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It is invisible, and at the same time essential for everything visible: Light.

However, light is not only a medium permitting seamen to find back home in the dark.

Light is Life, Orientation and Ambience.

**We provide custom engineered lighting solutions
so as to fully satisfy your requirements.**

A photograph of a modern subway station interior. The ceiling is a complex, multi-layered structure with various lighting fixtures, including long, cylindrical ones and recessed panels. The walls and pillars are painted a vibrant blue. A yellow escalator is visible on the right side. In the background, a sign reads "Münchener Freiheit".

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Münchner Freiheit

Messen und ums die Münchner Freiheit

mdoc

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01 Batten Luminaires with Reflectors

Pracht pralux® engineering, more light with less energy, simple and rapid installation, high protection class, T5 & T8 technology for industrial illumination, for ceiling heights up to 25 m.



02 Tubular Luminaires

Pracht tubular luminaires, highest protection class IP69K, immersion depths IP68 up to 25 m, simple and rapid installation, architecturally pleasing T5 & T8 technology.



03 Basic Line

Pracht luminaire line, cost-effective batten luminaires and diffuser luminaires, high-quality T5 & T8 technology.



04 LED

Pracht LED illumination, highly efficient structural lighting down to -30 °C, for accented architectural lighting solutions, high protection class, also suited for emergency lighting.



05 Vandalism

Pracht luminaires protected against vandalism and graffiti. For business, industry and traffic systems, impact-resistant with secure locks.



06 Special Luminaires

Pracht T5 & T8 technology luminaires, for special areas of application like different temperature ranges (-50 °C/+70 °C, for example) and explosion protected systems.



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07 Industrial Luminaires

Pracht industrial luminaires excel through their simple handling, easy mounting capability and high reliability. Available also equipped with induction illuminants, protection class I and II.



08 Surface and Recessed Luminaires

Pracht recessed installation luminaires, ideal for ceiling or lighting tube systems, flat and concave light radiating surfaces, T5 & T8 technology, high protection class, simple maintenance.



09 Emergency Lighting

Pracht emergency and escape route illumination. For systems with single as well as central battery supplies, LED models suited for emergency lighting systems.



10 Lighting Trunking Systems

Pracht quick mounting system, sleek and uniform appearance, more light from fewer luminaires, highly efficient **pralux**® engineering, T5 & T8 technology.



11 Replacement Parts and Information

Pracht replacement parts programme, comprehensive and up-to-date, technical information as well as sales and delivery terms.



Save and protect
the climate!


 **MODUL**

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The **pralux**[®] concept stands for utmost quality, longevity and efficient, energy-saving lighting solutions.


The high-performance reflector


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MODUL

pracht group® headquarters in Buchenau, Germany

ELECTRO
Product Responsibility

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Experience

The success story of our enterprise begins in the year 1953 through the production of an ISO OVAL luminaire. To meet increasing demand and in view of the resulting specialisation, the company Alfred Pracht KG was founded in 1963 by Margarethe and Alfred Pracht.

As a high-quality manufacturer for higher protection class luminaires, the company was able to expand its core competence and grow confidently. Through the direct dialogue with our customers and short decision-making channels we now are in a position where we can flexibly adapt our production to market requirements. In order to maintain this advantage and meet the requirements of increasing standards, Dr. Friedhelm Pracht founded the **pracht group®** in 1999.

Our quality driven company policy is based on the aspiration as an independent family company of being able to develop for us and our customers ever new and higher standards.

True recycling management and product responsibility already begins during the product development phase and integrates the aspect of waste disposal logistics within the product life cycle. This important aspect is of great relevance also within the entire **pracht group®**.

Besides the rethinking process by consumers who in future view themselves rather as “users”, a rethinking process by the manufacturers is also necessary since they are not only “product manufacturers” but also the actual “waste producers”. Used products (= waste) are raw materials if treated as such after their usage period.

Already at the decision-making stages relating to product development, production and consumption we are taking much more into account waste as the raw material of tomorrow, so as to ensure a secure future for coming generations.

Within the **pracht group®** the consistent inclusion of product responsibility within the process of product development comes first. By integrating the new EU directives WEEE as well as the fulfilment of the product responsibility in accordance with the foreseeable amendment of the Waste Management and Recycling Act (KrW-/AbfG) §22, as well as coming into effect of the EC Waste Framework Directive dated December 20, 2008, Pracht luminaire systems are developed in full environment awareness. An important aspect here is the design-wise optimisation of energy efficiency for Pracht luminaires.



Pracht Media
Professional Online Services



Development

Since 1960 we are manufacturing higher protection class Pracht luminaires with the Pracht Clip System

Development of the pralux® technology



2010



2005



2000



1990



1980



1970



1960



1950

Quality

Alfred Pracht Lichttechnik GmbH is one of the leading German companies in the area of waterproof lighting engineering and has already been certified by the VDE certification Institute in accordance with DIN EN ISO 9001 in the year 1995.

To our company group and our customers this means a further step in the direction of reliability and service. A consistently high and excellent product quality as well as all business processes are being continually improved by practising the ISO 9001 standard.

Moreover, the certification allows our products to carry the European ENEC luminaire certification mark.

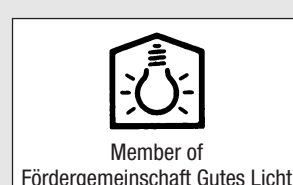
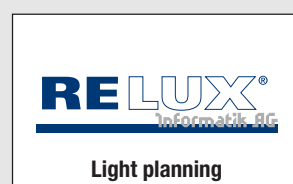
You can find our luminaire data which guarantee lighting technology of high system efficiency also in the current planning program of the company RELUX Informatik AG.

NOTE: When applying the RELUX light calculation program always insert the article number in the first column, inductive T8 respectively EVG (electronic ballast) for T5 from our current catalogue!

EAR registration number:
DE25886803

For waste disposal of spent, respectively defective luminaires we have joined the return system for luminaires of the company ISD INTERSEROH GmbH. Contract No. 80359.

Under www.interseroh-isd.de you can find all recycling locations where you can hand over the luminaires free of charge.



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System Avus



Round 48 mm connection compartment, plug-in terminals for mains connection, screw-on cover with silicone seal, extremely short seals.

System Avus with PSR pralux®



System Avus with parabolic mirror reflector **pralux® 090**.

System Monza



Mains connection compartment 40 x 115 mm for continuous lighting systems. Luminaire terminals with wire protection. Short silicone seals.

System Rimberg



Impact-resistant, essentially acid and alkali resistant socket housing. Captive push-fit lampholder. Stainless steel mounting screw. Silicone sealing system.

System Apollo with XXL cover



Maintenance-friendly connection compartment through XXL cover L = 360 mm.

System Monza with LBW cover



Maintenance-friendly Pralux LBW line with Osram high-quality electronic ballast. Easy access to the electrical components.

Technical benefits

Utmost energy efficiency owing to modern **pralux**® engineering!



System Apollo T5/16 mm twin-lamp



Captive push-fit lampholder, extremely rapid maintenance through push-fit lampholder clip.

System Apollo T5/16 mm



Single- and twin-lamp models, suited for the food industry, with IFS certificate.

System Apollo T5/16 mm mit HLR/PSR



Apollo DD T5/16 twin-lamp with specular reflector **pralux**® 099 and interior white louver.

System Apollo H0L



Wide adjustment range with lock, stainless steel closure clip and retaining strap for the low-profile push-fit lampholder.

Tubular luminaire Tinos IP69K



Elegant, architecturally pleasing tubular luminaire Ø 60 mm, for FL T5/16 mm and FL T8/26 mm.

Tubular luminaire Tubis IP69K



Tubular luminaire Tubis, suited for RGB control, triple-lamp T5/16 mm, 35W.



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Batten luminaires with reflectors

Your advantages

- Quick and easy mounting
- Variable mounting points using the Pracht Clip System made of stainless steel
- Easy cleaning
- Protected against impacts, draughts and cold
- Easy retrofitting with extensive Pracht accessories
- Suitable even for the most difficult environmental temperatures
- Maintenance friendly

Areas of application

- Food industry
- Industrial plants
- Display cabinets
- Public transportation services
- Warehouses and production halls
- Greenhouses
- Automotive industry
- Station platforms
- Parking garages

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Batten luminaire system Avus T8

for FL T8/26 mm

single- and twin-lamp

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Batten luminaire, can be supplemented with accessories.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 3 x 2.5 mm².

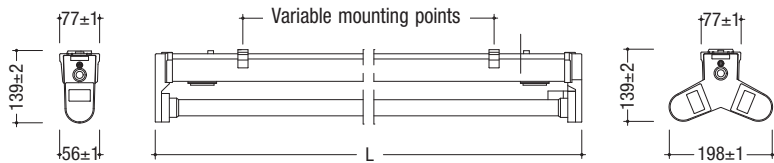
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.

Listed with the Deutsche Bahn AG

Note: The Avus batten luminaire is also available as a sterilisation lamp with 15, 30 or 55 Watts!
Application, e. g. water sterilisation.



Protection Class II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
Shock (RC) 0.63*
230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with round connection cover, without through-wiring						
PPR SR 100/1	1 x 18	100 100	100 101	100 103	630±2	1.9
PPR SR 100/3	1 x 36	100 230	100 231	100 233	1240±2	2.3
PPR SR 100/5	1 x 58	100 360	100 361	100 363	1540±2	3.0
PPR SR 100/2	2 x 18	100 130	100 131	100 133	630±2	2.5
PPR SR 100/4	2 x 36	100 260	100 261	100 263	1240±2	3.9
PPR SR 100/6	2 x 58	100 400	100 401	100 403	1540±2	4.9
Luminaire for individual and continuous mounting with two round connection covers, with through-wiring 2 x 1.5 mm²						
PPR SR 112/1	1 x 18	105 100	105 101	105 103	630±2	2.1
PPR SR 112/3	1 x 36	105 230	105 231	105 233	1240±2	2.7
PPR SR 112/5	1 x 58	105 360	105 361	105 363	1540±2	3.3
PPR SR 112/2	2 x 18	105 130	105 131	105 133	630±2	2.8
PPR SR 112/4	2 x 36	105 260	105 261	105 263	1240±2	4.3
PPR SR 112/6	2 x 58	105 400	105 401	105 403	1540±2	5.3
Extra cost:						
EVG Dim 1-10V (add to electronic ballast version)		685 004				
EVG Dim Dali (add to electronic ballast version)		685 005				
EVG Industrie (add to electronic ballast version)	36/58	685 006				
Cable entry at the side		691 150				
Cable entry at the ceiling side		691 151				
**Shock version		100 999				
Note:						
Conductor diameter 1.5 mm ² = 10 A						
Conductor diameter 2.5 mm ² = 16 A						
Accessories: See page 17						

*For versions with electronic ballast: Identification ∇
Luminaires must be operated with covers in place!

Areas of application: Car parks, damp and humid rooms, auxiliary rooms, industrial plants, display cabinets.



Twin-lamp version with vertical plug-in sockets.



Standard mounting clip – cable entry from ceiling side or from the side (extra cost).

Luminaire Rhodos T8

for FL T8/26 mm

single- and twin-lamp,

extremely flat design

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket: Side sockets made of PBT, two-slot plug-in socket with silver-plated contacts.

Lamp cover: Batten luminaire, can be supplemented with accessories.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

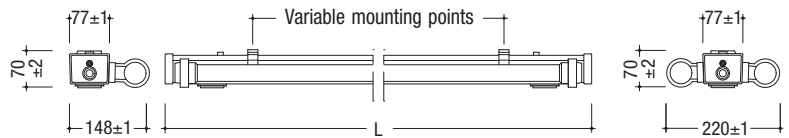
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



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Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire for individual and continuous mounting, single-lamp, extremely flat design, through-wiring 2 x 1.5mm²						
PPR SR 112/1 S	1 x 18	465 100	465 101	465 103	662±2	2.7
PPR SR 112/3 S	1 x 36	465 230	465 231	465 233	1272±2	3.0
PPR SR 112/5 S	1 x 58	465 360	465 361	465 363	1572±2	3.6
Luminaire for individual and continuous mounting, twin-lamp, extremely flat design, through-wiring 2 x 1.5 mm²						
PPR SR 112/2 S	2 x 18	465 130	465 131	465 133	662±2	2.7
PPR SR 112/4 S	2 x 36	465 260	465 261	465 263	1272±2	3.0
PPR SR 112/6 S	2 x 58	465 400	465 401	465 403	1572±2	3.6
Extra cost:						
EVG Dim 1-10V (add to electronic ballast version)		685 004				
EVG Dim Dali (add to electronic ballast version)		685 005				
EVG Industrie (add to electronic ballast version)	36/58	685 006				
Cable entry at the ceiling side		691 151				
Through-wiring 4 x 1.5 mm ² built-in	18	690 114				
	36	690 314				
	58	690 514				
Note: Specular reflectors (HLR) can not be used on the Rhodos luminaire!						
Accessories: See page 17						

*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Areas of application: Lighting for structures with low ceilings, car parks, store rooms, transparent lighting, display cabinets.



Simple mains connection.



Asymmetric FL layout, extremely flat.



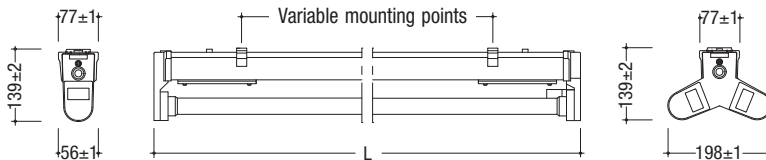
System Monza T8 for continuous mounting

for FL T8/26 mm
single- and twin-lamp

Housing: Tubular housing, fully sealed, made of white fibreglass-reinforced polyester, cover for continuous mounting, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece socket ends made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Batten luminaire, can be supplemented with accessories.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63**
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire for continuous mounting, 2 power supply connection compartments 40 x 115 mm, two captive covers, with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB	1 x 18	110 100	110 101	110 103	630±2	2.1
PPR SR 114/3 LB	1 x 36	110 230	110 231	110 233	1240±2	2.7
PPR SR 114/5 LB	1 x 58	110 360	110 361	110 363	1540±2	3.4
PPR SR 114/2 LB	2 x 18	110 130	110 131	110 133	630±2	2.8
PPR SR 114/4 LB	2 x 36	110 260	110 261	110 263	1240±2	4.3
PPR SR 114/6 LB	2 x 58	110 400	110 401	110 403	1540±2	5.2
Luminaire for continuous mounting, 2 power supply connection compartments 40 x 115 mm, two captive covers, with through-wiring 4 x 2.5 mm²						
PPR SR 124/1 LB	1 x 18	111 100	111 101	111 103	630±2	2.1
PPR SR 124/3 LB	1 x 36	111 230	111 231	111 233	1240±2	2.7
PPR SR 124/5 LB	1 x 58	111 360	111 361	111 363	1540±2	3.4
PPR SR 124/2 LB	2 x 18	111 130	111 131	111 133	630±2	2.8
PPR SR 124/4 LB	2 x 36	111 260	111 261	111 263	1240±2	4.3
PPR SR 124/6 LB	2 x 58	111 400	111 401	111 403	1540±2	5.2
Extra cost:						
EVG Dim 1-10V (add to electronic ballast version)		685 004				
EVG Dim Dali (add to electronic ballast version)		685 005				
EVG Industrie (add to electronic ballast version)	36/58	685 006				
Cable entry at the side		691 150				
Cable entry at the ceiling side		691 151				
**Shock version		100 999				
Note:						
Conductor diameter 1.5 mm ² = 10 A						
Conductor diameter 2.5 mm ² = 16 A						
Extra cost for maintenance-friendly luminaire for continuous mounting (LBW) with through-wiring up to 7 x 2.5 mm² and direct access to low-loss resp. electronic ballast						
		690 013	690 013	690 013		
Accessories: See page 17						

*For versions with electronic ballast: Identification ▽
 Luminaires must be operated with covers in place!

Areas of application: Car parks, industrial plants, display cabinets, public transport, continuous mounting.



Flush luminaire ends with HLR 090. Accessories: See page 17.



Large power supply connection compartment LBW for direct access to the electric components. Silicone rubber seals.

Accessories for the Avus, Monza, Monza-LBW and Rhodos T8

for FL T8/26 mm; with **pralux**® resp. **standard** reflectors,

single- and twin-lamp versions with threaded ring lampholders,
see also the Azoren system on page 192 ff.

Ordering information: When ordering a twin-lamp version, you will need two covers per luminaire!

Utmost energy efficiency owing to
modern **pralux**® engineering!



Designation	For lamps Ø	Type	Reflector type	18 Watt	36 Watt	58 Watt
				Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflector, all-round distribution, for use with threaded ring lampholders, with centering and retaining springs made of stainless steel						
prachtopal ®, impact-resistant	Ø 26	PSR-PLEX-PO 090	pralux ®	3614 501	3614 503	3614 505
prachtopal ®, impact-resistant	Ø 26	PSR-PLEX-PO 081	Standard	614 501	614 503	614 505
Acrylic glass, clear	Ø 26	PSR-PLEX 090	pralux ®	3611 251	3611 253	3611 255
Acrylic glass, clear	Ø 26	PSR-PLEX 081	Standard	611 251	611 253	611 255
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG 090	pralux ®	3611 201	3611 203	3611 205
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG 081	Standard	611 201	611 203	611 205
Polycarbonate, clear	Ø 26	PSR-MAK 090	pralux ®	3611 451	3611 453	3611 455
Polycarbonate, clear	Ø 26	PSR-MAK 081	Standard	611 451	611 453	611 455
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG 090	pralux ®	3611 401	3611 403	3611 405
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG 081	Standard	611 401	611 403	611 405
with cross blade louvers (CBL), white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR	pralux ®	3621 251	3621 253	3621 255
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR	Standard	621 251	621 253	621 255
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR	pralux ®	3621 201	3621 203	3621 205
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR	Standard	621 201	621 203	621 205
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR	pralux ®	3621 451	3621 453	3621 455
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR	Standard	621 451	621 453	621 455
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR	pralux ®	3621 401	3621 403	3621 405
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR	Standard	621 401	621 403	621 405
with internal mirrored dark-light louvers (DLL), with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR	pralux ®	3621 851	3621 853	3621 855
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR	Standard	621 851	621 853	621 855
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR	pralux ®	3621 801	3621 803	3621 805
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR	Standard	621 801	621 803	621 805
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR	pralux ®	3621 951	3621 953	3621 955
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR	Standard	621 951	621 953	621 955
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR	pralux ®	3621 901	3621 903	3621 905
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR	Standard	621 901	621 903	621 905
Specular reflector 090, wide-beam, with centering and retaining springs made of stainless steel						
prachtopal ®, impact-resistant	Ø 26	HLR-Breit-PO 090	pralux ®	611 501	611 503	611 505
Acrylic glass, clear	Ø 26	HLR-Breit-PLEX 090	pralux ®	611 231	611 233	611 235
Polycarbonate, clear	Ø 26	HLR-Breit-MAK 090	pralux ®	611 431	611 433	611 435
Specular reflector 090, with internal cross blade louvers, white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear CBL	Ø 26	HLR-Breit-PLEX-QLR	pralux ®	611 261	611 263	611 265
Polycarbonate, clear CBL	Ø 26	HLR-Breit-MAK-QLR	pralux ®	611 441	611 443	611 445
Specular reflector, with mirrored dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear DLL	Ø 26	HLR-Breit-PLEX-DLR	pralux ®	611 331	611 333	611 335
Polycarbonate, clear DLL	Ø 26	HLR-Breit-MAK-DLR	pralux ®	611 531	611 533	611 535
Specular reflector 090, narrow-beam, with centering and retaining springs made of stainless steel						
prachtopal ®, impact-resistant	Ø 26	HLR-Tief-PO 090	pralux ®	610 521	610 523	610 525
Acrylic glass, clear	Ø 26	HLR-Tief-PLEX 090	pralux ®	610 101	610 103	610 105
Polycarbonate, clear	Ø 26	HLR-Tief-MAK 090	pralux ®	610 401	630 403	610 405

Designation	For lamps Ø	Type	18 Watt	36 Watt	58 Watt
			Art.-No.	Art.-No.	Art.-No.
Luminaire protective tube for 26 mm F-luminaires					
Polycarbonate, clear, OD = 38 mm	Ø 26	LS-MAK-SR-T8	613 321	613 323	613 325
Polycarbonate, clear, int. ribbing, OD= 38 mm	Ø 26	LS-MAK-IG-SR-T8	613 331	613 333	613 335
Acrylic glass, clear, OD = 50 mm	Ø 26	LS-PLEX-SR-T8	623 111	623 113	623 115
Acrylic glass, clear, int. ribbing, OD = 50 mm	Ø 26	LS-PLEX-IG-SR-T8	623 101	623 103	623 105
Polycarbonate, clear, OD = 50 mm	Ø 26	LS-MAK-SR-T8	613 311	613 313	613 315
Polycarbonate, clear, int. ribbing, OD= 50 mm	Ø 26	LS-MAK-IG-SR-T8	623 311	623 313	623 315
Silicate glass, clear, OD = 38 mm	Ø 26	LS-SG-SR-T8	623 611	623 613	623 615
Silicate glass, clear, OD = 50 mm	Ø 26	LS-SG-SR-T8	623 651	623 653	623 655
prachtopal ®, impact-resistant, OD = 50 mm	Ø 26	LS-PO-SR-T8	624 111	624 113	624 115
Note: Luminaire protective tubes Ø 38 mm and Ø 50 mm can be equipped with internal specular reflectors.					
Specular reflector	Ø 38	HIR-SR-T8/38	691 002	691 004	691 006
Specular reflector	Ø 50	HIR-SR-T8/50	691 001	691 003	691 005
Threaded ring, white, with silicone rubber seals					
Batten luminaire	Ø 26	SR 38/26	690 052		
Covers FL Ø26 luminaire protective tube Ø38	Ø 26	SR 38/2-zweiteilig (two-part)	690 050		
Luminaire protective tube Ø50	Ø 26	SR 38/50	690 053		
Safety starter			690 063	690 062	690 062



The result: **pralux[®] = Realisation of resources efficiency and sustainability!**

The intermeshing of science and economy has not only been discussed within the **pracht group[®]** for many years but is being actively put into practice through co-operations with renowned universities.

Here the exchange and research focuses on electrical and lighting engineering as well as material sciences, plastics engineering and recycling. The efforts are targeted at optimising the Pracht luminaires with respect to energy efficiency, environmentally compatible material selection and production as well as longevity and recycling capability.

Dr. Friedhelm Pracht

MODUL
ELECTRO

www.modulelectro.ru

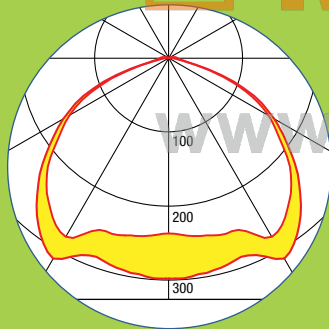
pralux® = More light with less energy*

pralux® high-performance reflectors increase Pracht quality and improve benefit by two digit percent figures. For deployment at sites requiring high luminous intensities and high ceiling light spots.

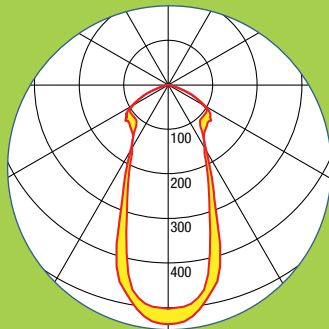
The **pralux®** concept stands for utmost quality, longevity and efficient, energy conserving lighting solutions:

- Very high efficiency
- Lower power rating = energy saving
- Shorter fitting time requirements
- High reduction in energy consumption and the number of luminaires as well as reduced CO₂ emissions and
- Lower waste disposal costs
- Life cycle analysis upon request!

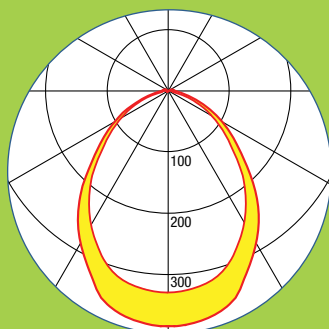
pralux® = Fewer luminaires through higher efficiency



Wide beam
specular reflector



Narrow beam
specular reflector



Medium beam
specular reflector

*Support of the BMBF (Federal Ministry of Education and Research) initiative

pralux® total cost comparison

Room (LxWxH): 50 x 50 x 8.50 m
 Light spot height: 8.00 m
 Em: 300 lx

	Diffuser luminaire 2 x 58W VVG 8 light strips 24 luminaires/light strips	System luminaire Apollo 2 x 80W Narrow beam specular reflector pralux® 8 light strips 10 luminaires/light strips
Mid. luminous intensity Em	304 lx	306 lx
Min. luminous intensity Emin	171 lx	154 lx
Max. luminous intensity Emax	351 lx	406 lx
Total luminous intensity of all lamps	1996800 lm	984000 lm
Total power	22272 W	14080 W
Total power per area (2500m ²)	8.91W/m ²	5.63W/m ²
Uniformity g1	1:1.78 (0.56)	1:1.98 (0.50)
Uniformity g2	1:2.05 (0.49)	1:2.63 (0.38)
Investment costs	23,136.00 €	40,760.00 €
Maintenance costs/considered period	14,793.90 €	4,033.30 €
Energy costs/considered period	137,625.00 €	78,848.00 €
Considered period	10 years	10 years
Luminaire list price	71.00 €	458.00 €
Electricity price/kWh	0.14 €	0.14 €
Total cost	175,554.90 €	123,641.30 €

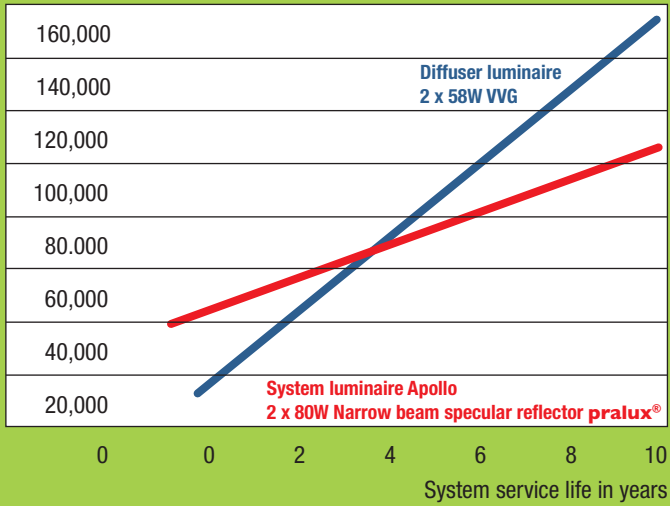
Period of amortisation

3.36 years

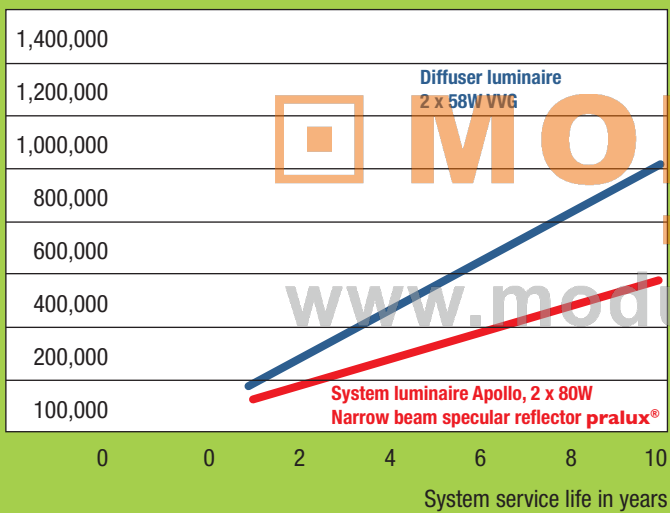
Total cost savings

29.57 %

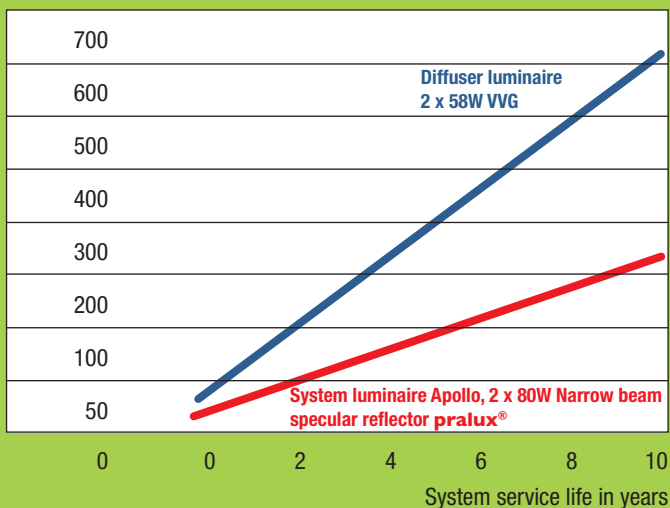
Total costs in Euro




Energy consumption in kWh




CO₂ emissions in tonnes



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Luminaire Imola T8

for FL T8/26 mm

single-lamp

Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

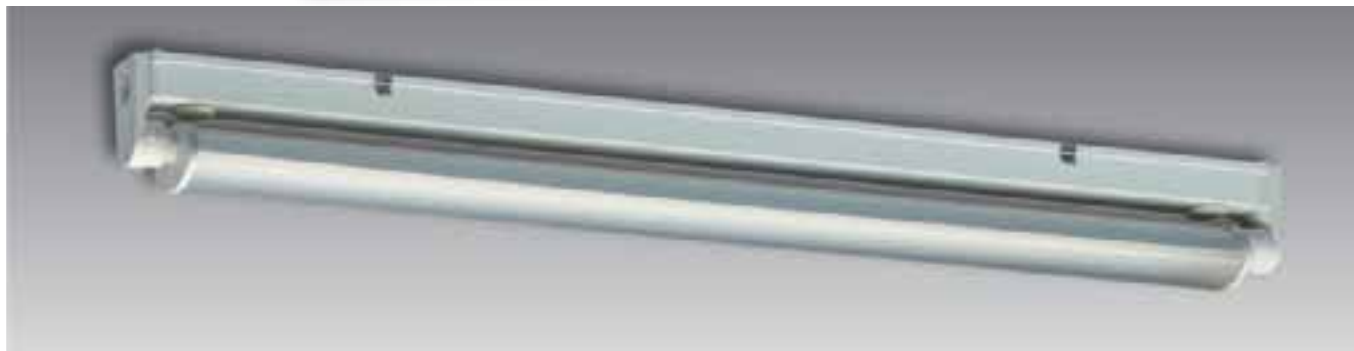
Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector 090, all-round distribution, made of prachtopal® (impact-resistant), fully adjustable.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter, electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

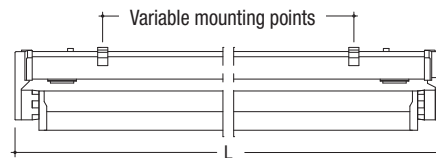
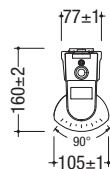
Ingress protection IP65

Dust-proof

Jet-proof

Shock (RC) 0.63**

230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® parabolic mirror reflector, prachtopal®, without through-wiring						
PPR SR 100/1 PSR-PLEX-PO 090	1 x 18	490 110	490 111	490 113	630±2	2.4
PPR SR 100/3 PSR-PLEX-PO 090	1 x 36	490 240	490 241	490 243	1240±2	3.1
PPR SR 100/5 PSR-PLEX-PO 090	1 x 58	490 370	490 371	490 373	1540±2	4.1
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector made of acrylic glass, prachtopal®, with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 PSR-PLEX-PO 090	1 x 18	491 110	491 111	491 113	630±2	2.4
PPR SR 112/3 PSR-PLEX-PO 090	1 x 36	491 240	491 241	491 243	1240±2	3.1
PPR SR 112/5 PSR-PLEX-PO 090	1 x 58	491 370	491 371	491 373	1540±2	4.1
Luminaire for continuous mounting with pralux® parabolic mirror reflector made of acrylic glass, prachtopal®, with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 PSR-PLEX-PO 090	1 x 18	492 110	492 111	492 113	630±2	2.4
PPR SR 114/3 PSR-PLEX-PO 090	1 x 36	492 240	492 241	492 243	1240±2	3.1
PPR SR 114/5 PSR-PLEX-PO 090	1 x 58	492 370	492 371	492 373	1540±2	4.1
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
Cable entry at the side		691 150				
Cable entry at the ceiling side		691 151				
**Shock version		100 999				
*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!						
Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories!						

Areas of application: Car washes, chemical industry, heavy industry, auto repair workshops, maintenance halls, gardening centers, food industry e.g. dairies, high chemical exposure level, lighting height of 3–7 meters.



Large compartment for continuous lighting layout.



Standard mounting clip – cable entry ceiling side or from the side.

Luminaire Imola T8

for FL T8/26 mm

twın-lamp

Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector, all-round distribution, made of prachtopal® (impact-resistant), fully adjustable.

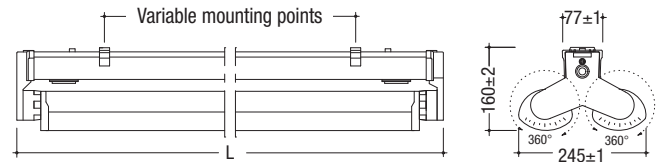
Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63**
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® parabolic mirror reflectors made of acrylic glass, prachtopal®, without through-wiring						
PPR SR 100/2 PSR-PLEX-PO 090	2 x 18	490 140	490 141	490 143	630±2	3.1
PPR SR 100/4 PSR-PLEX-PO 090	2 x 36	490 270	490 271	490 273	1240±2	5.3
PPR SR 100/6 PSR-PLEX-PO 090	2 x 58	490 410	490 411	490 413	1540±2	6.9
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector made of acrylic glass, prachtopal®, with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 PSR-PLEX-PO 090	2 x 18	491 140	491 141	491 143	630±2	3.1
PPR SR 112/4 PSR-PLEX-PO 090	2 x 36	491 270	491 271	491 273	1240±2	5.3
PPR SR 112/6 PSR-PLEX-PO 090	2 x 58	491 410	491 411	491 413	1540±2	6.9
Luminaire for continuous mounting with pralux® parabolic mirror reflectors made of acrylic glass, prachtopal®, with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB-PSR-PLEX-PO 090	2 x 18	492 140	492 141	492 143	630±2	3.1
PPR SR 114/4 LB-PSR-PLEX-PO 090	2 x 36	492 270	492 271	492 273	1240±2	5.3
PPR SR 114/6 LB-PSR-PLEX-PO 090	2 x 58	492 410	492 411	492 413	1540±2	6.9

Extra cost:	
El. bal. Dim 1–10V (add to electronic ballast version)	685 004
El. bal. Dim Dali (add to electronic ballast version)	685 005
El. bal. Industry (add to electronic ballast version)	36/58 685 006
Cable entry at the side	691 150
Cable entry at the ceiling side	691 151
**Shock version	100 999

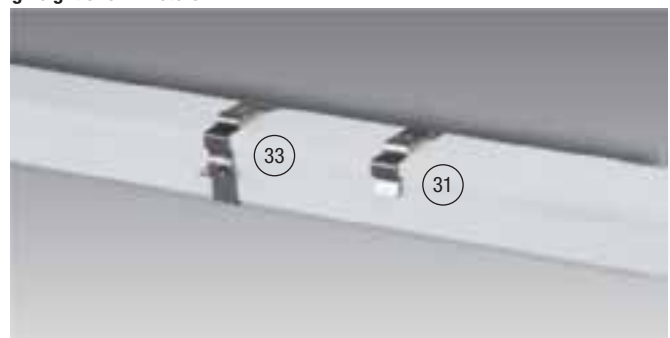
*For versions with electronic ballast: Identification Luminaire must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories!

Areas of application: Car washes, chemical industry, heavy industry, auto repair workshops, maintenance halls, gardening centers, food industry e.g. dairies, high chemical exposure level, lighting height of 3–7 meters.



Parabolic mirror reflector, with holes.



Bracket mounting clip
Standard mounting clip

Art.-No. 690 033
Art.-No. 690 031



Listed with the Deutsche Bahn AG

Luminaire Monaco T8

for FL T8/26 mm

single-lamp

Utmost energy efficiency owing to modern pralux® engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

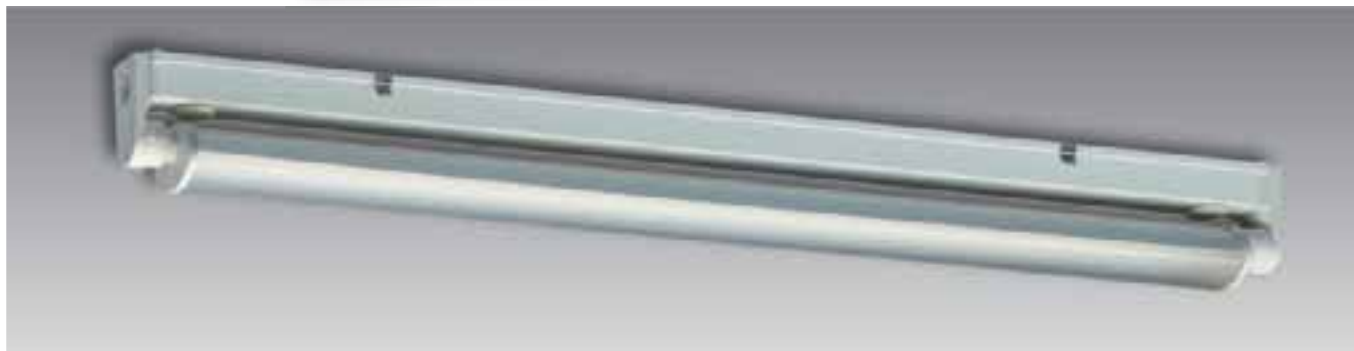
Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector, all-round distribution, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, adjustable, internal ribbing.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

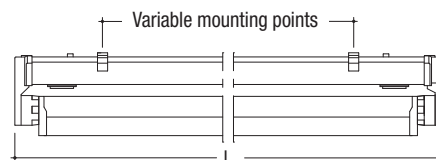
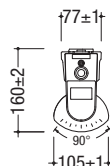
Ingress protection IP65

Dust-proof

Jet-proof

Shock (RC) 0.63**

230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Individual luminaire with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), without through-wiring						
PPR SR 100/1 PSR-PLEX-IG 090	1 x 18	140 100	140 101	140 103	630±2	2.4
PPR SR 100/3 PSR-PLEX-IG 090	1 x 36	140 230	140 231	140 233	1240±2	3.1
PPR SR 100/5 PSR-PLEX-IG 090	1 x 58	140 360	140 361	140 363	1540±2	4.1
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 PSR-PLEX-IG 090	1 x 18	141 100	141 101	141 103	630±2	2.4
PPR SR 112/3 PSR-PLEX-IG 090	1 x 36	141 230	141 231	141 233	1240±2	3.1
PPR SR 112/5 PSR-PLEX-IG 090	1 x 58	141 360	141 361	141 363	1540±2	4.1
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB PSR-PLEX-IG 090	1 x 18	142 100	142 101	142 103	630±2	2.4
PPR SR 114/3 LB PSR-PLEX-IG 090	1 x 36	142 230	142 231	142 233	1240±2	3.1
PPR SR 114/5 LB PSR-PLEX-IG 090	1 x 58	142 360	142 361	142 363	1540±2	4.1
Individual luminaire with pralux® with parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), without through-wiring						
PPR SR 100/1 PSR-MAK-IG 090	1 x 18	140 110	140 111	140 113	630±2	2.4
PPR SR 100/3 PSR-MAK-IG 090	1 x 36	140 240	140 241	140 243	1240±2	3.1
PPR SR 100/5 PSR-MAK-IG 090	1 x 58	140 370	140 371	140 373	1540±2	4.1
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 PSR-MAK-IG 090	1 x 18	141 110	141 111	141 113	630±2	2.4
PPR SR 112/3 PSR-MAK-IG 090	1 x 36	141 240	141 241	141 243	1240±2	3.1
PPR SR 112/5 PSR-MAK-IG 090	1 x 58	141 370	141 371	141 373	1540±2	4.1
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB PSR-MAK-IG 090	1 x 18	142 110	142 111	142 113	630±2	2.4
PPR SR 114/3 LB PSR-MAK-IG 090	1 x 36	142 240	142 241	142 243	1240±2	3.1
PPR SR 114/5 LB PSR-MAK-IG 090	1 x 58	142 370	142 371	142 373	1540±2	4.1
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminaire must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories!

Areas of application: Food industry, beverage industry, heavy industry, steel industry, auto repair workshops, maintenance halls, gardening centers and greenhouses, lighting height of 3–7 meters.



Design with internal, white cross blade louvers.



Design with mirrored internal ring dark-light louvers.

Luminaire Monaco T8

for FL T8/26 mm

twiN-lamp

Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector 090, all-round distribution, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, adjustable, internal ribbing

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

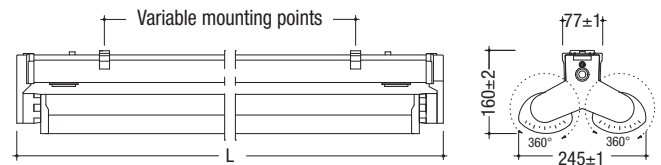
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Listed with the Deutsche Bahn AG



Protection Class II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
Shock (RC) 0.63**
230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), without through-wiring						
PPR SR 100/2 PSR-PLEX-IG 090	2 x 18	140 130	140 131	140 133	630±2	3.1
PPR SR 100/4 PSR-PLEX-IG 090	2 x 36	140 260	140 261	140 263	1240±2	5.3
PPR SR 100/6 PSR-PLEX-IG 090	2 x 58	140 400	140 401	140 403	1540±2	6.9
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 PSR-PLEX-IG 090	2 x 18	141 130	141 131	141 133	630±2	3.1
PPR SR 112/4 PSR-PLEX-IG 090	2 x 36	141 260	141 261	141 263	1240±2	5.3
PPR SR 112/6 PSR-PLEX-IG 090	2 x 58	141 400	141 401	141 403	1540±2	6.9
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB PSR-PLEX-IG 090	2 x 18	142 130	142 131	142 133	630±2	3.1
PPR SR 114/4 LB PSR-PLEX-IG 090	2 x 36	142 260	142 261	142 263	1240±2	5.3
PPR SR 114/6 LB PSR-PLEX-IG 090	2 x 58	142 400	142 401	142 403	1540±2	6.9
Individual luminaire with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), without through-wiring						
PPR SR 100/2 PSR-MAK-IG 090	2 x 18	140 140	140 141	140 143	630±2	3.1
PPR SR 100/4 PSR-MAK-IG 090	2 x 36	140 270	140 271	140 273	1240±2	5.3
PPR SR 100/6 PSR-MAK-IG 090	2 x 58	140 410	140 411	140 413	1540±2	6.9
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 PSR-MAK-IG 090	2 x 18	141 140	141 141	141 143	630±2	3.1
PPR SR 112/4 PSR-MAK-IG 090	2 x 36	141 270	141 271	141 273	1240±2	5.3
PPR SR 112/6 PSR-MAK-IG 090	2 x 58	141 410	141 411	141 413	1540±2	6.9
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB PSR-MAK-IG 090	2 x 18	142 140	142 141	142 143	630±2	3.1
PPR SR 114/4 LB PSR-MAK-IG 090	2 x 36	142 270	142 271	142 273	1240±2	5.3
PPR SR 114/6 LB PSR-MAK-IG 090	2 x 58	142 410	142 411	142 413	1540±2	6.9
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminares must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories!

Areas of application: Food industry, beverage industry, heavy industry, steel industry, auto repair workshops, maintenance halls, gardening centers and greenhouses, lighting height of 3–7 meters.



Design with internal white cross blade louvers.



Design with mirrored internal ring dark-light louvers.



Luminaire Rialto T8

for FL T8/26 mm

single-lamp

Utmost energy efficiency owing to modern **pralux**® engineering!

Listed with the Deutsche Bahn AG

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Specular reflector 081, **narrow-beam**, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, adjustable.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

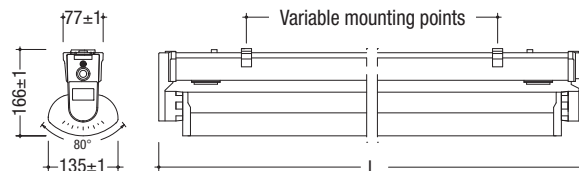
Ingress protection IP65

Dust-proof

Jet-proof

Shock (RC) 0.63**

230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® specular reflector 090, narrow-beam, made of acrylic glass (PMMA), without through-wiring						
PPR SR 100/1 HLR TIEF-PLEX 090	1 x 18	155 100	155 101	155 103	630±2	2.7
PPR SR 100/3 HLR TIEF-PLEX 090	1 x 36	155 230	155 231	155 233	1240±2	3.4
PPR SR 100/5 HLR TIEF-PLEX 090	1 x 58	155 360	155 361	155 363	1540±2	4.6
Luminaire for individual and continuous mounting with pralux® specular reflector 090, narrow-beam, made of acrylic glass (PMMA), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 HLR TIEF-PLEX 090	1 x 18	156 100	156 101	156 103	630±2	2.7
PPR SR 112/3 HLR TIEF-PLEX 090	1 x 36	156 230	156 231	156 233	1240±2	3.4
PPR SR 112/5 HLR TIEF-PLEX 090	1 x 58	156 360	156 361	156 363	1540±2	4.6
Luminaire for continuous mounting with pralux® specular reflector 090, narrow-beam, made of acrylic glass (PMMA), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB HLR TIEF-PLEX 090	1 x 18	157 100	157 101	157 103	630±2	2.7
PPR SR 114/3 LB HLR TIEF-PLEX 090	1 x 36	157 230	157 231	157 233	1240±2	3.4
PPR SR 114/5 LB HLR TIEF-PLEX 090	1 x 58	157 360	157 361	157 363	1540±2	4.6
Individual luminaire with pralux® specular reflector 090, narrow-beam, made of impact-resistant polycarbonate (PC), without through-wiring						
PPR SR 100/1 HLR TIEF-MAK 090	1 x 18	155 110	155 111	155 113	630±2	2.7
PPR SR 100/3 HLR TIEF-MAK 090	1 x 36	155 240	155 241	155 243	1240±2	3.4
PPR SR 100/5 HLR TIEF-MAK 090	1 x 58	155 370	155 371	155 373	1540±2	4.6
Luminaire for individual and continuous mounting with pralux® specular reflector 090, narrow-beam, made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 HLR TIEF-MAK 090	1 x 18	156 110	156 111	156 113	630±2	2.7
PPR SR 112/3 HLR TIEF-MAK 090	1 x 36	156 240	156 241	156 243	1240±2	3.4
PPR SR 112/5 HLR TIEF-MAK 090	1 x 58	156 370	156 371	156 373	1540±2	4.6
Luminaire for continuous mounting with pralux® specular reflector 090, narrow-beam, made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB HLR TIEF-MAK 090	1 x 18	157 110	157 111	157 113	630±2	2.7
PPR SR 114/3 LB HLR TIEF-MAK 090	1 x 36	157 240	157 241	157 243	1240±2	3.4
PPR SR 114/5 LB HLR TIEF-MAK 090	1 x 58	157 370	157 371	157 373	1540±2	4.6
Extra cost:						
Ei. bal. Dim 1–10V (add to electronic ballast version)		685 004				
Ei. bal. Dim Dali (add to electronic ballast version)		685 005				
Ei. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminares must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories! **Note:** Luminaire also available as HLR TIEF PLEX-PO.

Areas of application: Rack storage systems, logistics centers, munitions depots, maintenance halls, lighting height of 7–15 meters.



Quality ballasts available in standard sizes. With built-in through-wiring up to max. 7 x 2.5 mm².



Engraved scale for adjusting range.

Luminaire Rialto T8

for FL T8/26 mm

twiN-lamp

Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Specular reflector 090, **narrow-beam**, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, adjustable.

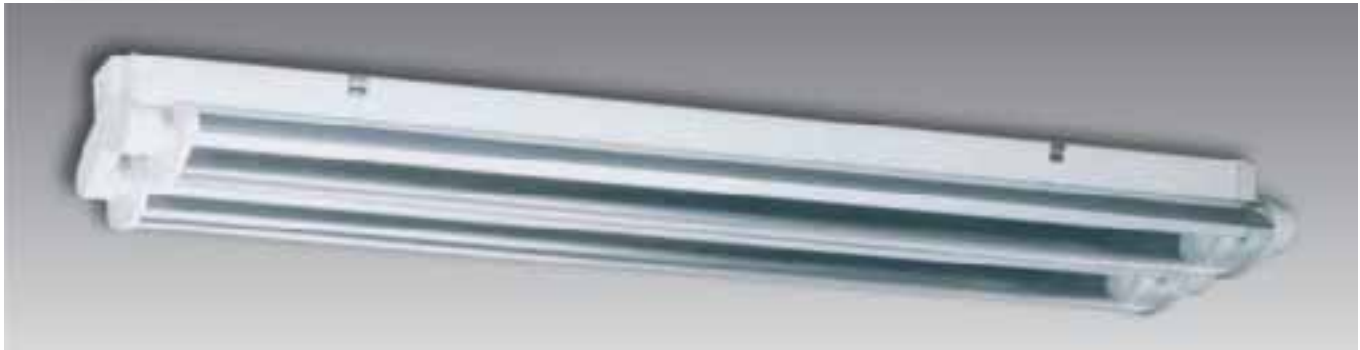
Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

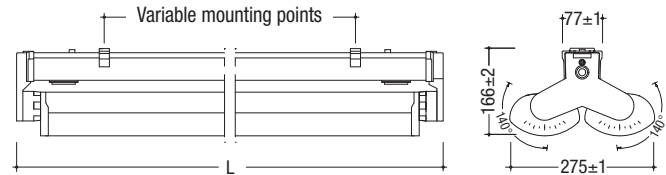
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Listed with the Deutsche Bahn AG



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63**
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® specular reflector 090, narrow-beam, made of acrylic glass (PMMA), without through-wiring						
PPR SR 100/2 HLR TIEF-PLEX 090	2 x 18	155 130	155 131	155 133	630±2	3.7
PPR SR 100/4 HLR TIEF-PLEX 090	2 x 36	155 260	155 261	155 263	1240±2	5.8
PPR SR 100/6 HLR TIEF-PLEX 090	2 x 58	155 400	155 401	155 403	1540±2	7.6
Luminaire for individual and continuous mounting with pralux® specular reflector 090, narrow-beam, made of acrylic glass (PMMA), with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 HLR TIEF-PLEX 090	2 x 18	156 130	156 131	156 133	630±2	3.7
PPR SR 112/4 HLR TIEF-PLEX 090	2 x 36	156 260	156 261	156 263	1240±2	5.8
PPR SR 112/6 HLR TIEF-PLEX 090	2 x 58	156 400	156 401	156 403	1540±2	7.6
Luminaire for continuous mounting with pralux® specular reflector 090, narrow-beam, made of acrylic glass (PMMA), with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB HLR TIEF-PLEX 090	2 x 18	157 130	157 131	157 133	630±2	3.7
PPR SR 114/4 LB HLR TIEF-PLEX 090	2 x 36	157 260	157 261	157 263	1240±2	5.8
PPR SR 114/6 LB HLR TIEF-PLEX 090	2 x 58	157 400	157 401	157 403	1540±2	7.6
Individual luminaire with pralux® specular reflector 090, narrow-beam, made of impact-resistant polycarbonate (PC), without through-wiring						
PPR SR 100/2 HLR TIEF-MAK 090	2 x 18	155 140	155 141	155 143	630±2	3.7
PPR SR 100/4 HLR TIEF-MAK 090	2 x 36	155 270	155 271	155 273	1240±2	5.8
PPR SR 100/6 HLR TIEF-MAK 090	2 x 58	155 410	155 411	155 413	1540±2	7.6
Luminaire for individual and continuous mounting with pralux® specular reflector 090, narrow-beam, made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 HLR TIEF-MAK 090	2 x 18	156 140	156 141	156 143	630±2	3.7
PPR SR 112/4 HLR TIEF-MAK 090	2 x 36	156 270	156 271	156 273	1240±2	5.8
PPR SR 112/6 HLR TIEF-MAK 090	2 x 58	156 410	156 411	156 413	1540±2	7.6
Luminaire for continuous mounting with pralux® specular reflector 090, narrow-beam, made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB HLR TIEF-MAK 090	2 x 18	157 140	157 141	157 143	630±2	3.7
PPR SR 114/4 LB HLR TIEF-MAK 090	2 x 36	157 270	157 271	157 273	1240±2	5.8
PPR SR 114/6 LB HLR TIEF-MAK 090	2 x 58	157 410	157 411	157 413	1540±2	7.6
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminares must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories! **Note:** Luminaire also available as HLR TIEF PLEX-PO.

Areas of application: Rack storage systems, logistics centers, munitions depots, maintenance halls, lighting height of 7–20 meters.



Flush luminaire ends with HLR 090.



Engraved scale for adjusting range.



Luminaire Venedig T8

for FL T8/26 mm

single-lamp

Utmost energy efficiency owing to modern **pralux**® engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Specular reflector 090, **wide-beam**, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, adjustable.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

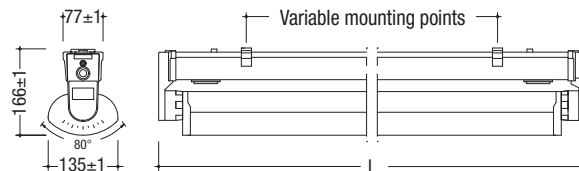
Ingress protection IP65

Dust-proof

Jet-proof

Shock (RC) 0.63**

230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® specular reflector 090, wide-beam, made of acrylic glass (PMMA), without through-wiring						
PPR SR 100/1 HLR BREIT-PLEX 090	1 x 18	150 100	150 101	150 103	630±2	2.7
PPR SR 100/3 HLR BREIT-PLEX 090	1 x 36	150 230	150 231	150 233	1240±2	3.4
PPR SR 100/5 HLR BREIT-PLEX 090	1 x 58	150 360	150 361	150 363	1540±2	4.6
Luminaire for individual and continuous mounting with pralux® specular reflector 090, wide-beam, made of acrylic glass (PMMA), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 HLR BREIT-PLEX 090	1 x 18	151 100	151 101	151 103	630±2	2.7
PPR SR 112/3 HLR BREIT-PLEX 090	1 x 36	151 230	151 231	151 233	1240±2	3.4
PPR SR 112/5 HLR BREIT-PLEX 090	1 x 58	151 360	151 361	151 363	1540±2	4.6
Luminaire for continuous mounting with pralux® specular reflector 090, wide-beam, made of acrylic glass (PMMA), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB HLR BREIT-PLEX 090	1 x 18	152 100	152 101	152 103	630±2	2.7
PPR SR 114/3 LB HLR BREIT-PLEX 090	1 x 36	152 230	152 231	152 233	1240±2	3.4
PPR SR 114/5 LB HLR BREIT-PLEX 090	1 x 58	152 360	152 361	152 363	1540±2	4.6
Individual luminaire with pralux® specular reflector 090, wide-beam, made of impact-resistant polycarbonate (PC), without through-wiring						
PPR SR 100/1 HLR BREIT-MAK 090	1 x 18	150 110	150 111	150 113	630±2	2.7
PPR SR 100/3 HLR BREIT-MAK 090	1 x 36	150 240	150 241	150 243	1240±2	3.4
PPR SR 100/5 HLR BREIT-MAK 090	1 x 58	150 370	150 371	150 373	1540±2	4.6
Luminaire for individual and continuous mounting with pralux® specular reflector 090, wide-beam, made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 HLR BREIT-MAK 090	1 x 18	151 110	151 111	151 113	630±2	2.7
PPR SR 112/3 HLR BREIT-MAK 090	1 x 36	151 240	151 241	151 243	1240±2	3.4
PPR SR 112/5 HLR BREIT-MAK 090	1 x 58	151 370	151 371	151 373	1540±2	4.6
Luminaire for continuous mounting with pralux® specular reflector 090, wide-beam, made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB HLR BREIT-MAK 090	1 x 18	152 110	152 111	152 113	630±2	2.7
PPR SR 114/3 LB HLR BREIT-MAK 090	1 x 36	152 240	152 241	152 243	1240±2	3.4
PPR SR 114/5 LB HLR BREIT-MAK 090	1 x 58	152 370	152 371	157 373	1540±2	4.6
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminares must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories! **Note:** Luminaire also available as HLR BREIT PLEX-PO.

Areas of application: Production facilities, beverage industry, maintenance halls, lighted ceilings, lighting height of 4.50 meters, extremely wide beam.



Round mains connection compartment, side-mounted starter.



Engraved scale for adjusting range.

Luminaire Venedig T8

for FL T8/26 mm

twiN-lamp

Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

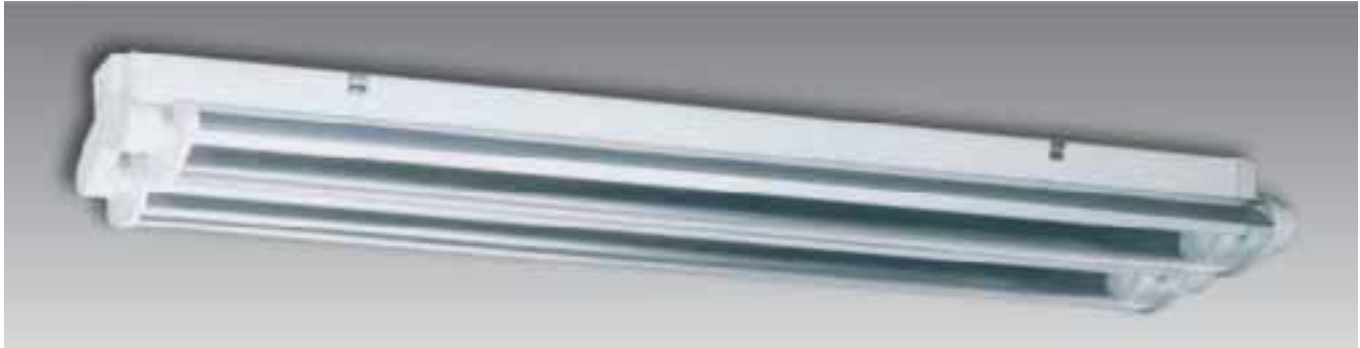
Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Specular reflector 090, **wide-beam**, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, adjustable.

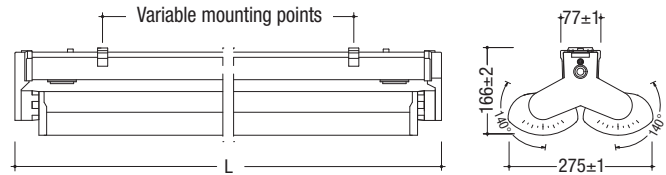
Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2,5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63**
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with pralux® specular reflectors 090, wide-beam, made of acrylic glass (PMMA), without through-wiring						
PPR SR 100/2 HLR BREIT-PLEX 090	2 x 18	150 130	150 131	150 133	630±2	3.7
PPR SR 100/4 HLR BREIT-PLEX 090	2 x 36	150 260	150 261	150 263	1240±2	5.8
PPR SR 100/6 HLR BREIT-PLEX 090	2 x 58	150 400	150 401	150 403	1540±2	7.6
Luminaire for individual and continuous mounting with pralux® specular reflectors 090, wide-beam, made of acrylic glass (PMMA), with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 HLR BREIT-PLEX 090	2 x 18	151 130	151 131	151 133	630±2	3.7
PPR SR 112/4 HLR BREIT-PLEX 090	2 x 36	151 260	151 261	151 263	1240±2	5.8
PPR SR 112/6 HLR BREIT-PLEX 090	2 x 58	151 400	151 401	151 403	1540±2	7.6
Luminaire for continuous mounting with pralux® specular reflectors 090, wide-beam, made of acrylic glass (PMMA), with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB HLR BREIT-PLEX 090	2 x 18	152 130	152 131	152 133	630±2	3.7
PPR SR 114/4 LB HLR BREIT-PLEX 090	2 x 36	152 260	152 261	152 263	1240±2	5.8
PPR SR 114/6 LB HLR BREIT-PLEX 090	2 x 58	152 400	152 401	152 403	1540±2	7.6
Individual luminaire with pralux® specular reflectors 090, wide-beam, made of impact-resistant polycarbonate (PC), without through-wiring						
PPR SR 100/2 HLR BREIT-MAK 090	2 x 18	150 140	150 141	150 143	630±2	3.7
PPR SR 100/4 HLR BREIT-MAK 090	2 x 36	150 270	150 271	150 273	1240±2	5.8
PPR SR 100/6 HLR BREIT-MAK 090	2 x 58	150 410	150 411	150 413	1540±2	7.6
Luminaire for individual and continuous mounting with pralux® specular reflectors 090, wide-beam, made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/2 HLR BREIT-MAK 090	2 x 18	151 140	151 141	151 143	630±2	3.7
PPR SR 112/4 HLR BREIT-MAK 090	2 x 36	151 270	151 271	151 273	1240±2	5.8
PPR SR 112/6 HLR BREIT-MAK 090	2 x 58	151 410	151 411	151 413	1540±2	7.6
Luminaire for continuous mounting with pralux® specular reflectors 090, wide-beam, made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/2 LB HLR BREIT-MAK 090	2 x 18	152 140	152 141	152 143	630±2	3.7
PPR SR 114/4 LB HLR BREIT-MAK 090	2 x 36	152 270	152 271	152 273	1240±2	5.8
PPR SR 114/6 LB HLR BREIT-MAK 090	2 x 58	152 410	152 411	152 413	1540±2	7.6
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminares must be operated with covers in place!

Variants: For covers with louvers please complete basic models Avus, Monza, Monza-LBW with accessories! **Note:** Luminaire also available as HLR BREIT PLEX-PO.

Areas of application: Production facilities, beverage industry, maintenance halls, lighted ceilings, lighting height of 4.50 meters, extremely wide beam.



Flush luminaire ends with HLR 090.



Twin-lamp version with vertical plug-in sockets.



Luminaire San Remo T8

for FL T8/26 mm

single- and twin-lamp

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece socket ends made of PBT.

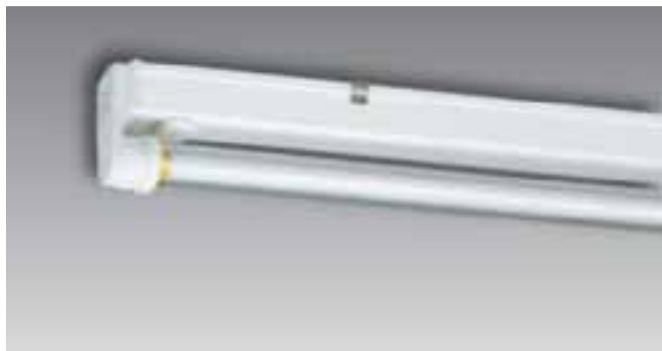
Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Protective tube \varnothing 50 mm made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. $7 \times 2.5 \text{ mm}^2$.

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

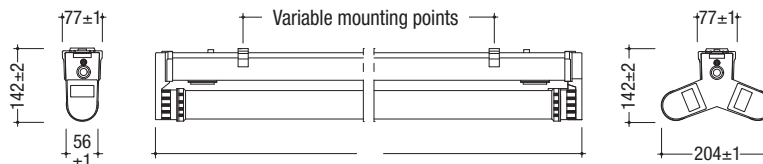
Ingress protection IP65

Dust-proof

Jet-proof

Shock (RC) 0.63**

230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with protective tube made of impact-resistant polycarbonate (PC) without through-wiring						
PPR SR 100/1 LS-MAK	1 x 18	135 110	135 111	135 113	630±2	2.2
PPR SR 100/3 LS-MAK	1 x 36	135 240	135 241	135 243	1240±2	2.7
PPR SR 100/5 LS-MAK	1 x 58	135 370	135 371	135 373	1540±2	3.5
PPR SR 100/2 LS-MAK	2 x 18	135 140	135 141	135 143	630±2	3.0
PPR SR 100/4 LS-MAK	2 x 36	135 270	135 271	135 273	1240±2	4.7
PPR SR 100/6 LS-MAK	2 x 58	135 410	135 411	135 413	1540±2	5.9
Luminaire for individual and continuous mounting with protective tube made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 LS-MAK	1 x 18	136 110	136 111	136 113	630±2	2.2
PPR SR 112/3 LS-MAK	1 x 36	136 240	136 241	136 243	1240±2	2.7
PPR SR 112/5 LS-MAK	1 x 58	136 370	136 371	136 373	1540±2	3.5
PPR SR 112/2 LS-MAK	2 x 18	136 140	136 141	136 143	630±2	3.0
PPR SR 112/4 LS-MAK	2 x 36	136 270	136 271	136 273	1240±2	4.7
PPR SR 112/6 LS-MAK	2 x 58	136 410	136 411	136 413	1540±2	5.9
Luminaire for continuous mounting with protective tube made of impact-resistant polycarbonate (PC), with through-wiring 4 x 1.5 mm²						
PPR SR 114/1 LB LS-MAK	1 x 18	137 110	137 111	137 113	630±2	2.2
PPR SR 114/3 LB LS-MAK	1 x 36	137 240	137 241	137 243	1240±2	2.7
PPR SR 114/5 LB LS-MAK	1 x 58	137 370	137 371	137 373	1540±2	3.5
PPR SR 114/2 LB LS-MAK	2 x 18	137 140	137 141	137 143	630±2	3.0
PPR SR 114/4 LB LS-MAK	2 x 36	137 270	137 271	137 273	1240±2	4.7
PPR SR 114/6 LB LS-MAK	2 x 58	137 410	137 411	137 413	1540±2	5.9
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
Cable entry at the side		691 150				
Cable entry at the ceiling side		691 151				
**Shock version		100 999				
*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!						
Note: Protective tube made of prachtopal [®] , impact resistant (LS-PLEX-PO), available made of silica glass (LS-SG) and acrylic glass (PMMA) (LS-PLEX).						

Areas of application: Car parks, industrial plants, airports, tram and bus garages, greenhouses, printing industry.



Protective tube with specular internal reflector, OSRAM-DEOS, side access.



Large connection compartment for continuous luminaire mounting.

Sealed, adjustable reflectors

for FL T8/26 mm and T5/16 mm

- Directed lighting – highly economical – high utilisation factors.
- Fluorescent lamps and reflectors will not get dirty. Easy to clean smooth lamp covers.
- Fluorescent lamps protected against mechanical impacts, strong winds and cold.

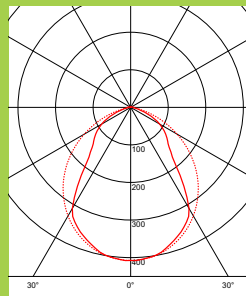


Utmost energy efficiency owing to modern **pralux**® engineering!

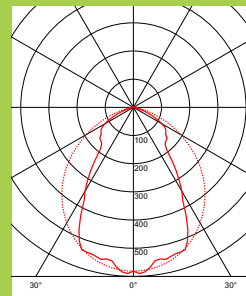


Ceiling heights from 4.50 m to 8 m.

Monaco T8 with parabolic mirror reflector (PSR)



cd/1000 lm
 $\eta_{LB} = 81\%$



cd/1000 lm
 $\eta_{LB} = 90\%$



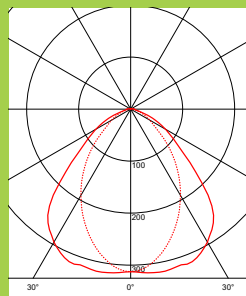
Ceiling heights up to 8 m max.

Apollo T5 with parabolic mirror reflector (PSR)

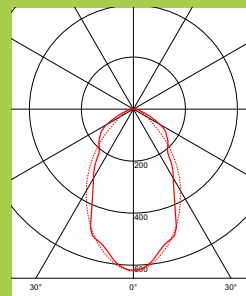


Ceiling heights up to 4 m max.

Herkules with parabolic mirror reflector and cross blade louvers (PSR/QLR)



cd/1000 lm
 $\eta_{LB} = 69\%$



cd/1000 lm
 $\eta_{LB} = 79\%$



Ceiling heights up to 5 m max.

Apollo T5 with parabolic mirror reflector and cross blade louvers (PSR/QLR)

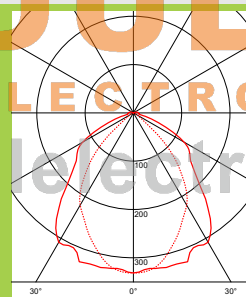


Ceiling heights up to 4 m max.

Apollo with parabolic mirror reflector and cross blade louvers (PSR/DLR)



cd/1000 lm
 $\eta_{LB} = 59\%$



cd/1000 lm
 $\eta_{LB} = 71\%$



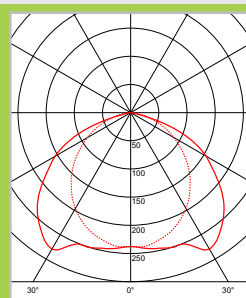
Ceiling heights up to 4 m max.

Apollo T5 with parabolic mirror reflector and cross blade louvers (PSR/DLR)

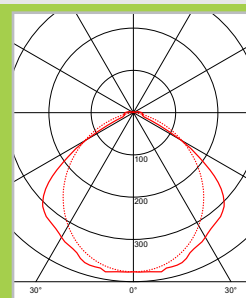


Ceiling heights up to 4 m max.

Herkules with parabolic mirror reflector, wide-beam (HLR Breit)



cd/1000 lm
 $\eta_{LB} = 81\%$



cd/1000 lm
 $\eta_{LB} = 99\%$



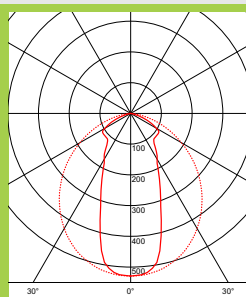
Ceiling heights up to 5 m max.

Apollo T5 with specular reflector, wide-beam (HLR Breit)

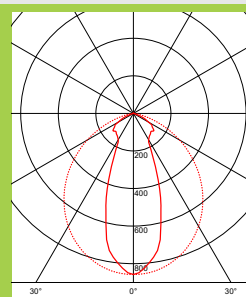


Ceiling heights up to 12 m max.

Herkules with specular reflector, narrow-beam (HLR Tief)



cd/1000 lm
 $\eta_{LB} = 81\%$



cd/1000 lm
 $\eta_{LB} = 99\%$



Ceiling heights up to 20 m max.

Apollo T5 with specular reflector, narrow-beam (HLR Tief)

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Luminaire Santorini T8

for FL T8/26 mm

with push-fit lampholders, single-lamp

Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact-resistant.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector 090, **all-round distribution**, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, fully adjustable.

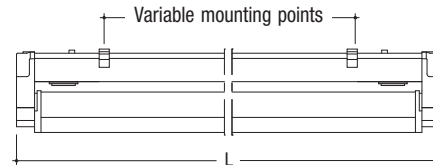
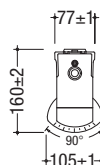
Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7x2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63**
 230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Individual luminaire with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with centering and retaining springs, without through-wiring						
PPR DD 100/1 PSR-PLEX-IG 090	1 x 18	480 100	480 101	480 103	636±2	2.4
PPR DD 100/3 PSR-PLEX-IG 090	1 x 36	480 230	480 231	480 233	1246±2	3.1
PPR DD 100/5 PSR-PLEX-IG 090	1 x 58	480 360	480 361	480 363	1546±2	4.1
Luminaire for individual and continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), w. centering and retaining springs with through-wiring 2x1.5 mm²						
PPR DD 112/1 PSR-PLEX-IG 090	1 x 18	481 100	481 101	481 103	636±2	2.4
PPR DD 112/3 PSR-PLEX-IG 090	1 x 36	481 230	481 231	481 233	1246±2	3.1
PPR DD 112/5 PSR-PLEX-IG 090	1 x 58	481 360	481 361	481 363	1546±2	4.1
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), w. centering and retaining springs w. through-wiring 4x1.5 mm²						
PPR DD 114/1 LB PSR-PLEX-IG 090	1 x 18	482 100	482 101	482 103	636±2	2.4
PPR DD 114/3 LB PSR-PLEX-IG 090	1 x 36	482 230	482 231	482 233	1246±2	3.1
PPR DD 114/5 LB PSR-PLEX-IG 090	1 x 58	482 360	482 361	482 363	1546±2	4.1
Individual luminaire with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with centering and retaining springs, without through-wiring						
PPR DD 100/1 PSR-MAK-IG 090	1 x 18	480 110	480 111	480 113	636±2	2.4
PPR DD 100/3 PSR-MAK-IG 090	1 x 36	480 240	480 241	480 243	1246±2	3.1
PPR DD 100/5 PSR-MAK-IG 090	1 x 58	480 370	480 371	480 373	1546±2	4.1
Luminaire for individual and continous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with through-wiring 2x1.5 mm²						
PPR DD 112/1 PSR-MAK-IG 090	1 x 18	481 110	481 111	481 113	636±2	2.4
PPR DD 112/3 PSR-MAK-IG 090	1 x 36	481 240	481 241	481 243	1246±2	3.1
PPR DD 112/5 PSR-MAK-IG 090	1 x 58	481 370	481 371	481 373	1546±2	4.1
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with centering and retaining springs, with DV 4x1.5 mm²						
PPR DD 114/1 LB PSR-MAK-IG 090	1 x 18	482 110	482 111	482 113	636±2	2.4
PPR DD 114/3 LB PSR-MAK-IG 090	1 x 36	482 240	482 241	482 243	1246±2	3.1
PPR DD 114/5 LB PSR-MAK-IG 090	1 x 58	482 370	482 371	482 373	1546±2	4.1
Extra cost:						
El. bal. Dim 1-10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				

*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Variants: For covers with louvers please supplement basic types Herkules! **Note:** For replacement covers, see page 39!

Areas of application: Food industry, beverage industry, dairies, heavy industry, steel industry, auto repair workshops, maintenance halls, gardening centers and greenhouses, lighting height of 3-7 meters.



With mirrored ring dark-light louvers.



With white cross blade louvers.

Luminaire Santorini T8

for FL T8/26 mm

with push-fit lampholders, twin-lamp

Utmost energy efficiency owing to modern **pralux**® engineering!

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact resistant.

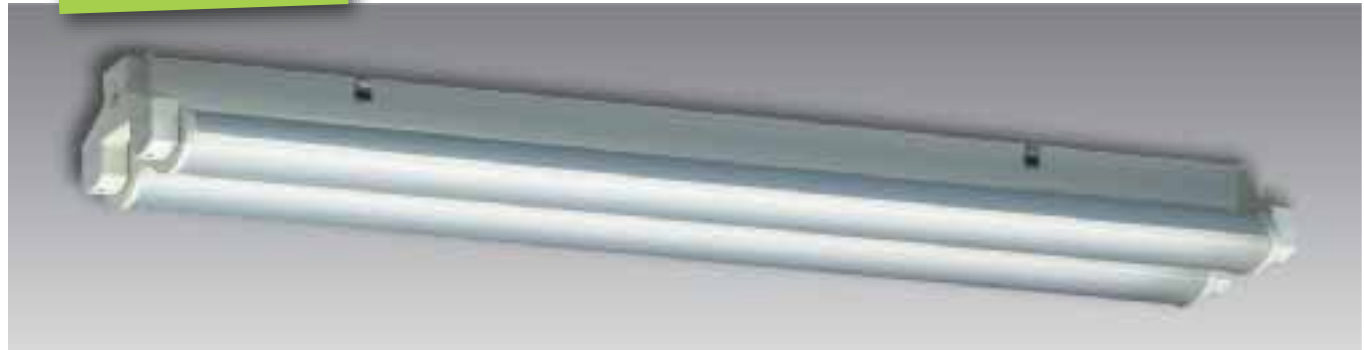
Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector 090, **all-round distribution**, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant, fully adjustable.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

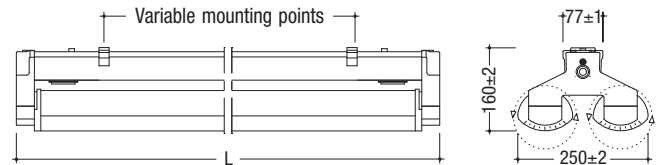
 Ingress protection IP65

 Dust-proof

 Jet-proof

 Shock (RC) 0.63**

 230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Individual luminaire with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with centering and retaining springs, without through-wiring						
PPR DD 100/2 PSR-PLEX-IG 090	2 x 18	480 130	480 131	480 133	636±2	3.3
PPR DD 100/4 PSR-PLEX-IG 090	2 x 36	480 260	480 261	480 263	1246±2	5.4
PPR DD 100/6 PSR-PLEX-IG 090	2 x 58	480 400	480 401	480 403	1546±2	6.9
Luminaire for individual continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), with centering and retaining springs, with through-wiring 2 x 1.5 mm²						
PPR DD 112/2 PSR-PLEX-IG 090	2 x 18	481 130	481 131	481 133	636±2	3.7
PPR DD 112/4 PSR-PLEX-IG 090	2 x 36	481 260	481 261	481 263	1246±2	5.9
PPR DD 112/6 PSR-PLEX-IG 090	2 x 58	481 400	481 401	481 403	1546±2	7.5
Luminaire for continuous mounting with pralux® parabolic mirror reflector 090 made of acrylic glass (PMMA), w. centering and retaining springs, w. through-wiring 4 x 1.5 mm²						
PPR DD 114/2 LB PSR-PLEX-IG 090	2 x 18	482 130	482 131	482 133	636±2	3.7
PPR DD 114/4 LB PSR-PLEX-IG 090	2 x 36	482 260	482 261	482 263	1246±2	5.9
PPR DD 114/6 LB PSR-PLEX-IG 090	2 x 58	482 400	482 401	482 403	1546±2	7.5
Individual luminaire with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with centering and retaining springs, without through-wiring						
PPR DD 100/2 PSR-MAK-IG 090	2 x 18	480 140	480 141	480 143	636±2	3.3
PPR DD 100/4 PSR-MAK-IG 090	2 x 36	480 270	480 271	480 273	1246±2	5.4
PPR DD 100/6 PSR-MAK-IG 090	2 x 58	480 410	480 411	480 413	1546±2	6.9
Luminaire for individual continuous mounting with pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), with through-wiring 2 x 1.5 mm²						
PPR DD 112/2 PSR-MAK-IG 090	2 x 18	481 140	481 141	481 143	636±2	3.6
PPR DD 112/4 PSR-MAK-IG 090	2 x 36	481 270	481 271	481 273	1246±2	5.8
PPR DD 112/6 PSR-MAK-IG 090	2 x 58	481 410	481 411	481 413	1546±2	7.3
Luminaire f. cont. mounting w. pralux® parabolic mirror reflector 090 made of impact-resistant polycarbonate (PC), w. centering and retaining springs, w. through-wiring 4 x 1.5 mm²						
PPR DD 114/2 LB PSR-MAK-IG 090	2 x 18	482 140	482 141	482 143	636±2	3.7
PPR DD 114/4 LB PSR-MAK-IG 090	2 x 36	482 270	482 271	482 273	1246±2	5.9
PPR DD 114/6 LB PSR-MAK-IG 090	2 x 58	482 410	482 411	482 413	1546±2	7.5
Extra cost:						
El. bal. Dim 1-10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version			100 999			

*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Variants: For covers with louvers please supplement basic types Herkules! **Note:** For replacement covers, see page 39!

Areas of application: Food industry, beverage industry, dairies, heavy industry, steel industry, auto repair workshops, maintenance halls, gardening centers and greenhouses, lighting height of 3-7 meters.



With mirrored ring dark-light louvers.



With white cross blade louvers.

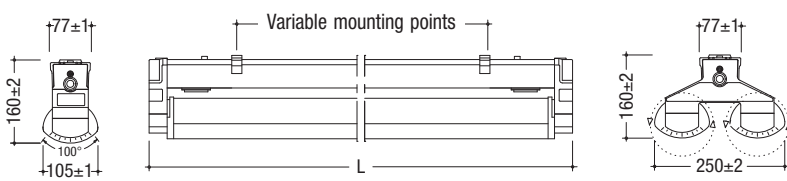


Luminaire Delos T8

for FL T8/26 mm

with push-fit lampholders, single- and twin-lamp

Utmost energy efficiency owing to modern **pralux**® engineering!



Type (VDE designation)	Watt	Inductive			Compensated			Electronic ballast			L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.				
Individual luminaire with pralux® parabolic mirror reflector, prachtopal®, with centering and retaining springs, without through-wiring												
PPR DD 100/1 PSR-PLEX-PO 090	1 x 18	485 110	485 111	485 113	636±2	2.4						
PPR DD 100/3 PSR-PLEX-PO 090	1 x 36	485 240	485 241	485 243	1246±2	3.1						
PPR DD 100/5 PSR-PLEX-PO 090	1 x 58	485 370	485 371	485 373	1546±2	4.1						
PPR DD 100/2 PSR-PLEX-PO 090	2 x 18	485 140	485 141	485 143	636±2	3.3						
PPR DD 100/4 PSR-PLEX-PO 090	2 x 36	485 270	485 271	485 273	1246±2	5.4						
PPR DD 100/6 PSR-PLEX-PO 090	2 x 58	485 410	485 411	485 413	1546±2	6.9						
Luminaire with pralux® parabolic mirror reflector, prachtopal®, with centering and retaining springs with through-wiring 2 x 1.5 mm²												
PPR DD 112/1 PSR-PLEX-PO 090	1 x 18	486 110	486 111	486 113	636±2	2.4						
PPR DD 112/3 PSR-PLEX-PO 090	1 x 36	486 240	486 241	486 243	1246±2	3.1						
PPR DD 112/5 PSR-PLEX-PO 090	1 x 58	486 370	486 371	486 373	1546±2	4.1						
PPR DD 112/2 PSR-PLEX-PO 090	2 x 18	486 140	486 141	486 143	636±2	3.7						
PPR DD 112/4 PSR-PLEX-PO 090	2 x 36	486 270	486 271	486 273	1246±2	5.9						
PPR DD 112/6 PSR-PLEX-PO 090	2 x 58	486 410	486 411	486 413	1546±2	7.5						
Luminaire for continuous mounting with pralux® parabolic mirror reflector, prachtopal®, with centering and retaining springs with through-wiring 4 x 1.5 mm²												
PPR DD 114/1 LB PSR-PLEX-PO 090	1 x 18	487 110	487 111	487 113	636±2	2.4						
PPR DD 114/3 LB PSR-PLEX-PO 090	1 x 36	487 240	487 241	487 243	1246±2	3.1						
PPR DD 114/5 LB PSR-PLEX-PO 090	1 x 58	487 370	487 371	487 373	1546±2	4.1						
PPR DD 114/2 LB PSR-PLEX-PO 090	2 x 18	487 140	487 141	487 143	636±2	3.7						
PPR DD 114/4 LB PSR-PLEX-PO 090	2 x 36	487 270	487 271	487 273	1246±2	5.9						
PPR DD 114/6 LB PSR-PLEX-PO 090	2 x 58	487 410	487 411	487 413	1546±2	7.5						
Extra cost:												
El. bal. Dim 1–10V (add to electronic ballast version)		685 004										
El. bal. Dim Dali (add to electronic ballast version)		685 005										
El. bal. Industry (add to electronic ballast version)	36/58	685 006										
Cable entry at the side		691 150										
Cable entry at the ceiling side		691 151										
**Shock version		100 999										

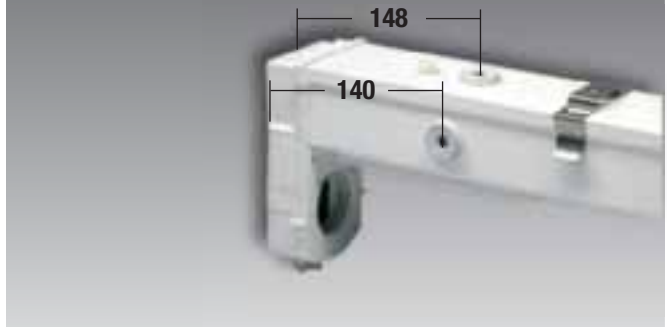
*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Variants: For covers with louvers please supplement basic types Herkules! **Note:** For replacement covers, see page 39!

Areas of application: Lift lighting, pedestrian underpasses, ramp lighting, public transport, distilleries, commercial kitchens, swimming pools, stadiums, car parks, canopies and awnings.



Bracket mounting clip Art.-No. 690 033
Standard mounting clip Art.-No. 690 031



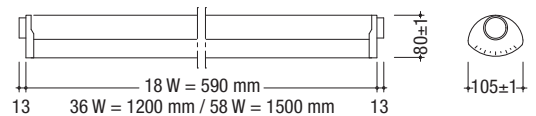
Cable entry at the ceiling side, 148 mm Art.-No. 691 151
Cable entry at the side, 140 mm Art.-No. 691 150

Replacement covers for Santorini and Delos T8 luminaires

for FL T8/26 mm

Utmost energy efficiency owing to modern **pralux**® engineering!

- with **pralux**® resp. standard reflectors
- Covers also available with dark-light louvers and cross blade louvers
- for push-fit lampholders, Delos and Santorini DD
- also for Herkules and Apollo DD
- with centering and retaining springs made of stainless steel



Designation	For luminaires Ø	Type	Reflector type	18 Watt	36 Watt	58 Watt
				Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflectors made of acrylic glass (PMMA) for push-fit lampholders with centering and retaining springs						
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG-DD 090	pralux ®	3631 201	3631 203	3631 205
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG-DD 081	Standard	631 201	631 203	631 205
Acrylic glass, clear	Ø 26	PSR-PLEX-DD 090	pralux ®	3631 211	3631 213	3631 215
Acrylic glass, clear	Ø 26	PSR-PLEX-DD 081	Standard	631 211	631 213	631 215
Parabolic mirror reflectors made of impact-resistant polycarbonate (PC) for push-fit lampholders with centering and retaining springs						
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG-DD 090	pralux ®	3631 301	3631 303	3631 305
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG-DD 081	Standard	631 301	631 303	631 305
Polycarbonate, clear	Ø 26	PSR-MAK-DD 090	pralux ®	3631 311	3631 313	3631 315
Polycarbonate, clear	Ø 26	PSR-MAK-DD 081	Standard	631 311	631 313	631 315
Parabolic mirror reflectors made of acrylic glass (PMMA) with white internal cross blade louvers for push-fit lampholders with centering and retaining springs						
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR-DD 090	pralux ®	3631 401	3631 403	3631 405
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR-DD 081	Standard	631 401	631 403	631 405
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR-DD 090	pralux ®	3631 411	3631 413	3631 415
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR-DD 081	Standard	631 411	631 413	631 415
Parabolic mirror reflectors made of polycarbonate (PC) with white internal cross blade louvers for push-fit lampholders with centering and retaining springs						
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR-DD 090	pralux ®	3631 501	3631 503	3631 505
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR-DD 081	Standard	631 501	631 503	631 505
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR-DD 090	pralux ®	3631 511	3631 513	3631 515
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR-DD 081	Standard	631 511	631 513	631 515
Parabolic mirror reflectors with mirrored internal dark-light louvers for push-fit lampholders with centering and retaining springs						
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR-DD 090	pralux ®	3631 601	3631 603	3631 605
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR-DD 081	Standard	631 601	631 603	631 605
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR-DD 090	pralux ®	3631 611	3631 613	3631 615
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR-DD 081	Standard	631 611	631 613	631 615
Parabolic mirror reflectors made of acrylic glass (PMMA) impact-resistant, prachtopal®, with centering and retaining springs, for push-fit lampholders						
prachtopal ®, impact-resistant	Ø 26	PSR-PLEX-PO-DD 090	pralux ®	3614 601	3614 603	3614 605
prachtopal ®, impact-resistant	Ø 26	PSR-PLEX-PO-DD 081	Standard	614 601	614 603	614 605



Herkules T8 luminaire system

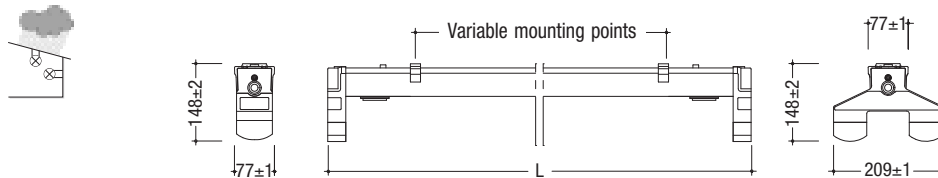
for FL T8/26 mm

with push-fit lampholders,
single- and twin-lamp

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact resistant.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: To be supplemented with accessories on page 41!
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63**
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire without through-wiring						
PPR DD 100/1	1 x 18	435 100	435 101	435 103	636±2	2.0
PPD DD 100/3	1 x 36	435 230	435 231	435 233	1246±2	2.5
PPR DD 100/5	1 x 58	435 360	435 361	435 363	1546±2	3.3
PPR DD 100/2	2 x 18	435 130	435 131	435 133	636±2	2.5
PPR DD 100/4	2 x 36	435 260	435 261	435 263	1246±2	3.9
PPR DD 100/6	2 x 58	435 400	435 401	435 403	1546±2	4.9
Luminaire for individual and continuous mounting with through-wiring 2 x 1.5 mm²						
PPR DD 112/1	1 x 18	436 100	436 101	436 103	636±2	2.0
PPR DD 112/3	1 x 36	436 230	436 231	436 233	1246±2	2.5
PPR DD 112/5	1 x 58	436 360	436 361	436 363	1546±2	3.3
PPR DD 112/2	2 x 18	436 130	436 131	436 133	636±2	2.8
PPR DD 112/4	2 x 36	436 260	436 261	436 263	1246±2	4.3
PPR DD 112/6	2 x 58	436 400	436 401	436 403	1546±2	5.3
Luminaire for continuous mounting with through-wiring 4 x 1.5 mm²						
PPR DD 114/1	1 x 18	437 100	437 101	437 103	636±2	2.1
PPR DD 114/3	1 x 36	437 230	437 231	437 233	1246±2	2.6
PPR DD 114/5	1 x 58	437 360	437 361	437 363	1546±2	3.4
PPR DD 114/2	2 x 18	437 130	437 131	437 133	636±2	2.9
PPR DD 114/4	2 x 36	437 260	437 261	437 263	1246±2	4.4
PPR DD 114/6	2 x 58	437 400	437 401	437 403	1546±2	5.5
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
**Shock version		100 999				
Thumb screw for push-fit lampholder (KNS)		699 444				
Cond. cross-sec. 1.5 mm ² = 10 A / 2.5 mm ² = 16 A						
Nipple coupling 4 x 1.5 mm ²		601 205				
Nipple coupling 4 x 2.5 mm ²		602 205				

*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Areas of application: Lift lighting, pedestrian underpasses, ramp lighting, public transport, distilleries, commercial kitchens, swimming pools.



Push-fit lampholder with thumb screw for easier maintenance (lamp replacement).



Protective tube Ø38mm for FL T8/26 mm.



Luminaire Jura, tubular luminaire cover Ø 90 mm with DL. RAL colours available at extra cost.

Accessories for the Herkules T8 luminaire system

for FL T8/26 mm with push-fit lampholder, single- and twin-lamp versions,

with **pralux®** resp. **standard** reflectors

Ordering information: When ordering a twin-lamp version, you will need two covers per luminaire!

LED variants see page 91.

Ultmost energy efficiency owing to modern **pralux®** engineering!



Designation	For lamps Ø	Type	Reflector type	18 Watt	36 Watt	58 Watt
				Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflector for Herkules system with push-fit lampholder DD, all-round distribution with centering and retaining springs made of stainless steel						
prachtopal® , impact-resistant	Ø 26	PSR-PLEX-PO-DD 090	pralux®	3614 601	3614 603	3614 605
prachtopal® , impact-resistant	Ø 26	PSR-PLEX-PO-DD 081	Standard	614 601	614 603	614 605
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG-DD 090	pralux®	3631 201	3631 203	3631 205
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG-DD 081	Standard	631 201	631 203	631 205
Acrylic glass, clear	Ø 26	PSR-PLEX-DD 090	pralux®	3631 211	3631 213	3631 215
Acrylic glass, clear	Ø 26	PSR-PLEX-DD 081	Standard	631 211	631 213	631 215
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG-DD 090	pralux®	3631 301	3631 303	3631 305
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG-DD 081	Standard	631 301	631 303	631 305
Polycarbonate, clear	Ø 26	PSR-MAK-DD 090	pralux®	3631 311	3631 313	3631 315
Polycarbonate, clear	Ø 26	PSR-MAK-DD 081	Standard	631 311	631 313	631 315
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR-DD 090	pralux®	3631 401	3631 403	3631 405
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR-DD 081	Standard	631 401	631 403	631 405
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR-DD 090	pralux®	3631 411	3631 413	3631 415
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR-DD 081	Standard	631 411	631 413	631 415
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR-DD 090	pralux®	3631 501	3631 503	3631 505
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR-DD 081	Standard	631 501	631 503	631 505
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR-DD 090	pralux®	3631 511	3631 513	3631 515
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR-DD 081	Standard	631 511	631 513	631 515
with internal mirrored dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR-DD 090	pralux®	3631 601	3631 603	3631 605
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR-DD 081	Standard	631 601	631 603	631 605
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR-DD 090	pralux®	3631 611	3631 613	3631 615
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR-DD 081	Standard	631 611	631 613	631 615
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR-DD 090	pralux®	3631 602	3631 604	3631 606
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR-DD 081	Standard	631 602	631 604	631 606
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR-DD 090	pralux®	3631 612	3631 614	3631 616
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR-DD 081	Standard	631 612	631 614	631 616
Specular reflector 090 wide-beam, for Herkules system with push-fit lampholder DD with centering and retaining springs made of stainless steel						
prachtopal® , impact-resistant	Ø 26	HLR-Breit-PLEX-PO-DD 090	pralux®	631 241	631 243	631 245
Acrylic glass, clear	Ø 26	HLR-Breit-PLEX-DD 090	pralux®	631 231	631 233	631 235
Polycarbonate, clear	Ø 26	HLR-Breit-MAK-DD 090	pralux®	631 431	631 433	631 435
Specular reflector 090 wide-beam with internal cross blade louvers, white, mirrored, with centering and retaining springs made of stainless steel						
Acrylic glass, clear CBL	Ø 26	HLR-Breit-PLEX-DD-QLR 090	pralux®	631 331	631 333	631 335
Polycarbonate, clear CBL	Ø 26	HLR-Breit-MAK-DD-QLR 090	pralux®	631 531	631 533	631 535
Specular reflector 090 wide-beam with mirrored dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear DLL	Ø 26	HLR-Breit-PLEX-DD-DLR 090	pralux®	631 851	631 853	631 855
Polycarbonate, clear DLL	Ø 26	HLR-Breit-MAK-DD-DLR 090	pralux®	631 861	631 863	631 865
Specular reflector 090 narrow-beam, for Herkules system with push-fit lampholder DD with centering and retaining springs made of stainless steel						
prachtopal® , impact-resistant	Ø 26	HLR-Tief-PLEX-PO-DD 090	pralux®	631 441	631 443	631 445
Acrylic glass, clear	Ø 26	HLR-Tief-PLEX-DD 090	pralux®	630 101	630 103	630 105
Polycarbonate, clear	Ø 26	HLR-Tief-MAK-DD 090	pralux®	630 401	630 403	630 405
Luminaire protective tube, luminaire Jura, tubular luminaire cover						
Tubular luminaire cover PMMA	Ø 26	RRA 90-PLEX		620 551	620 553	620 555
Tubular luminaire cover PC	Ø 26	RRA 90-MAK		620 651	620 653	620 655
Mirrored dark-light louvers		DLR		upon request	upon request	upon request
Perforated plate reflector		LOBL (indicate share of holes in %)		upon request	upon request	upon request
Luminaire protective tube for T8/26 mm luminaires						
Acrylic glass, clear, Ø 38 mm	Ø 26	LS-PLEX-DD-T8		613 322	613 324	613 327
Polycarbonate, clear, Ø 38 mm	Ø 26	LS-MAK-DD-T8		623 322	623 324	623 326
Acrylic glass, clear, Ø 50 mm	Ø 26	LS-PLEX-DD-T8		623 112	623 114	623 116
Polycarbonate, clear, Ø 50 mm	Ø 26	LS-MAK-DD-T8		613 312	613 314	613 316
Polycarbonate, clear, internal ribbing, Ø 50 mm	Ø 26	LS-MAK-IG-DD-T8		623 312	623 314	623 316
Specular reflector für LS-tube Ø 50 mm for T8/26 mm luminaires						
Specular reflector, Ø 38 mm	Ø 26	HIR-T8/26-38		692 003	692 004	692 005
Specular reflector, Ø 50 mm	Ø 26	HIR-T8/26-50		692 012	692 014	692 016



Rimberg T8 luminaire system

for FL T8/26 mm

with push-fit lampholders, single- and twin-lamp

Listed with the Deutsche Bahn AG

Housing: Tubular housing, fully sealed, made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact-resistant

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Square cover, clear or opal, made of acrylic glass (PMMA) or polycarbonate (PC), impact-resistant.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7x2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



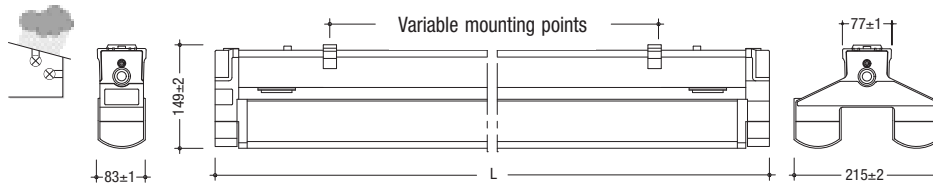
Protection Class II according to VDE 0711/EN 60598

Ingress protection IP65

Dust-proof, Jet-proof

Shock (RC) 0.63**

230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Rimberg luminaire, FL cover made of acrylic glass (PMMA), opal tint, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-PLEX-OPAK	1 x 18	401 100	401 101	401 103	636±2	2.2
PPR DD 112/3 VKR-PLEX-OPAK	1 x 36	401 230	401 231	401 233	1246±2	3.2
PPR DD 112/5 VKR-PLEX-OPAK	1 x 58	401 360	401 361	401 363	1546±2	4.3
PPR DD 112/2 VKR-PLEX-OPAK	2 x 18	401 130	401 131	401 133	636±2	2.2
PPR DD 112/4 VKR-PLEX-OPAK	2 x 36	401 260	401 261	401 263	1246±2	3.2
PPR DD 112/6 VKR-PLEX-OPAK	2 x 58	401 400	401 401	401 403	1546±2	4.3
Rimberg luminaire, FL cover made of acrylic glass (PMMA), clear, internal ribbing, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-PLEX-IG	1 x 18	400 100	400 101	400 103	636±2	2.2
PPR DD 112/3 VKR-PLEX-IG	1 x 36	400 230	400 231	400 233	1246±2	3.2
PPR DD 112/5 VKR-PLEX-IG	1 x 58	400 360	400 361	400 363	1546±2	4.3
PPR DD 112/2 VKR-PLEX-IG	2 x 18	400 130	400 131	400 133	636±2	2.2
PPR DD 112/4 VKR-PLEX-IG	2 x 36	400 260	400 261	400 263	1246±2	3.2
PPR DD 112/6 VKR-PLEX-IG	2 x 58	400 400	400 401	400 403	1546±2	4.3
Rimberg luminaire, FL cover made of polycarbonate (PC), opal tint, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-MAK-OPAK	1 x 18	401 110	401 111	401 113	636±2	2.2
PPR DD 112/3 VKR-MAK-OPAK	1 x 36	401 240	401 241	401 243	1246±2	3.2
PPR DD 112/5 VKR-MAK-OPAK	1 x 58	401 370	401 371	401 373	1546±2	4.3
PPR DD 112/2 VKR-MAK-OPAK	2 x 18	401 140	401 141	401 143	636±2	2.2
PPR DD 112/4 VKR-MAK-OPAK	2 x 36	401 270	401 271	401 273	1246±2	3.2
PPR DD 112/6 VKR-MAK-OPAK	2 x 58	401 410	401 411	401 413	1546±2	4.3
Rimberg luminaire, FL cover made of polycarbonate (PC), clear, internal ribbing, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-MAK-IG	1 x 18	400 110	400 111	400 113	636±2	2.2
PPR DD 112/3 VKR-MAK-IG	1 x 36	400 240	400 241	400 243	1246±2	3.2
PPR DD 112/5 VKR-MAK-IG	1 x 58	400 370	400 371	400 373	1546±2	4.3
PPR DD 112/2 VKR-MAK-IG	2 x 18	400 140	400 141	400 143	636±2	2.2
PPR DD 112/4 VKR-MAK-IG	2 x 36	400 270	400 271	400 273	1246±2	3.2
PPR DD 112/6 VKR-MAK-IG	2 x 58	400 410	400 411	400 413	1546±2	4.3
**Shock version (extra cost)		100 999				

Accessories: See page 43!

*For versions with electronic ballast identification Luminaires must be operated with covers in place!

Areas of application: Pedestrian underpasses, ramps, public transport, commercial kitchens, swimming pools, stadiums, car parks, canopies and awnings.



With opaque luminaire cover.



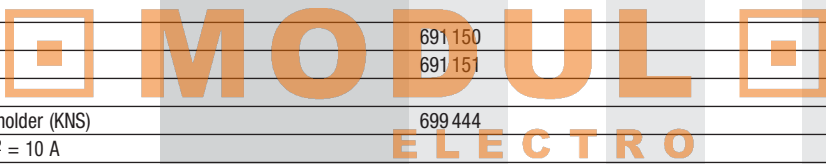
Shatterproof, one-piece push-fit lampholder housing resistant against acids/alkalis.

Accessories for the Rimberg T8 luminaire system

for FL T8/26 mm



Designation	For lamps \varnothing	Type	18 Watt	36 Watt	58 Watt
			Art.-No.	Art.-No.	Art.-No.
Luminaire cover, luminaire Rimberg, with centering and retaining springs					
Acrylic glass, opal white	\varnothing 26	VKR-PLEX-OPAK	618 511	618 513	618 515
Acrylic glass, clear, internal ribbing	\varnothing 26	VKR-PLEX-IG	618 111	618 113	618 115
Polycarbonate, opal white	\varnothing 26	VKR-MAK-OPAK	618 521	618 523	618 525
Polycarbonate, clear, internal ribbing	\varnothing 26	VKR-MAK-IG	618 121	618 123	618 125
Aluminium half-screen		HIB (extra cost)	691 011	691 013	691 015
Built-in through-wiring, 4 x 1.5 mm ²			690 114	690 314	690 514
Built-in through-wiring, 4 x 2.5 mm ² at extra cost to 4 x 1.5 mm ²			690 124	690 324	690 524
Nipple coupling 2 x 1.5 mm ²			601 206		
Nipple coupling 4 x 1.5 mm ²			601 205		
Nipple coupling 4 x 2.5 mm ²			602 205		
Safety starter		ST173/ST171	690 063	690 062	690 062
Electronic starter		S2E/S10E	692 631	691 030	691 030
Silicone seals DD-38			691 028	691 028	691 028
Extra cost:					
El.bal. Dim 1–10V (add to electronic ballast version)			685 004		
El.bal. Dim Dali (add to electronic ballast version)			685 005		
El.bal. Industrie (add to electronic ballast version)		36/58	685 006		
Cable entry at the side			691 150		
Cable entry at the ceiling side			691 151		
Thumb screw for push-fit lampholder (KNS)			699 444		
Conductor cross-section 1.5 mm ² = 10 A					
Conductor cross-section 2.5 mm ² = 16 A					



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System luminaire Rimberg T5


for FL T5/16 mm, single- and twin-lamp – see page 59!




Rimberg T5 single-lamp design.



Rimberg T5 twin-lamp design.



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ELECTRO
www.modulelectro.ru



Apollo SR Product Line Advantages

for T5/16 mm and T8/26 mm

with threaded ring lampholders

Requests to tender text:

Apollo luminaire with stable, one-piece threaded ring lampholders

Slim, elegant, rigid, fully sealed luminaire housing made of white, fibreglass reinforced, highly flame resistant polyester resin, resistant against acids and alkalis. One-piece (single- and twin-lamp) threaded ring lampholder end pieces made of impact-resistant, thermoplastic polyester (PBTP). Two-slot internal sockets with **silver-plated contacts** for T8/26 mm.

Seals made of age-resistant silicone, seals in the connection cover for continuous mounting made of age-resistant material.

Starter can be accessed externally.

ONE-MAN PLUG-IN INSTALLATION with Pracht Clip System made of stainless steel.

Suitable for ceiling, pendant and horizontal wall mounting.

With through-wiring max. 7 x 2.5 mm². M20 glands with triple sealing lip.

Low loss ballast B1/electronic ballast 230V/50Hz.

T5/16 mm threaded ring lampholders, single- and twin-lamp for batten luminaires and protective tubes.



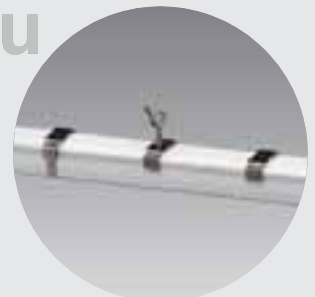
One piece, single lamp T8/26 mm threaded ring lampholders with parabolic mirror reflector.



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Variable mounting points with Pracht Clip System made of stainless steel. Also for individual mounting see page 198/199!



One piece, twin-lamp T8/26 mm threaded ring lampholders with two-slot internal sockets, vertical lamp insertion.



Threaded ring version with \varnothing 50 mm protective tube and low-maintenance internal adapter for secure lamp installation.



Apollo DD Product Line Advantages

for T5/16 mm and T8/26 mm

with push-fit lampholders



Requests to tender text for T8/26 mm:

Apollo luminaire with one-piece, stable, low-maintenance push-fit lampholders
Slim, elegant, rigid, fully sealed luminaire housing made of white, fibreglass reinforced, highly flame resistant polyester resin, resistant against acids and alkalis. single part (single- and twin-lamp) **press-fit-socket end pieces** made of impact-resistant thermoplastic polyester (PBTP).

Two-slot internal sockets with **silver plated contacts for T8/26 mm.**

Seals made of age-resistant silicone, seals of the continuous mounted connection covers made of age-resistant material. Starter can be accessed externally.

ONE-MAN PLUG-IN INSTALLATION with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting. With through-wiring max. 7 x 2.5 mm². M20 glands with triple sealing lip. VVG-B1/Electronic ballast 230V/50Hz.



One piece, rugged, twin-lamp, two-slot push-fit lampholders, impact-resistant with quick mounting clip made of stainless steel for securing the T5/16 mm push-fit lampholder.



One piece, rugged, single-lamp push-fit lampholder, luminaire Rimberg in T5/16 mm design.

MODULO
ELECTRO

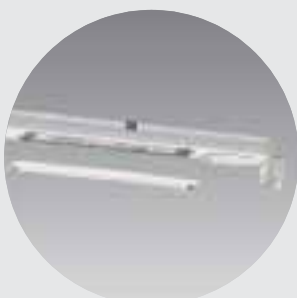
www.modulelectro.ru



One piece, flat, rugged, single lamp push-fit lampholder with two-slot internal lampholder and silver plated contacts for FL T8/26 mm.



One piece, extremely high , rugged, single lamp push-fit lampholder, with two-slot internal lampholder and silver plated contacts and wide adjustment range for the covers for FL T8/26 mm.



Maintenance-friendly, large XXL cover (not for 14/24 W and 18 W).

Comprehensive accessories!



Batten luminaire System Apollo T8

for FL T8/26 mm

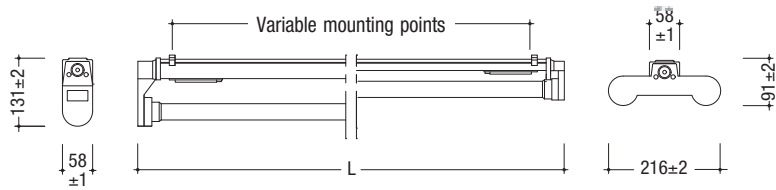
single- and twin-lamp with threaded ring lampholders

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece socket ends made of PBTP.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Batten luminaire, can be supplemented with accessories.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.

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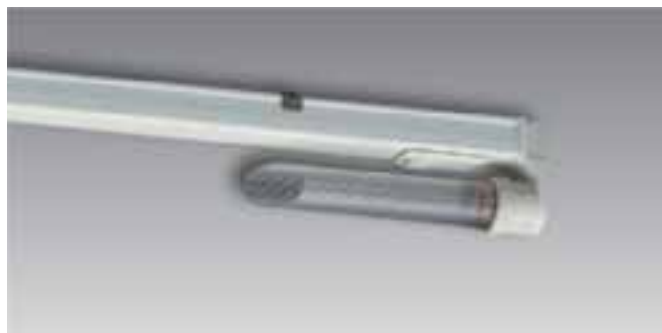
Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire for individual and continuous mounting, two connection covers and through-wiring 2 x 1.5 mm²						
PPR SR 212/1	1 x 18	165 100	165 101	165 103	632±2	1.6
PPR SR 212/3	1 x 36	165 230	165 231	165 233	1242±2	2.1
PPR SR 212/5	1 x 58	165 360	165 361	165 363	1542±2	3.4
PPR SR 212/2	2 x 18	165 130	165 131	165 133	632±2	2.5
PPR SR 212/4	2 x 36	165 260	165 261	165 263	1242±2	3.6
PPR SR 212/6	2 x 58	165 400	165 401	165 403	1542±2	4.6
Luminaire for continuous mounting, two connection covers and through-wiring 4 x 1.5 mm²						
PPR SR 214/1	1 x 18	170 100	170 101	170 103	632±2	1.6
PPR SR 214/3	1 x 36	170 230	170 231	170 233	1242±2	2.1
PPR SR 214/5	1 x 58	170 360	170 361	170 363	1542±2	3.4
PPR SR 214/2	2 x 18	170 130	170 131	170 133	632±2	2.5
PPR SR 214/4	2 x 36	170 260	170 261	170 263	1242±2	3.6
PPR SR 214/6	2 x 58	170 400	170 401	170 403	1542±2	4.6
Extra cost:						
El. bal. Dim 1–10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
Non-silicone design		685 009				
Cable entry at the side		691 150				
Cable entry at the ceiling side		691 151				
Conductor cross-section 1.5 mm ² = 10 A						
Conductor cross-section 2.5 mm ² = 16 A						
Extra cost for version with 4 x 1.5 mm²:						
Built-in through-wiring, 4 x 2.5 mm ²	18 Watt	690 124				
	36 Watt	690 324				
	58 Watt	690 524				
Note: For accessories, see page 50!						

*For versions with electronic ballast: Identification ∇ Luminaires must be operated with covers in place!

Areas of application: Car parks, damp and humid rooms, auxiliary rooms, industrial plants, automotive industry, continuous mounting applications.



Protective tube, internal ribbing; cable entry at the side resp. ceiling side.



Connection compartment for continuous mounting and vertical lamp insertion.

Batten luminaire System Ariane T8

for FL T8/26 mm

single- and twin-lamp
with threaded ring lampholder

Housing: Polycarbonate, white, 100% recyclable, 2 connection covers for continuous mounting.

Socket end pieces: One-piece socket end pieces made of PBTP.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Batten luminaire, can be supplemented with accessories

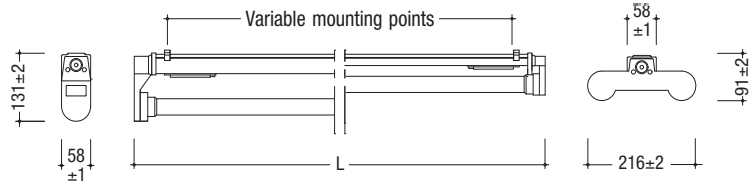
Seals: Short, age-resistant silicone seals.

Electrical components: Electronic ballast; through-wiring max. 7 x 2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Electronic ballast		L (mm)	Weight (kg)
		Art.-No.			
Luminaire for individual and continuous mounting, with two connection covers and through-wiring 2 x 1.5 mm²					
PPCR 212/1	1 x 18	167 103		632±2	1.6
PPCR 212/3	1 x 36	167 233		1242±2	2.1
PPCR 212/5	1 x 58	167 363		1542±2	3.4
PPCR 212/2	2 x 18	167 133		632±2	2.5
PPCR 212/4	2 x 36	167 263		1242±2	3.6
PPCR 212/6	2 x 58	167 403		1542±2	4.6
Luminaire for continuous mounting, with two connection covers and through-wiring 4 x 1.5 mm²					
PPCR 214/1	1 x 18	169 103		632±2	1.6
PPCR 214/3	1 x 36	169 233		1242±2	2.1
PPCR 214/5	1 x 58	169 363		1542±2	3.4
PPCR 214/2	2 x 18	169 133		632±2	2.5
PPCR 214/4	2 x 36	169 263		1242±2	3.6
PPCR 214/6	2 x 58	169 403		1542±2	4.6
Extra cost:					
El. bal. Dim 1–10V (add to electronic ballast version)		685 004			
El. bal. Dim Dali (add to electronic ballast version)		685 005			
El. bal. Industry (add to electronic ballast version)	36/58	685 006			
Non-silicone design		685 009			
Cable entry at the side		691 150			
Cable entry at the ceiling side		691 151			
Conductor cross-section 1.5 mm ² = 10 A		*For versions with electronic ballast: Identification Luminares must be operated with covers in place!			
Conductor cross-section 2.5 mm ² = 16 A					
Note: For accessories, see page 50!					

Areas of application: Mine shaft lighting, production plants, greenhouses, façade lighting (built-in).



Version with parabolic mirror reflector and internal ring louvers.



One-piece, twin-lamp T8/26 mm threaded ring lampholder with PSR.



Accessories for the Apollo and Ariane T8 systems

for FL T8/26 mm; with **pralux**® resp. standard reflectors,

single- and twin-lamp with threaded ring lampholders, see also system Azoren, page 192 ff.

Ordering information: When ordering a twin-lamp version, you will need two covers per luminaire!

Utmost energy efficiency owing to modern **pralux**® engineering!

Designation	For lamps Ø	Type	Reflector version	18 Watt	36 Watt	58 Watt
				Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflector, all-round distribution, for threaded ring lampholder, with centering and retaining springs made of stainless steel						
prachtopal ®, impact-resistant	Ø 26	PSR-PLEX-PO 090	pralux ®	3614 501	3614 503	3614 505
prachtopal ®, impact-resistant	Ø 26	PSR-PLEX-PO 081	Standard	614 501	614 503	614 505
Acrylic glass, clear	Ø 26	PSR-PLEX 090	pralux ®	3611 251	3611 253	3611 255
Acrylic glass, clear	Ø 26	PSR-PLEX 081	Standard	611 251	611 253	611 255
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG 090	pralux ®	3611 201	3611 203	3611 205
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG 081	Standard	611 201	611 203	611 205
Polycarbonate, clear	Ø 26	PSR-MAK 090	pralux ®	3611 451	3611 453	3611 455
Polycarbonate, clear	Ø 26	PSR-MAK 081	Standard	611 451	611 453	611 455
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG 090	pralux ®	3611 401	3611 403	3611 405
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG 081	Standard	611 401	611 403	611 405
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR	pralux ®	3621 251	3621 253	3621 255
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR	Standard	621 251	621 253	621 255
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR	pralux ®	3621 201	3621 203	3621 205
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR	Standard	621 201	621 203	621 205
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR	pralux ®	3621 451	3621 453	3621 455
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR	Standard	621 451	621 453	621 455
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR	pralux ®	3621 401	3621 403	3621 405
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR	Standard	621 401	621 403	621 405
with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR	pralux ®	3621 851	3621 853	3621 855
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR	Standard	621 851	621 853	621 855
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR	pralux ®	3621 801	3621 803	3621 805
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR	Standard	621 801	621 803	621 805
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR	pralux ®	3621 951	3621 953	3621 955
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR	Standard	621 951	621 953	621 955
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR	pralux ®	3621 901	3621 903	3621 905
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR	Standard	621 901	621 903	621 905
Specular reflector 090 wide-beam, with centering and retaining springs made of stainless steel						
prachtopal ®, impact-resistant	Ø 26	HLR-Breit-PO 090	pralux ®	611 501	611 503	611 505
Acrylic glass, clear	Ø 26	HLR-Breit-PLEX 090	pralux ®	611 231	611 233	611 235
Polycarbonate, clear	Ø 26	HLR-Breit-MAK 090	pralux ®	611 431	611 433	611 435
Specular reflector with internal cross blade louvers, white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear CBL	Ø 26	HLR-Breit-PLEX-QLR	pralux ®	611 261	611 263	611 265
Polycarbonate, clear CBL	Ø 26	HLR-Breit-MAK-QLR	pralux ®	611 441	611 443	611 445
Specular reflector with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear DLL	Ø 26	HLR-Breit-PLEX-DLR	pralux ®	611 331	611 333	611 335
Polycarbonate, clear DLL	Ø 26	HLR-Breit-MAK-DLR	pralux ®	611 531	611 533	611 535
Specular reflector 090 narrow-beam, with centering and retaining springs made of stainless steel						
prachtopal ®, impact-resistant	Ø 26	HLR-Tief-PO 090	pralux ®	610 521	610 523	610 525
Acrylic glass, clear	Ø 26	HLR-Tief-PLEX 090	pralux ®	610 101	610 103	610 105
Polycarbonate, clear	Ø 26	HLR-Tief-MAK 090	pralux ®	610 401	630 403	610 405

Designation	For lamps Ø	Type	18 Watt	36 Watt	58 Watt
			Art.-No.	Art.-No.	Art.-No.
Luminaire protective tube with adapter for 26 mm F luminaires					
Polycarbonate, clear, OD = 38 mm	Ø 26	LS-MAK-SR-T8	613 321	613 323	613 325
Polycarbonate, clear, int. ribbing, OD = 38 mm	Ø 26	LS-MAK-IG-SR-T8	613 331	613 333	613 335
Acrylic glass, clear, OD = 50 mm	Ø 26	LS-PLEX-SR-T8	623 111	623 113	623 115
Acrylic glass, clear, int. ribbing, OD = 50 mm	Ø 26	LS-PLEX-IG-SR-T8	623 101	623 103	623 105
Polycarbonate, clear, OD = 50 mm	Ø 26	LS-MAK-SR-T8	613 311	613 313	613 315
Polycarbonate, clear, int. ribbing, OD = 50 mm	Ø 26	LS-MAK-IG-SR-T8	623 311	623 313	623 315
Silicate glass, clear, OD = 38 mm	Ø 26	LS-SG-SR-T8	623 611	623 613	623 615
Silicate glass, clear, OD = 50 mm	Ø 26	LS-SG-SR-T8	623 651	623 653	623 655
prachtopal ®, impact-resistant, OD = 50 mm	Ø 26	LS-PO-SR-T8	624 111	624 113	624 115
Note: Luminaire protective tubes Ø 38 mm and Ø 50 mm can be equipped with internal specular reflectors.					
Internal specular reflector	Ø 38	HIR-SR-T8/38	691 002	691 004	691 006
Internal specular reflector	Ø 50	HIR-SR-T8/50	691 001	691 003	691 005
Threaded ring white, with silicone rubber seals					
Batten luminaire	Ø 26	SR 38/26	690 052		
Luminaire protective tube	Ø 50	SR 38/50	690 053		
Covers FL Ø26 luminaire protective tube Ø38	Ø 26	SR 38/2-two-part	690 050		
Maintenance-friendly XXL cover, L = 360 mm				692 210	692 210

Batten Luminaire System Atlantis T8

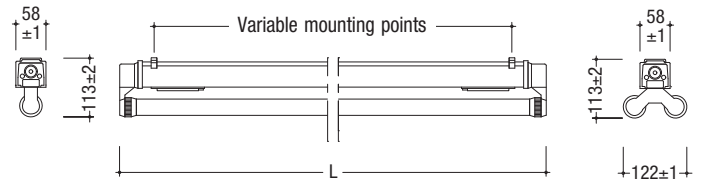
for FL T8/26 mm

single- and twin-lamp

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: Clip-on socket end pieces made of impact-resistant synthetic material.
Socket: Two-slot plug-in socket.
Lamp cover: Batten luminaire, can be supplemented with accessories.
Seals: Short, age-resistant.
Electrical components: Low loss ballast B1 starter; electronic ballast
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire without through-wiring						
PPR SR 200/1	1 x 18	160 100	160 101	160 103	628±2	1.6
PPR SR 200/3	1 x 36	160 230	160 231	160 233	1238±2	2.1
PPR SR 200/5	1 x 58	160 360	160 361	160 363	1538±2	3.0
Individual luminaire without through-wiring						
PPR SR 200/2	2 x 18	160 130	160 131	160 133	628±2	2.5
PPR SR 200/4	2 x 36	160 260	160 261	160 263	1238±2	3.6
PPR SR 200/6	2 x 58	160 400	160 401	160 403	1538±2	4.9
Extra cost:						
El. bal. Dim 1-10V (add to electronic ballast version)			685 004			
El. bal. Dim Dali (add to electronic ballast version)			685 005			
El. bal. Industry (add to electronic ballast version)	36/58		685 006			
Non-silicone design			685 009			
Cable entry at the side			691 150			
Cable entry at the ceiling side			691 151			
Through-wiring upon request!						

Areas of application: Signage lightings, display cabinets, auxiliary rooms with high humidity.



Luminaire protective tube Ø 38 mm with heat conducting adapter.



Mounting clips with accessories for individual suspension and standard clip.



System Luminaire Apollo DD T8

for FL T8/26 mm, single-lamp

with flat (DDF) push-fit lampholders
with high (DDH) push-fit lampholders

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece push-fit lampholder end pieces made of PBTP, impact-resistant.

Socket: Two-slot plug-in socket with silver-plated contacts.

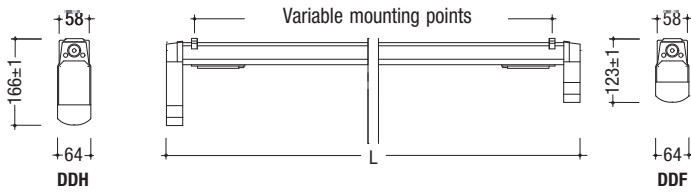
Lamp cover: To be supplemented with accessories on page 53!

Seals: Short, age-resistant silicone seals.

Electr. comp.: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7x2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.

Listed with the Deutsche Bahn AG



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Individual luminaire without through-wiring, DDF with extremely flat push-fit lampholders						
PPR DDF 200/1	1 x 18	160 500	160 501	160 503	634±2	1.7
PPR DDF 200/3	1 x 36	160 730	160 731	160 733	1244±2	2.2
PPR DDF 200/5	1 x 58	160 860	160 861	160 863	1544±2	3.5
Luminaire for individual and continuous mounting with through-wiring 2 x 1.5 mm², DDF with extremely flat push-fit lampholders						
PPR DDF 212/1	1 x 18	165 500	165 501	165 503	634±2	1.7
PPR DDF 212/3	1 x 36	165 730	165 731	165 733	1244±2	2.2
PPR DDF 212/5	1 x 58	165 860	165 861	165 863	1544±2	3.5
Luminaire for continuous mounting with through-wiring 4 x 1.5 mm², DDF with extremely flat push-fit lampholders						
PPR DDF 214/1	1 x 18	170 500	170 501	170 503	634±2	1.7
PPR DDF 214/3	1 x 36	170 730	170 731	170 733	1244±2	2.2
PPR DDF 214/5	1 x 58	170 860	170 861	170 863	1544±2	3.5
Individual luminaire without through-wiring, DDH with high push-fit lampholders, adjusting range 360°						
PPR DDH 200/1	1 x 18	160 510	160 511	160 513	634±2	1.8
PPR DDH 200/3	1 x 36	160 740	160 741	160 743	1244±2	2.3
PPR DDH 200/5	1 x 58	160 870	160 871	160 873	1544±2	3.6
Luminaire for individual and continuous mounting with through-wiring 2 x 1.5 mm², DDH with high push-fit lampholders, adjusting range 360°						
PPR DDH 212/1	1 x 18	165 510	165 511	165 513	634±2	1.8
PPR DDH 212/3	1 x 36	165 740	165 741	165 743	1244±2	2.3
PPR DDH 212/5	1 x 58	165 870	165 871	165 873	1544±2	3.6
Luminaire for continuous mounting with through-wiring 4 x 1.5 mm², DDH with high push-fit lampholders, adjusting range 360°						
PPR DDH 214/1	1 x 18	170 510	170 511	170 513	634±2	1.8
PPR DDH 214/3	1 x 36	170 740	170 741	170 743	1244±2	2.3
PPR DDH 214/5	1 x 58	170 870	170 871	170 873	1544±2	3.6
Conductor cross-section 1.5 mm ² = 10 A // Conductor cross-section 2.5 mm ² = 16 A						
Extra cost:						
El. bal. Dim 1-10V (add to electronic ballast version)		685 004				
El. bal. Dim Dali (add to electronic ballast version)		685 005				
El. bal. Industry (add to electronic ballast version)	36/58	685 006				
Non-silicone design		685 009				

*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Areas of application: Lift lighting, pedestrian underpasses, ramp lighting, public transport, maintenance halls, hidden façade lighting, signage lighting (covered).



High push-fit lampholder (DDH): Adjustment range for reflectors: 360°.



Flat push-fit lampholder (DDF): Restricted adjustment range.



Easy maintenance due to the large XXL cover, L = 360 mm. Additional item XXL cover: 692 210 (extra cost).

Accessories for the Apollo DD T8 system luminaire

for FL T8/26 mm, single-lamp; with **pralux®** resp. **standard** reflectors

Ordering information: When ordering a twin-lamp version, you will need two covers per luminaire!

Ultmost energy efficiency owing to modern **pralux®** engineering!



Designation	For lamps Ø	Type	Reflector type	18 Watt	36 Watt	58 Watt
				Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflector for system Herkules with push-fit lampholder DD, all-round distribution with centering and retaining springs made of stainless steel						
prachtopal® , impact-resistant	Ø 26	PSR-PLEX-PO-DD 090	pralux®	3614 601	3614 603	3614 605
prachtopal® , impact-resistant	Ø 26	PSR-PLEX-PO-DD 081	Standard	614 601	614 603	614 605
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG-DD 090	pralux®	3631 201	3631 203	3631 205
Acrylic glass, clear, internal ribbing	Ø 26	PSR-PLEX-IG-DD 081	Standard	631 201	631 203	631 205
Acrylic glass, clear	Ø 26	PSR-PLEX-DD 090	pralux®	3631 211	3631 213	3631 215
Acrylic glass, clear	Ø 26	PSR-PLEX-DD 081	Standard	631 211	631 213	631 215
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG-DD 090	pralux®	3631 301	3631 303	3631 305
Polycarbonate, clear, internal ribbing	Ø 26	PSR-MAK-IG-DD 081	Standard	631 301	631 303	631 305
Polycarbonate, clear	Ø 26	PSR-MAK-DD 090	pralux®	3631 311	3631 313	3631 315
Polycarbonate, clear	Ø 26	PSR-MAK-DD 081	Standard	631 311	631 313	631 315
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR-DD 090	pralux®	3631 401	3631 403	3631 405
Acrylic glass, clear, internal ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR-DD 081	Standard	631 401	631 403	631 405
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR-DD 090	pralux®	3631 411	3631 413	3631 415
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR-DD 081	Standard	631 411	631 413	631 415
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR-DD 090	pralux®	3631 501	3631 503	3631 505
Polycarbonate, clear, internal ribbing, CBL	Ø 26	PSR-MAK-IG-QLR-DD 081	Standard	631 501	631 503	631 505
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR-DD 090	pralux®	3631 511	3631 513	3631 515
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR-DD 081	Standard	631 511	631 513	631 515
with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR-DD 090	pralux®	3631 601	3631 603	3631 605
Acrylic glass, clear, internal ribbing, DLL	Ø 26	PSR-PLEX-IG-DLR-DD 081	Standard	631 601	631 603	631 605
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR-DD 090	pralux®	3631 611	3631 613	3631 615
Acrylic glass, clear, DLL	Ø 26	PSR-PLEX-DLR-DD 081	Standard	631 611	631 613	631 615
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR-DD 090	pralux®	3631 602	3631 604	3631 606
Polycarbonate, clear, internal ribbing, DLL	Ø 26	PSR-MAK-IG-DLR-DD 081	Standard	631 602	631 604	631 606
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR-DD 090	pralux®	3631 612	3631 614	3631 616
Polycarbonate, clear, DLL	Ø 26	PSR-MAK-DLR-DD 081	Standard	631 612	631 614	631 616
Specular reflector 090 wide-beam, for system Herkules with push-fit lampholder DD with centering and retaining springs made of stainless steel						
prachtopal® , impact-resistant	Ø 26	HLR-Breit-PLEX-PO-DD 090	pralux®	631 241	631 243	631 245
Acrylic glass, clear	Ø 26	HLR-Breit-PLEX-DD 090	pralux®	631 231	631 233	631 235
Polycarbonate, clear	Ø 26	HLR-Breit-MAK-DD 090	pralux®	631 431	631 433	631 435
Specular reflector 090 wide-beam with internal cross blade louvers, white, with centering and retaining springs made of stainless steel						
Acrylic glass, clear CBL	Ø 26	HLR-Breit-PLEX-DD-QLR 090	pralux®	631 331	631 333	631 335
Polycarbonate, clear CBL	Ø 26	HLR-Breit-MAK-DD-QLR 090	pralux®	631 531	631 533	631 535
Specular reflector 090 wide-beam with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel						
Acrylic glass, clear DLL	Ø 26	HLR-Breit-PLEX-DD-DLR 090	pralux®	631 851	631 853	631 855
Polycarbonate, clear DLL	Ø 26	HLR-Breit-MAK-DD-DLR 090	pralux®	631 861	631 863	631 865
Specular reflector 090 narrow-beam, for system Herkules with push-fit lampholder DD with centering and retaining springs made of stainless steel						
prachtopal® , impact-resistant	Ø 26	HLR-Tief-PLEX-PO-DD 090	pralux®	631 441	631 443	631 445
Acrylic glass, clear	Ø 26	HLR-Tief-PLEX-DD 090	pralux®	630 101	630 103	630 105
Polycarbonate, clear	Ø 26	HLR-Tief-MAK-DD 090	pralux®	630 401	630 403	630 405
Lamp cover, luminaire Jura, round tube cover						
Round tube cover PMMA	Ø 26	RRA 90-PLEX		620 551	620 553	620 555
Round tube cover PC	Ø 26	RRA 90-MAK		620 651	620 653	620 655
Dark-light louver, mirrored		DLR		upon request	upon request	upon request
Perforated plate reflector		LOBL (indicate share of holes in %)		upon request	upon request	upon request
Luminaire protective tube for T8/26 mm luminaires						
Acrylic glass, clear Ø 38 mm	Ø 26	LS-PLEX-DD-T8		613 322	613 324	613 327
Polycarbonate, clear, Ø 38 mm	Ø 26	LS-MAK-DD-T8		623 322	623 324	623 326
Acrylic glass, clear Ø 50 mm	Ø 26	LS-PLEX-DD-T8		623 112	623 114	623 116
Polycarbonate, clear, Ø 50 mm	Ø 26	LS-MAK-DD-T8		613 312	613 314	613 316
Polycarbonate, clear, internal ribbing, Ø 50 mm	Ø 26	LS-MAK-IG-DD-T8		623 312	623 314	623 316
Internal specular reflector for LS-tube Ø 50 mm for T8/26 mm luminaires						
Internal specular reflector, Ø 38 mm	Ø 26	HIR-T8/26-38		692 003	692 004	692 005
Internal specular reflector, Ø 50 mm	Ø 26	HIR-T8/26-50		692 012	692 014	692 016



System Luminaire Apollo T5

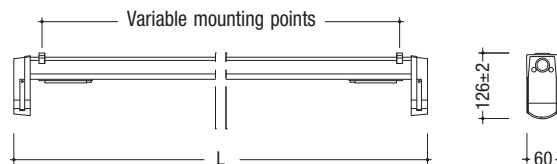
for FL T5/16 mm

with push-fit lampholder, single-lamp
Only supplied with accessories on page 55!

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBTP, impact-resistant, with stainless steel clip.
Socket: Two-slot plug-in sockets.
Lamp cover: To be supplemented with accessories on page 55!
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast; through-wiring max. 7x2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz
Caution! Note burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	2x1.5 mm ²	4x1.5 mm ²	El. bal. Industr. 4x1.5 mm ²	L	Weight	
		Art.-No.	Art.-No.	Art.-No.		(mm)	(kg)
Luminaire for individual and continuous mounting with electronic ballasts, two connection covers and through-wiring, with one-piece push-fit lampholders – T5							
PPR DD T5 21./41 (HE)	1 x 14	5165 523	5170 523			597±2	1.8
PPR DD T5 21./43 (HE)	1 x 21	5165 253	5170 253			897±2	2.2
PPR DD T5 21./45 (HE)	1 x 28	5165 823	5170 823			1197±2	2.7
PPR DD T5 21./47 (HE)	1 x 35	5165 983	5170 983			1497±2	3.7
PPR DD T5 21./21 (HO)	1 x 24	5165 513	5170 513			597±2	1.8
PPR DD T5 21./23 (HO)	1 x 39	5165 743	5170 743			897±2	2.2
PPR DD T5 21./25 (HO)	1 x 54	5165 873	5170 873	5170 876		1197±2	2.7
PPR DD T5 21./27 (HO)	1 x 49	5165 923	5170 923	5170 926		1497±2	3.7
PPR DD T5 21./29 (HO)	1 x 80	5165 973	5170 973	5170 976		1497±2	3.7

Further ballast units for improved efficiency	Watt	El. bal. Multiwatt	El. bal. DIM 1–10 V	El. bal. DIM-DALI	L	Weight	
		Art.-No.	Art.-No.	Art.-No.		(mm)	(kg)
Through-wiring		3x1.5 mm²	3x1.5 + 2x1.5 mm²	3x1.5 + 2x1.5 mm²			
PPR DD T5	1 x 14/24	5165 522	5165 524	5165 525	597±2	1.8	
PPR DD T5	1 x 21/39	5165 742	5165 744	5165 745	897±2	2.2	
PPR DD T5	1 x 28/54	5165 822	5165 824	5165 825	1197±2	2.7	
PPR DD T5	1 x 35/49/80	5165 982	5165 984	5165 985	1497±2	3.7	
Through-wiring		5x1.5 mm²	5x1.5 + 2x1.5 mm²	5x1.5 + 2x1.5 mm²			
PPR DD T5	1 x 14/24	5170 522	5170 524	5170 525	597±2	2.0	
PPR DD T5	1 x 21/39	5170 742	5170 744	5170 745	897±2	2.2	
PPR DD T5	1 x 28/54	5170 822	5170 824	5170 825	1197±2	2.9	
PPR DD T5	1 x 35/49/80	5170 982	5170 984	5170 985	1497±2	3.9	
Also for special applications like the automotive industry, for example – non-silicone designs optional		685 009					
Maintenance-friendly XXL cover, L = 360 mm		692 210					
Cable entry at the side		691 150					
Cable entry at the ceiling side		691 151					
RAL colours available at extra cost							

*For versions with electronic ballast: Identification ∇
Luminaires must be operated with covers in place!

Areas of application: Lighted ceilings, industrial halls, storage areas, maintenance halls, when high levels are needed, logistics centers, bus garages, public transport, food industry, beverage industry, dairy operations.



Luminaire Apollo T5 with push-fit lampholder, Ø38 mm.



Captive press-fit cover, super fast maintenance owing to stainless steel press-fit cover clips.

Accessories for the Apollo DD T5 system luminaire single-lamp

for FL T5/16 mm, with push-fit lampholder, single-lamp; with **pralux®** resp. **standard** reflectors

Highly efficient reflectors for system luminaire Apollo DD T5 with centering and retaining springs made of stainless steel for T5 push-fit lampholders



Utmost energy efficiency owing to modern **pralux®** engineering!

Designation	Type	Reflector type	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
			Art.-No.	Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflectors for system Apollo DD T5/16 mm, all-round distribution, with centering and retaining springs made of stainless steel for push-fit lampholders						
prachtopal® , impact-resistant	PSR-PLEX-PO-DD-T5 099	pralux®	3610 602	3610 604	3610 606	3610 608
prachtopal® , impact-resistant	PSR-PLEX-PO-DD-T5 090	Standard	5610 601	5610 603	5610 605	5610 607
Acrylic glass, clear, internal ribbing	PSR-PLEX-IG-DD-T5 099	pralux®	3631 202	3631 204	3631 206	3631 208
Acrylic glass, clear, internal ribbing	PSR-PLEX-IG-DD-T5 090	Standard	5631 202	5631 204	5631 206	5631 208
Acrylic glass, clear	PSR-PLEX-DD-T5 099	pralux®	3631 212	3631 214	3631 216	3631 218
Acrylic glass, clear	PSR-PLEX-DD-T5 090	Standard	5631 212	5631 214	5631 216	5631 218
Polycarbonate, clear, internal ribbing	PSR-MAK-IG-DD-T5 099	pralux®	3631 302	3631 304	3631 306	3631 308
Polycarbonate, clear, internal ribbing	PSR-MAK-IG-DD-T5 090	Standard	5631 302	5631 304	5631 306	5631 308
Polycarbonate, clear	PSR-MAK-DD-T5 099	pralux®	3631 312	3631 314	3631 316	3631 318
Polycarbonate, clear	PSR-MAK-DD-T5 090	Standard	5631 312	5631 314	5631 316	5631 318
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, CBL	PSR-PLEX-QLR-DD-T5 099	pralux®	3631 412	3631 414	3631 416	3631 418
Acrylic glass, clear, CBL	PSR-PLEX-QLR-DD-T5 090	Standard	5631 412	5631 414	5631 416	5631 418
Polycarbonate, clear, CBL	PSR-MAK-QLR-DD-T5 099	pralux®	3631 512	3631 514	3631 516	3631 518
Polycarbonate, clear, CBL	PSR-MAK-QLR-DD-T5 090	Standard	5631 512	5631 514	5631 516	5631 518
with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, DLL	PSR-PLEX-DLR-DD-T5 099	pralux®	3631 311	3631 313	3631 315	3631 317
Acrylic glass, clear, DLL	PSR-PLEX-DLR-DD-T5 090	Standard	5631 311	5631 313	5631 315	5631 317
Polycarbonate, clear, DLL	PSR-MAK-DLR-DD-T5 099	pralux®	3631 612	3631 614	3631 616	3631 618
Polycarbonate, clear, DLL	PSR-MAK-DLR-DD-T5 090	Standard	5631 612	5631 614	5631 616	5631 618
Specular reflectors for system Apollo DD T5/16 mm, wide-beam, with centering and retaining springs made of stainless steel for push-fit lampholders						
prachtopal® Acrylic glass, impact-res.	HLR-Breit-PLEX-PO-DD-T5 099	pralux®	5614 602	5614 604	5614 606	5614 608
Acrylic glass, clear	HLR-Breit-PLEX-DD-T5 099	pralux®	5631 232	5631 234	5631 236	5631 238
Polycarbonate, clear	HLR-Breit-MAK-DD-T5 099	pralux®	5631 432	5631 434	5631 436	5631 438
Specular reflectors, wide-beam, with centering and retaining springs made of stainless steel for push-fit lampholders with internal prisms upon request						
Acrylic glass, clear, Internal prisms	HLR-Breit-PLEX-PRIS-DD-T5	pralux®	5631 201	5631 203	5631 205	5631 207
Polycarbonate, clear, Internal prisms	HLR-Breit-MAK-PRIS-DD-T5	pralux®	5631 301	5631 303	5631 305	5631 307
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, CBL	HLR-Breit-PLEX-QLR-DD-T5	pralux®	5631 411	5631 413	5631 415	5631 417
Polycarbonate, clear, CBL	HLR-Breit-MAK-QLR-DD-T5	pralux®	5631 511	5631 513	5631 515	5631 517
with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, DLL	HLR-Breit-PLEX-DLR-DD-T5	pralux®	5631 611	5631 613	5631 615	5631 617
Polycarbonate, clear, DLL	HLR-Breit-MAK-DLR-DD-T5	pralux®	5631 711	5631 713	5631 715	5631 717
Specular reflectors for system Apollo DD T5/16 mm, narrow-beam, with centering and retaining springs made of stainless steel for push-fit lampholders						
prachtopal® , impact-resistant	HLR-Tief-PLEX-PO-DD-T5 099	pralux®	5630 601	5630 603	5630 605	5630 607
Acrylic glass, clear	HLR-Tief-PLEX-DD-T5 099	pralux®	5630 102	5630 104	5630 106	5630 108
Polycarbonate, clear	HLR-Tief-MAK-DD-T5 099	pralux®	5630 402	5630 404	5630 406	5630 408
Luminaire protective tube Ø 38 mm for T5/16 mm luminaires						
Polycarbonate, clear	LS-MAK-DD-T5/16		5613 312	5613 314	5613 316	5613 318
Polycarbonate, clear, internal ribbing	LS-MAK-IG-DD-T5/16		5623 312	5623 314	5623 316	5623 318
Internal specular reflector for fluorescent tube Ø 38 mm for T5/16 mm luminaires						
Internal specular reflector	HIR-T5/16-38		5691 002	5691 004	5691 006	5691 008
Perforated plate reflector	LOBL (indicate share of holes in %)		upon request	upon request	upon request	upon request
RAL colours available at extra cost						



Elegant, T5/16 mm continuous mounting luminaire with specular reflectors.



Apollo DD T5/16 mm with specular reflector und mirrored ring dark light louvers (HLR-DLL), single-lamp design.



System Luminaire Apollo T5

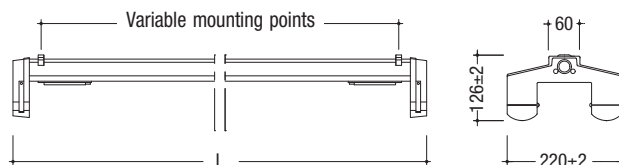
for FL T5/16 mm
with push-fit lampholder, twin-lamp

Only supplied with accessories on page 57!

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBTP, impact-resistant, with stainless steel clip.
Socket: Two-slot plug-in sockets.
Lamp cover: To be supplemented with accessories on page 57!
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast; through-wiring max. 7x2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz
Caution! Note burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	2x1.5 mm ²	4x1.5 mm ²	Industry EBal. 4x1.5 mm ²	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire for individual and continuous mounting with electronic ballast, two connection covers and through-wiring, with one-piece push-fit lampholders – T5						
PPR DD T5 21./42 (HE)	2 x 14	5165 543	5170 543		597±2	2.4
PPR DD T5 21./44 (HE)	2 x 21	5165 243	5170 243		897±2	2.8
PPR DD T5 21./46 (HE)	2 x 28	5165 293	5170 293		1197±2	3.5
PPR DD T5 21./48 (HE)	2 x 35	5165 933	5170 933		1497±2	4.6
PPR DD T5 21./22 (HO)	2 x 24	5165 533	5170 533		597±2	2.4
PPR DD T5 21./24 (HO)	2 x 39	5165 763	5170 763		897±2	2.8
PPR DD T5 21./26 (HO)	2 x 54	5165 893	5170 893	5170 896	1197±2	3.5
PPR DD T5 21./28 (HO)	2 x 49	5165 943	5170 943	5170 946	1497±2	4.6
PPR DD T5 21./30 (HO)	2 x 80	5165 993	5170 993	5170 996	1497±2	4.6

Further ballast units for efficient illumination	Watt	EI. bal. Multiwatt	EI. bal. DIM 1–10 V	EI. bal. DIM-DALI	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Through-wiring 3x1.5 mm²						
PPR DD T5	2 x 14/24	5165 542	5165 544	5165 545	597±2	2.4
PPR DD T5	2 x 21/39	5165 242	5165 244	5165 245	897±2	2.8
PPR DD T5	2 x 28/54	5165 292	5165 294	5165 295	1197±2	3.5
PPR DD T5	2 x 35/49/80	5165 932	5165 934	5165 935	1497±2	4.6
Through-wiring 5x1.5 mm²						
PPR DD T5	2 x 14/24	5170 542	5170 544	5170 545	597±2	2.6
PPR DD T5	2 x 21/39	5170 242	5170 244	5170 245	897±2	3.0
PPR DD T5	2 x 28/54	5170 292	5170 294	5170 295	1197±2	3.7
PPR DD T5	2 x 35/49/80	5170 932	5170 934	5170 935	1497±2	4.8
Also for special applications like the automotive industry, for example – non-silicone designs optional		685 009				
Maintenance-friendly XXL cover, L = 360 mm		692 210				
Cable entry at the side		691 150				
Cable entry at the ceiling side		691 151				
RAL colours available at extra cost						

*For versions with electronic ballast: Identification Luminaires must be operated with covers in place!

Areas of application: Lighted ceilings, industrial halls, storage areas, maintenance halls, when high levels are needed, logistics centers, bus garages, public transport, food industry, beverage industry, dairy operations.



Low-maintenance connection compartment due to XXL cover, L = 360 mm.



Apollo DD T5/16 mm twin-lamp, stainless steel clip, hinged press-fit cover.

Accessories for the Apollo DD T5 system luminaire twin-lamp

for FL T5/16 mm, with push-fit lampholder, twin-lamp; with **pralux**® resp. standard reflectors.
Please note when ordering: Two covers are necessary permanent luminaire!

Specular reflectors for system luminaire Apollo DD T5 with centering and retaining springs made of stainless steel for T5 push-fit lampholders

Ultmost energy efficiency owing to modern **pralux**® engineering!



LED variants see page 91.

Designation	Type	Reflector version	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
			Art.-No.	Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflectors for system Apollo DD T5/16 mm, all-round distribution, with centering and retaining springs made of stainless steel for push-fit lampholders						
prachtopal ®, impact-resistant	PSR-PLEX-PO-DD-T5 099	pralux ®	3610 602	3610 604	3610 606	3610 608
prachtopal ®, impact-resistant	PSR-PLEX-PO-DD-T5 090	Standard	5610 601	5610 603	5610 605	5610 607
Acrylic glass, clear, internal ribbing	PSR-PLEX-IG-DD-T5 099	pralux ®	3631 202	3631 204	3631 206	3631 208
Acrylic glass, clear, internal ribbing	PSR-PLEX-IG-DD-T5 090	Standard	5631 202	5631 204	5631 206	5631 208
Acrylic glass, clear	PSR-PLEX-DD-T5 099	pralux ®	3631 212	3631 214	3631 216	3631 218
Acrylic glass, clear	PSR-PLEX-DD-T5 090	Standard	5631 212	5631 214	5631 216	5631 218
Polycarbonate, clear, internal ribbing	PSR-MAK-IG-DD-T5 099	pralux ®	3631 302	3631 304	3631 306	3631 308
Polycarbonate, clear, internal ribbing	PSR-MAK-IG-DD-T5 090	Standard	5631 302	5631 304	5631 306	5631 308
Polycarbonate, clear	PSR-MAK-DD-T5 099	pralux ®	3631 312	3631 314	3631 316	3631 318
Polycarbonate, clear	PSR-MAK-DD-T5 090	Standard	5631 312	5631 314	5631 316	5631 318
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel for push-fit lampholders						
acrylic glass, clear, CBL	PSR-PLEX-QLR-DD-T5 099	pralux ®	3631 412	3631 414	3631 416	3631 418
acrylic glass, clear, CBL	PSR-PLEX-QLR-DD-T5 090	Standard	5631 412	5631 414	5631 416	5631 418
Polycarbonate, clear, CBL	PSR-MAK-QLR-DD-T5 099	pralux ®	3631 512	3631 514	3631 516	3631 518
Polycarbonate, clear, CBL	PSR-MAK-QLR-DD-T5 090	Standard	5631 512	5631 514	5631 516	5631 518
with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, DLL	PSR-PLEX-DLR-DD-T5 099	pralux ®	3631 311	3631 313	3631 315	3631 317
Acrylic glass, clear, DLL	PSR-PLEX-DLR-DD-T5 090	Standard	5631 311	5631 313	5631 315	5631 317
Polycarbonate, clear, DLL	PSR-MAK-DLR-DD-T5 099	pralux ®	3631 612	3631 614	3631 616	3631 618
Polycarbonate, clear, DLL	PSR-MAK-DLR-DD-T5 090	Standard	5631 612	5631 614	5631 616	5631 618
Specular reflectors for system Apollo DD T5/16 mm, wide-beam, with centering and retaining springs made of stainless steel for push-fit lampholders						
prachtopal ® Acrylic glass, impact-res.	HLR-Breit-PLEX-PO-DD-T5 099	pralux ®	5614 602	5614 604	5614 606	5614 608
Acrylic glass, clear	HLR-Breit-PLEX-DD-T5 099	pralux ®	5631 232	5631 234	5631 236	5631 238
Polycarbonate, clear	HLR-Breit-MAK-DD-T5 099	pralux ®	5631 432	5631 434	5631 436	5631 438
Specular reflectors, wide-beam, with centering and retaining springs made of stainless steel for push-fit lampholders with internal prisms upon request						
Acrylic glass, clear, Internal prisms	HLR-Breit-PLEX-PRIS-DD-T5	pralux ®	5631 201	5631 203	5631 205	5631 207
Polycarbonate, clear, Internal prisms	HLR-Breit-MAK-PRIS-DD-T5	pralux ®	5631 301	5631 303	5631 305	5631 307
with internal cross blade louvers, white, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, CBL	HLR-Breit-PLEX-QLR-DD-T5	pralux ®	5631 411	5631 413	5631 415	5631 417
Polycarbonate, clear, CBL	HLR-Breit-MAK-QLR-DD-T5	pralux ®	5631 511	5631 513	5631 515	5631 517
with mirrored internal ring dark-light louvers, with centering and retaining springs made of stainless steel for push-fit lampholders						
Acrylic glass, clear, DLL	HLR-Breit-PLEX-DLR-DD-T5	pralux ®	5631 611	5631 613	5631 615	5631 617
Polycarbonate, clear, DLL	HLR-Breit-MAK-DLR-DD-T5	pralux ®	5631 711	5631 713	5631 715	5631 717
Specular reflectors for system Apollo DD T5/16 mm, narrow-beam, with centering and retaining springs made of stainless steel for push-fit lampholders						
prachtopal ®, impact-resistant	HLR-Tief-PLEX-PO-DD-T5 099	pralux ®	5630 601	5630 603	5630 605	5630 607
Acrylic glass, clear	HLR-Tief-PLEX-DD-T5 099	pralux ®	5630 102	5630 104	5630 106	5630 108
Polycarbonate, clear	HLR-Tief-MAK-DD-T5 099	pralux ®	5630 402	5630 404	5630 406	5630 408
Luminaire protective tube Ø 38 mm for T5/16 mm luminaires						
Polycarbonate, clear	LS-MAK-DD-T5/16		5613 312	5613 314	5613 316	5613 318
Polycarbonate, clear, internal ribbing	LS-MAK-IG-DD-T5/16		5623 312	5623 314	5623 316	5623 318
Internal specular reflector for fluorescent tube Ø 38 mm for T5/16 mm luminaires						
Internal specular reflector	HIR-T5/16-38		5691 002	5691 004	5691 006	5691 008
Perforated plate reflector	LOBL (indicate share of holes in %)		upon request	upon request	upon request	upon request
RAL colours available at extra cost						



Apollo DD T5/16 mm with specular reflector and white cross blade louvers (HLR-CBL), twin-lamp design.



Apollo DD T5/16 mm with specular reflector and mirrored ring dark light louvers (HLR-DLR), twin-lamp design.



Slim system Luminaire Apollo HOL T5

for FL T5/16 mm

with slim push-fit lampholder,

single-lamp

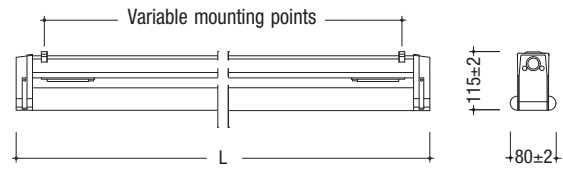
Utmost energy efficiency owing to modern **pralux®** engineering!

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece slim push-fit lampholder end pieces made of PBTP, impact-resistant, with stainless steel clip.
Socket: Two-slot plug-in socket, with mechanically arrestable adjustment range for the reflector
Lamp cover: narrow and wide beam, **pralux®**, specular reflectors.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, through-wiring max. 7x2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz
 *applied for

Caution! Note burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	High efficiency (HE) EBal.	Watt	High output (HO) EBal.	L (mm)	Weight (kg)
		Art.-No.		Art.-No.		
Luminaire for individual and continuous mounting with narrow-beam specular reflector made of polycarbonate (PC), through-wiring 2x1.5 mm²						
PPR DD T5 212../ HLR-TIEF HOL	1 x 14	5425 523	1 x 24	5425 513	597±2	1.8
PPR DD T5 212../ HLR-TIEF HOL	1 x 21	5425 253	1 x 39	5425 743	897±2	2.2
PPR DD T5 212../ HLR-TIEF HOL	1 x 28	5425 823	1 x 54	5425 873	1197±2	2.7
PPR DD T5 212../ HLR-TIEF HOL	1 x 35	5425 983	1 x 49	5425 923	1497±2	3.7
PPR DD T5 212../ HLR-TIEF HOL			1 x 80	5425 973	1497±2	3.7
Luminaire for individual and continuous mounting with wide-beam specular reflector made of polycarbonate (PC), through-wiring 2x1.5 mm²						
PPR DD T5 212../ HLR-BREIT HOL	1 x 14	5420 523	1 x 24	5420 513	597±2	1.9
PPR DD T5 212../ HLR-BREIT HOL	1 x 21	5420 253	1 x 39	5420 743	897±2	2.3
PPR DD T5 212../ HLR-BREIT HOL	1 x 28	5420 823	1 x 54	5420 873	1197±2	2.8
PPR DD T5 212../ HLR-BREIT HOL	1 x 35	5420 983	1 x 49	5420 923	1497±2	3.8
PPR DD T5 212../ HLR-BREIT HOL			1 x 80	5420 973	1497±2	3.8
Luminaire for continuous mounting with narrow-beam specular reflector made of polycarbonate (PC), through-wiring 4x1.5 mm²						
PPR DD T5 214../ HLR-TIEF HOL	1 x 14	5427 523	1 x 24	5427 513	597±2	1.8
PPR DD T5 214../ HLR-TIEF HOL	1 x 21	5427 253	1 x 39	5427 743	897±2	2.2
PPR DD T5 214../ HLR-TIEF HOL	1 x 28	5427 823	1 x 54	5427 873	1197±2	2.7
PPR DD T5 214../ HLR-TIEF HOL	1 x 35	5427 983	1 x 49	5427 923	1497±2	3.7
PPR DD T5 214../ HLR-TIEF HOL			1 x 80	5427 973	1497±2	3.7
Luminaire for continuous mounting with wide-beam specular reflector made of polycarbonate (PC), through-wiring 4x1.5 mm²						
PPR DD T5 214../ HLR-BREIT HOL	1 x 14	5422 523	1 x 24	5422 513	597±2	1.9
PPR DD T5 214../ HLR-BREIT HOL	1 x 21	5422 253	1 x 39	5422 743	897±2	2.3
PPR DD T5 214../ HLR-BREIT HOL	1 x 28	5422 823	1 x 54	5422 873	1197±2	2.8
PPR DD T5 214../ HLR-BREIT HOL	1 x 35	5422 983	1 x 49	5422 923	1497±2	3.8
PPR DD T5 214../ HLR-BREIT HOL			1 x 80	5422 973	1497±2	3.8
Extra cost:						
Electronic ballast Dim 1-10V		685 004				
Electronic ballast Dim Dali		685 005				
Electronic ballast Industry			49/54/80	685 006		
Non-silicone design		685 009				

*For versions with electronic ballast: Identification ▽
 Luminaires must be operated with covers in place!

Areas of application: Industrial and public transport facilities with low installation heights.



Adjustment range with catch, stainless steel clip and retaining strap for flat press-fit cover.



Honeycomb louvers available upon request.



Extreme adjustment range, simplified lamp replacement through retaining strap.

System Luminaire Rimberg T5

for FL T5/16 mm

with push-fit lampholders,

single- and twin-lamp

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: Single-part press-fit socket end pieces made of PBTP.

Socket: Two-slot plug-in socket.

Lamp cover: Elegant, clear cover made of impact-resistant PC, with internal prisms, with stainless steel clip.

Seals: Short, age-resistant silicone seals.

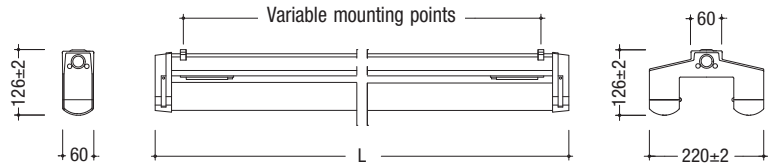
Electrical components: Electronic ballast; industry electronic ballast (extra cost) through-wiring to max. 7x2.5 mm².

Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz

Caution! Note burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	High efficiency (HE) EBal.		Watt	High output (HO) EBal.		L (mm)	Weight (kg)
		Art.-No.			Art.-No.			
Luminaire RIMBERG T5, FL cover made of impact-resistant polycarbonate (PC), clear with internal prisms, through-wiring 2 x 1.5 mm²								
PPR DD T5 212/.. / VKR-MAK-IG	1 x 14	5401 103		1 x 24	5401 513		597±2	2.2
PPR DD T5 212/.. / VKR-MAK-IG	1 x 21	5401 233		1 x 39	5401 743		897±2	2.8
PPR DD T5 212/.. / VKR-MAK-IG	1 x 28	5401 363		1 x 54	5401 873		1197±2	3.3
PPR DD T5 212/.. / VKR-MAK-IG	1 x 35	5401 433		1 x 49	5401 923		1497±2	3.9
PPR DD T5 212/.. / VKR-MAK-IG				1 x 80	5401 973		1497±2	3.9
PPR DD T5 212/.. / VKR-MAK-IG	2 x 14	5401 133		2 x 24	5401 533		597±2	2.5
PPR DD T5 212/.. / VKR-MAK-IG	2 x 21	5401 263		2 x 39	5401 763		897±2	3.2
PPR DD T5 212/.. / VKR-MAK-IG	2 x 28	5401 403		2 x 54	5401 893		1197±2	3.6
PPR DD T5 212/.. / VKR-MAK-IG	2 x 35	5401 463		2 x 49	5401 943		1497±2	4.9
PPR DD T5 212/.. / VKR-MAK-IG				2 x 80	5401 993		1497±2	4.9
*For versions with electronic ballast: Identification ↓ Luminaires must be operated with covers in place!								
Extra cost:								
Electronic ballast Dim 1–10V		685 004						
Electronic ballast Dim Dali		685 005						
Electronic ballast Industry				49/54/80	685 006			
Non-silicone design		685 009						

Extra cost for through-wiring	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
	Art.-No.	Art.-No.	Art.-No.	Art.-No.
Through-wiring 4 x 1.5 mm ² = 10A	691 114	691 214	691 314	691 514
Through-wiring 4 x 2.5 mm ² = 16A	691 124	691 224	691 324	691 524

Areas of application: Parking garages, ramp illumination, public transport areas, swimming pools, stadiums, awnings.



Maintenance-friendly connection compartment owing to XXL cover L = 360 mm. Additional item: XXL cover: 692 210, extra cost.



Captive press-fit cover, super fast maintenance owing to stainless steel press-fit cover clips.



System luminaire Apollo SR T5

for FL T5/16 mm

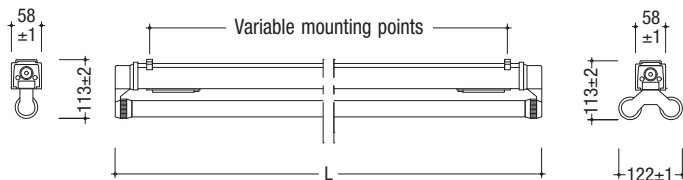
single- and twin-lamp,
with threaded ring lampholders

Housing: Slim, elegant, fully sealed luminaire housing made of white, fibreglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: Clip-on socket end pieces made of impact-resistant synthetic material.
Socket: Two-slot plug-in socket.
Lamp cover: Batten luminaire, can be supplemented with accessories.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast; through-wiring to max. 4 x 2.5 mm².
Installation: Variable mounting points with Pracht Clip System made of stainless steel. Suitable for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

Caution! Note burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt		High efficiency (HE) EBal.		Watt		High output (HO) EBal.		L (mm)	Weight (kg)
			Art.-No.				Art.-No.			
Luminaire for individual and continuous mounting with electronic ballast, two connection covers and through-wiring 2 x 1.5 mm²										
PPR SR T5 212/..	1 x 14		5165 143		1 x 24		5165 103		597±2	1.8
PPR SR T5 212/..	1 x 21		5165 213		1 x 39		5165 233		897±2	2.2
PPR SR T5 212/..	1 x 28		5165 283		1 x 54		5165 363		1197±2	2.7
PPR SR T5 212/..	1 x 35		5165 353		1 x 49		5165 433		1497±2	3.7
PPR SR T5 212/..					1 x 80		5165 503		1497±2	3.7
PPR SR T5 212/..	2 x 14		5165 163		2 x 24		5165 133		597±2	2.4
PPR SR T5 212/..	2 x 21		5165 223		2 x 39		5165 263		897±2	2.8
PPR SR T5 212/..	2 x 28		5165 303		2 x 54		5165 403		1197±2	3.5
PPR SR T5 212/..	2 x 35		5165 373		2 x 49		5165 463		1497±2	4.6
PPR SR T5 212/..					2 x 80		5165 553		1497±2	4.6
Luminaire for continuous mounting with electronic ballast, two connection covers and through-wiring 4 x 1.5 mm²										
PPR SR T5 214/..	1 x 14		5170 143		1 x 24		5170 103		597±2	1.9
PPR SR T5 214/..	1 x 21		5170 213		1 x 39		5170 233		897±2	2.3
PPR SR T5 214/..	1 x 28		5170 283		1 x 54		5170 363		1197±2	2.8
PPR SR T5 214/..	1 x 35		5170 353		1 x 49		5170 433		1497±2	3.8
PPR SR T5 214/..					1 x 80		5170 503		1497±2	3.8
PPR SR T5 214/..	2 x 14		5170 163		2 x 24		5170 133		597±2	2.4
PPR SR T5 214/..	2 x 21		5170 223		2 x 39		5170 263		897±2	2.8
PPR SR T5 214/..	2 x 28		5170 303		2 x 54		5170 403		1197±2	3.5
PPR SR T5 214/..	2 x 35		5170 373		2 x 49		5170 463		1497±2	4.6
PPR SR T5 214/..					2 x 80		5170 553		1497±2	4.6
Extra cost:										
Electronic ballast Dim 1-10V			685 004							
Electronic ballast Dim Dali			685 005							
Electronic ballast Industrie					49/54/80		685 006			
Non-silicone design			685 009							

*For versions with electronic ballast: Identification Luminares must be operated with covers in place!

Accessories for the Apollo SR T5/16 mm Luminaire protective tube with adapter	Type	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
		Art.-No.	Art.-No.	Art.-No.	Art.-No.
Polycarbonate, clear, OD = 38 mm	LS-MAK-T5	5613 311	5613 313	5613 315	5613 317
Polycarbonate, clear, int. ribbing, OD = 38 mm	LS-MAK-IG-T5	5623 311	5623 313	5623 315	5623 317
Threaded ring for batten luminaire Ø 16 FL	SR 26/16-T5	5691 051			
Threaded ring for lum. prot. tube Ø 38 mm	SR 26/38-T5	5691 057			



Apollo threaded ring lampholder, twin-lamp for T5/16 mm fluorescent lamps and protective tubes.



Low-maintenance XXL cover for T5/16 electronic ballasts, Art.-No. 692 210, Extra cost upon request!

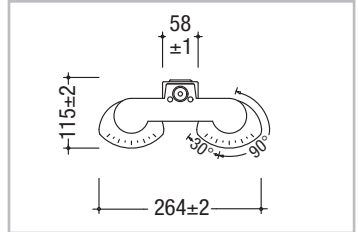
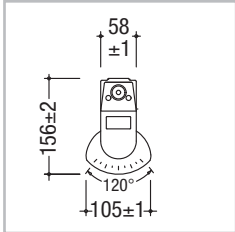
Dimensional drawings, adjusting ranges and variants Apollo lines T5/16 mm and T8/26 mm with reflectors

with screw ring (SR) or push-fit lampholders (DD)

Apollo single-lamp with parabolic mirror reflector/specular reflector

Figures

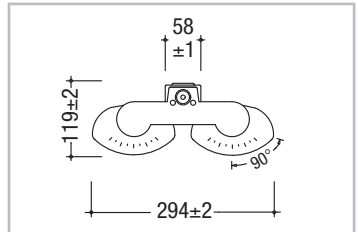
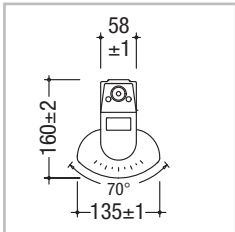
Apollo single- and twin-lamp with parabolic mirror reflector/specular reflector



Apollo SR T8/26 mm with parabolic mirror reflector

Single-lamp luminaire **Apollo SR T8/26 mm** with parabolic mirror reflector, internal ribbing.

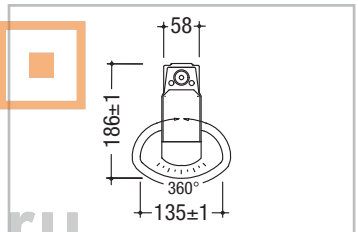
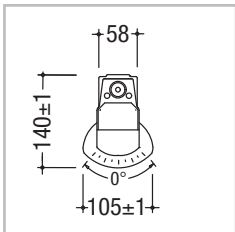
Apollo SR T8/26 mm with parabolic mirror reflector



Apollo SR T8/26 mm with specular reflector

Twin-lamp luminaire **Apollo SR T8/26 mm** with specular reflector, clear.

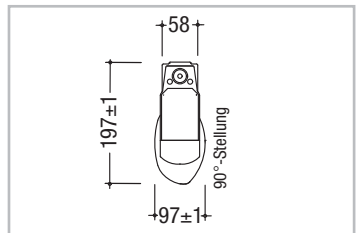
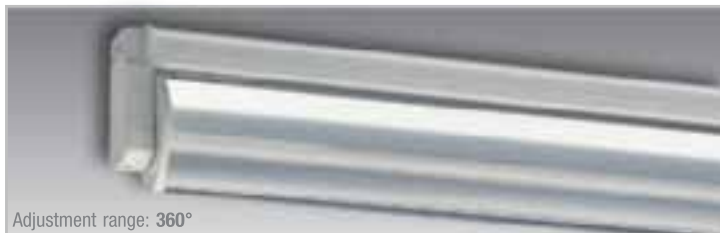
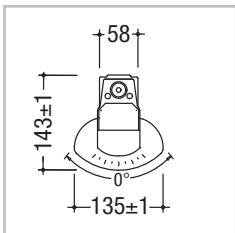
Apollo SR T8/26 mm with specular reflector



Apollo DDF T8/26 mm with specular reflector

Single-lamp luminaire **Apollo DDF T8/26 mm** with parabolic mirror reflector, clear.

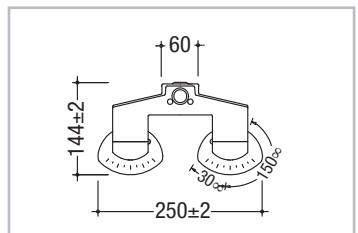
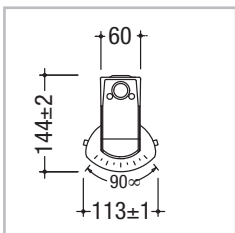
Apollo DDH T8/26 mm with parabolic mirror reflector



Apollo DDF T8/26 mm with specular reflector

Single-lamp luminaire **Apollo DDH T8/26 mm** with specular reflector, clear, rotated 90°.

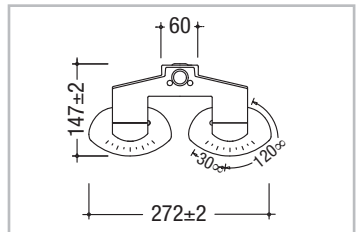
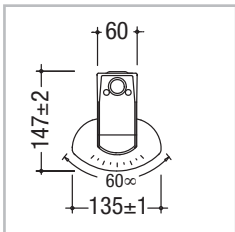
Apollo DDH T8/26 mm with specular reflector rotated 90°



Apollo DD T5/16 mm with parabolic mirror reflector

Twin-lamp luminaire **Apollo DD T5/16 mm** with PSR/QLR, clear.


Apollo DD T5/16 mm with parabolic mirror reflector



Apollo DD T5/16 mm with specular reflector

Single-lamp luminaire **Apollo DD T5/16 mm** with specular reflector, clear; continuous mounting arrangement.

Apollo DD T5/16 mm with specular reflector



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Tubular luminaires

Your advantages

- Shapely
- High ingress protection IP68 /69 K
- Space-saving
- Short seals
- Variable mounting points

Areas of application

- Industry and car washes
- Architectural lighting
- Food industry
- Maintenance pits
- Drinking water supply



Pracht

01 Batten luminaires
with reflectors

02 Tubular
luminaires

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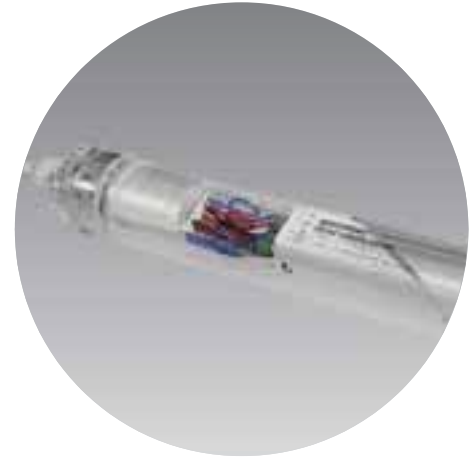
www.modulelectro.ru

Product Advantages Tinos Line IP68/IP69K

Depths down to 25 m

- Through-wiring max. 7x1.5 mm²
- Dimmable electronic ballast for T5/16 and T8/26

- Easy maintenance
- Captive ring seal
- Easy mains connection with standard quality plug-in terminal

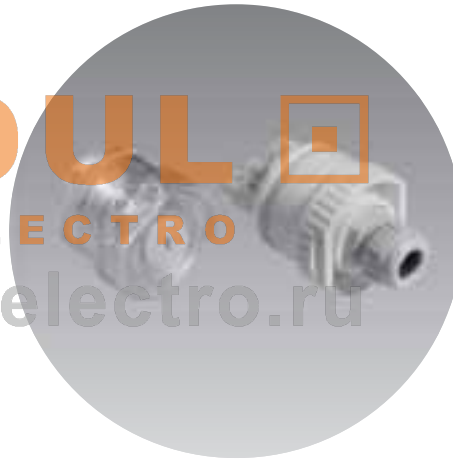


- Bayonet fix ends for ease of installation, either white or clear
- Centre threaded joint IP68

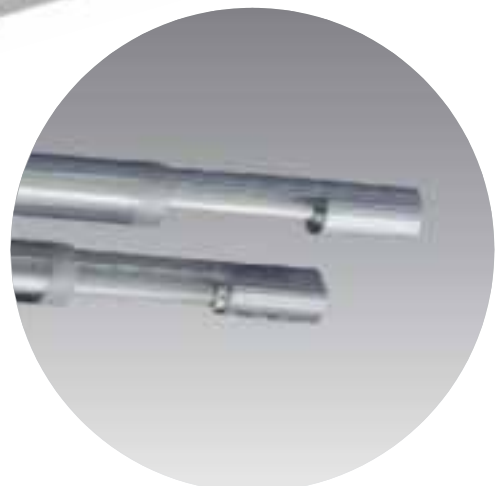
- Easily installed pendant luminaire

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- T8 and T5 versions

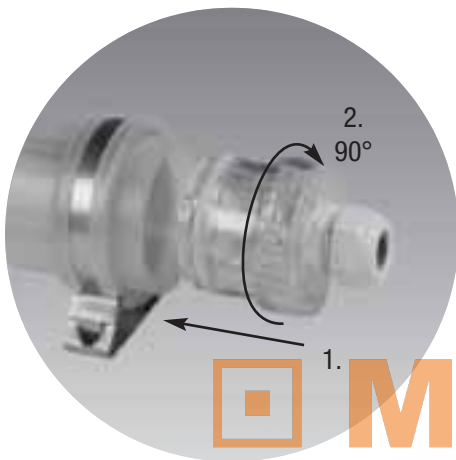


Product Advantages Tinos Line IP68/IP69K

Depths down to 25 m



- Quick lock with 90 degree turn



- Easy lamp replacement via spring loaded socket



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- Cable pendant suspension for Tinos luminaire

Art.-No. 706 039, two are required for per luminaire



- Pracht-Tinos fixing clip Ø 60 mm for variable mounting points, made of stainless steel single-sided hinge

Art.No. 704 040, two are required for per luminaire





Luminaire Tinos IP68/IP69K T8

for FL T8/26 mm
single-lamp, depths down to 25 mm

Housing: Seamless tubular housing made of polycarbonate (PC, impact-resistant), **practopal**® (PMMA, impact-resistant) or glass, essentially resistant against acids and alkalis.
Seals: Short, age-resistant seals.
Electrical components: Electronic ballast; through-wiring to max. 7 x 1.5 mm².
Installation: Variable mounting points using stainless steel Pracht Tube Clips.
Surface mounted luminaire: Suited for ceiling, pendant and horizontal wall mounting.
Beam angle: Either 180° or 360°.

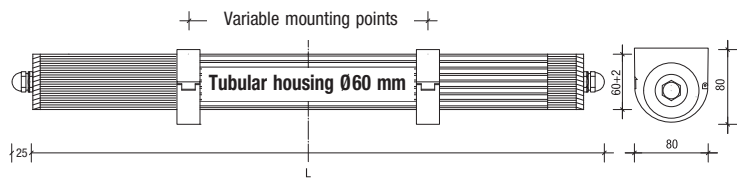
IP Ingress Protection
6 Ingress of solid objects (dustproof)
9K Ingress of water (high-pressure/steam jet cleaning)

When installed in critical areas, you must follow the relevant installation guidelines and test resistance against chemicals!



Protection Class II according to EN 60598
Ingress protection IP68 + IP69K
Dust-proof
Jet-proof
220–240V 50/60Hz

**IP68
IP69K**



Tubular housing Ø60 mm

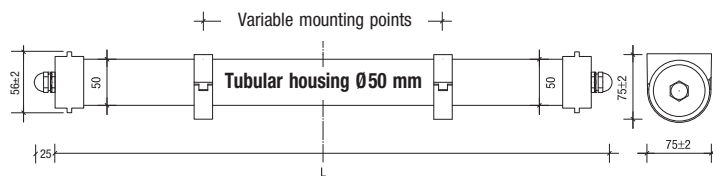
Type (VDE designation)	Watt	Ingress protection	Electronic ballast	L (without through-wiring) (mm)	Weight (kg)
			Art.-Nr.		
Pressurised-water resistant luminaire made of polycarbonate (PC), without through-wiring, with clear carrier, beam angle 360°, Ø 60 mm					
PRR DF 500/1 GK 60 PC	1 x 18	IP68/IP69K	2011803	1300±2	2.1
PRR DF 500/3 GK 60 PC	1 x 36	IP68/IP69K	2013603	1910±2	2.6
PRR DF 500/5 GK 60 PC	1 x 58	IP68/IP69K	2015803	2210±2	3.1
Pressurised-water resistant luminaire made of polycarbonate (PC), with through-wiring (see note below), anodised aluminium reflector, beam angle 180°, Ø 60 mm					
PRR DF 500/1 GK 60 PC	1 x 18	IP68/IP69K	20218 · 3	1300±2	2.4
PRR DF 500/3 GK 60 PC	1 x 36	IP68/IP69K	20236 · 3	1910±2	3.2
PRR DF 500/5 GK 60 PC	1 x 58	IP68/IP69K	20258 · 3	2210±2	3.8
Pressurised-water resistant luminaire made of practopal®, without through-wiring, with clear carrier, beam angle 360°, Ø 60 mm					
PRR DF 500/1 GK 60 PO	1 x 18	IP68/IP69K	2031803	1300±2	2.1
PRR DF 500/3 GK 60 PO	1 x 36	IP68/IP69K	2033603	1910±2	2.6
PRR DF 500/5 GK 60 PO	1 x 58	IP68/IP69K	2035803	2210±2	3.1
Pressurised-water resistant luminaire made of practopal®, with through-wiring (see note below), anodised aluminium reflector, beam angle 180°, Ø 60 mm					
PRR DF 500/1 GK 60 PO	1 x 18	IP68/IP69K	20418 · 3	1300±2	2.4
PRR DF 500/3 GK 60 PO	1 x 36	IP68/IP69K	20436 · 3	1910±2	3.2
PRR DF 500/5 GK 60 PO	1 x 58	IP68/IP69K	20458 · 3	2210±2	3.8
External el. ballast arrangement distance 1m max.		1 x 18/36/58		2010003	
Note: Pracht luminaire TINOS IP68 with anodised aluminium reflector is available with the following optional through-wiring!					
Note when ordering through-wiring: Please add to the Art.-Nr. at the 6th digit „“:			Digit		
Without through-wiring			0		
Through-wiring 2 x 1.5 mm ² = 10A			1		
Through-wiring 2 x 2.5 mm ² = 16A			2		
Through-wiring 4 x 1.5 mm ² = 10A			5		
Through-wiring 4 x 2.5 mm ² = 16A			6		
Through-wiring 4 x 1.5 mm ² and 2 x 1.5 mm ² = 10A			9		
Electronic ballast Dim 1–10V			685 004		
Electronic ballast Dim Dali			685 005		
Electronic ballast Industrie			36/58	685 006	
Additional accessories: Cable pendant, stainless steel connectors and end caps, connector cable connected using IP65 plug-in connector.					

Luminaire Tinos IP67 T8



Protection Class II according to EN 60598
Ingress protection IP67
Dust-proof
Jet-proof
220–240V 50/60Hz

IP67



PRR 500/1 D 50/56 SG	1 x 18	IP67	1200103	1278±2	2.1
PRR 500/3 D 50/56 SG	1 x 36	IP67	1200233	1698±2	2.7
PRR 500/5 D 50/56 SG	1 x 58	IP67	1200363	1998±2	3.5
Pressurised-water resistant tubular silicate glass luminaire, with internal reflector, w. through-wiring 2x1.5 mm², one each face side cable entry, IP67, Ø tube 50 mm, Ø cap 56 mm					
PRR 512/1 D 50/56 SG	1 x 18	IP67	1202103	1278±2	2.2
PRR 512/3 D 50/56 SG	1 x 36	IP67	1202233	1698±2	2.8
PRR 512/5 D 50/56 SG	1 x 58	IP67	1202363	1998±2	3.6

Luminaire Tinos IP68/IP69K T5

for FL T5/16 mm, single-lamp, depths down to 25 m for IP68

Caution! You must observe the burn-in period recommended by the lamp manufacturer!

When installed in critical areas, you must follow the relevant installation guidelines and test resistance against chemicals!



Listed with the Deutsche Bahn AG

Type (VDE designation)	Watt	Ingress protection	Electronic ballast		L (mm)	Weight (kg)
			Art.-No.			
Pressurised-water resistant luminaire made of polycarbonate (PC), without through-wiring, with clear carrier, beam angle 360°, Ø 60 mm						
PRR DF 500/41 GK 60 PC	1 x 14 HE	IP68/IP69K	2011403		1244±2	2.0
PRR DF 500/43 GK 60 PC	1 x 21 HE	IP68/IP69K	2012103		1544±2	2.3
PRR DF 500/45 GK 60 PC	1 x 28 HE	IP68/IP69K	2012803		1844±2	2.5
PRR DF 500/47 GK 60 PC	1 x 35 HE	IP68/IP69K	2013503		2144±2	3.0
PRR DF 500/21 GK 60 PC	1 x 24 HO	IP68/IP69K	2012403		1244±2	2.0
PRR DF 500/23 GK 60 PC	1 x 39 HO	IP68/IP69K	2013903		1544±2	2.3
PRR DF 500/25 GK 60 PC	1 x 54 HO	IP68/IP69K	2015403		1844±2	2.5
PRR DF 500/27 GK 60 PC	1 x 49 HO	IP68/IP69K	2014903		2144±2	3.0
PRR DF 500/29 GK 60 PC	1 x 80 HO	IP68/IP69K	2018003		2144±2	3.0
Pressurised-water resistant luminaire made of polycarbonate (PC), with through-wiring (see note on page 68), anodised aluminium reflector, beam angle 180°, Ø 60 mm						
PRR DF 500/41 GM 60 PC	1 x 14 HE	IP68/IP69K	20214 · 3		1244±2	2.3
PRR DF 500/43 GM 60 PC	1 x 21 HE	IP68/IP69K	20221 · 3		1544±2	2.7
PRR DF 500/45 GM 60 PC	1 x 28 HE	IP68/IP69K	20228 · 3		1844±2	3.1
PRR DF 500/47 GM 60 PC	1 x 35 HE	IP68/IP69K	20235 · 3		2144±2	3.5
PRR DF 500/21 GM 60 PC	1 x 24 HO	IP68/IP69K	20224 · 3		1244±2	2.3
PRR DF 500/23 GM 60 PC	1 x 39 HO	IP68/IP69K	20239 · 3		1544±2	2.7
PRR DF 500/25 GM 60 PC	1 x 54 HO	IP68/IP69K	20254 · 3		1844±2	3.1
PRR DF 500/27 GM 60 PC	1 x 49 HO	IP68/IP69K	20249 · 3		2144±2	3.5
PRR DF 500/29 GM 60 PC	1 x 80 HO	IP68/IP69K	20280 · 3		2144±2	3.5
Pressurised-water resistant luminaire made of prachtopal®, without through-wiring, with clear carrier, beam angle 360°, Ø 60 mm						
PRR DF 500/41 GK 60 PO	1 x 14 HE	IP68/IP69K	2031403		1244±2	2.0
PRR DF 500/43 GK 60 PO	1 x 21 HE	IP68/IP69K	2032103		1544±2	2.3
PRR DF 500/45 GK 60 PO	1 x 28 HE	IP68/IP69K	2032803		1844±2	2.5
PRR DF 500/47 GK 60 PO	1 x 35 HE	IP68/IP69K	2033503		2144±2	3.0
PRR DF 500/21 GK 60 PO	1 x 24 HO	IP68/IP69K	2032403		1244±2	2.0
PRR DF 500/23 GK 60 PO	1 x 39 HO	IP68/IP69K	2033903		1544±2	2.3
PRR DF 500/25 GK 60 PO	1 x 54 HO	IP68/IP69K	2035403		1844±2	2.5
PRR DF 500/27 GK 60 PO	1 x 49 HO	IP68/IP69K	2034903		2144±2	3.0
PRR DF 500/29 GK 60 PO	1 x 80 HO	IP68/IP69K	2038003		2144±2	3.0
Pressurised-water resistant luminaire made of prachtopal®, with through-wiring (see note on page 68), anodised aluminium reflector, beam angle 180°, Ø 60 mm						
PRR DF 500/41 GM 60 PO	1 x 14 HE	IP68/IP69K	20414 · 3		1244±2	2.3
PRR DF 500/43 GM 60 PO	1 x 21 HE	IP68/IP69K	20421 · 3		1544±2	2.7
PRR DF 500/45 GM 60 PO	1 x 28 HE	IP68/IP69K	20428 · 3		1844±2	3.1
PRR DF 500/47 GM 60 PO	1 x 35 HE	IP68/IP69K	20435 · 3		2144±2	3.5
PRR DF 500/21 GM 60 PO	1 x 24 HO	IP68/IP69K	20424 · 3		1244±2	2.3
PRR DF 500/23 GM 60 PO	1 x 39 HO	IP68/IP69K	20439 · 3		1544±2	2.7
PRR DF 500/25 GM 60 PO	1 x 54 HO	IP68/IP69K	20454 · 3		1844±2	3.1
PRR DF 500/27 GM 60 PO	1 x 49 HO	IP68/IP69K	20449 · 3		2144±2	3.5
PRR DF 500/29 GM 60 PO	1 x 80 HO	IP68/IP69K	20480 · 3		2144±2	3.5
External el. ballast arrangement distance 1m max.	1 x 14 to 80		2010003			
Note when ordering through-wiring and further electronic ballasts: Upon request!						

Luminaire Tinos IP67 T5

Pressurised-water resistant tubular silicate glass luminaire, without through-wiring, one face-side cable entry M20, IP67, Ø tube 50 mm, Ø cap 56 mm						
PRR 500/41 D 50/56 SG	1 x 14 HE	IP67	1200 143			
PRR 500/43 D 50/56 SG	1 x 21 HE	IP67	1200 213			
PRR 500/45 D 50/56 SG	1 x 28 HE	IP67	1200 283			
PRR 500/47 D 50/56 SG	1 x 35 HE	IP67	1200 353			
PRR 500/21 D 50/56 SG	1 x 24 HO	IP67	1200 513			
PRR 500/23 D 50/56 SG	1 x 39 HO	IP67	1200 743			
PRR 500/25 D 50/56 SG	1 x 54 HO	IP67	1200 873			
PRR 500/27 D 50/56 SG	1 x 49 HO	IP67	1200 923			
Pressurised-water resistant tubular silicate glass luminaire, w. internal reflector, with through-wiring 2 x 1.5 mm², one each face side cable entry, IP67, Ø tube 50 mm, Ø cap 56 mm						
PRR 512/41 D 50/56 SG	1 x 14 HE	IP67	1202 143			
PRR 512/43 D 50/56 SG	1 x 21 HE	IP67	1202 213			
PRR 512/45 D 50/56 SG	1 x 28 HE	IP67	1202 283			
PRR 512/47 D 50/56 SG	1 x 35 HE	IP67	1202 353			
PRR 512/21 D 50/56 SG	1 x 24 HO	IP67	1202 513			
PRR 512/23 D 50/56 SG	1 x 39 HO	IP67	1202 743			
PRR 512/25 D 50/56 SG	1 x 54 HO	IP67	1202 873			
PRR 512/27 D 50/56 SG	1 x 49 HO	IP67	1202 923			

Areas of application: Unprotected outdoor areas, workshop pits, industry, washing facilities, foodstuff industry, architectural illumination..



Product Advantages and Variants Tinos Line

Depths down to 25 m for IP68/IP69K



- With textured designs.
- Intermediate covers of the same design.

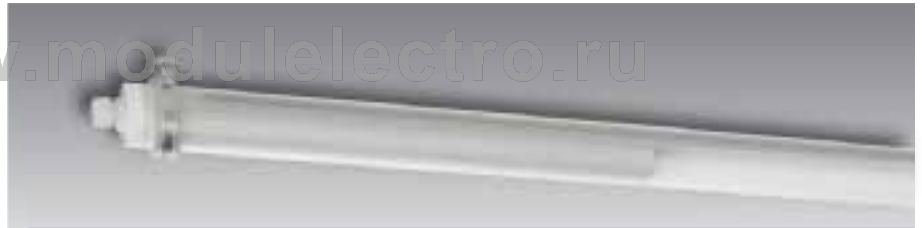


Tinos with stainless steel stand.

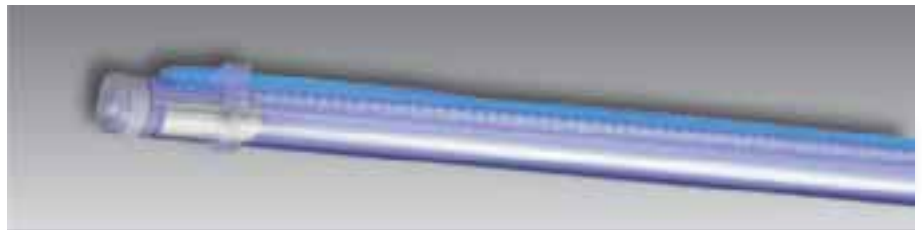


- Custom silicate glass TINOS IP67 luminaire.

www.modulelectro.ru



- Standard prachtopal® Tinos IP68/IP69K luminaire.



- Custom TINOS IP68 luminaire with transparent end pieces and fitted with integral LED's facing upwards.



- Vandal-resistant custom Tinos IP68 luminaire with secure stainless steel mounting parts.

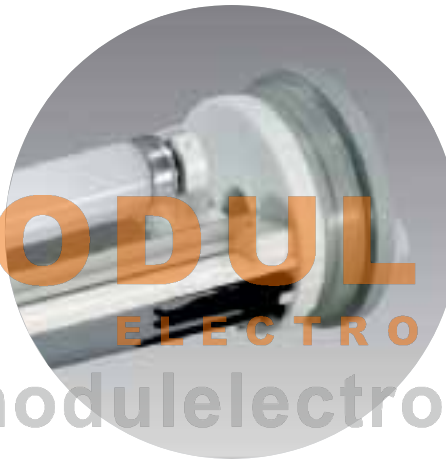
- Indestructible quick lock
- Torque limiting



- Stainless steel clip, single-sided hinge



- Single-lamp version with reflector



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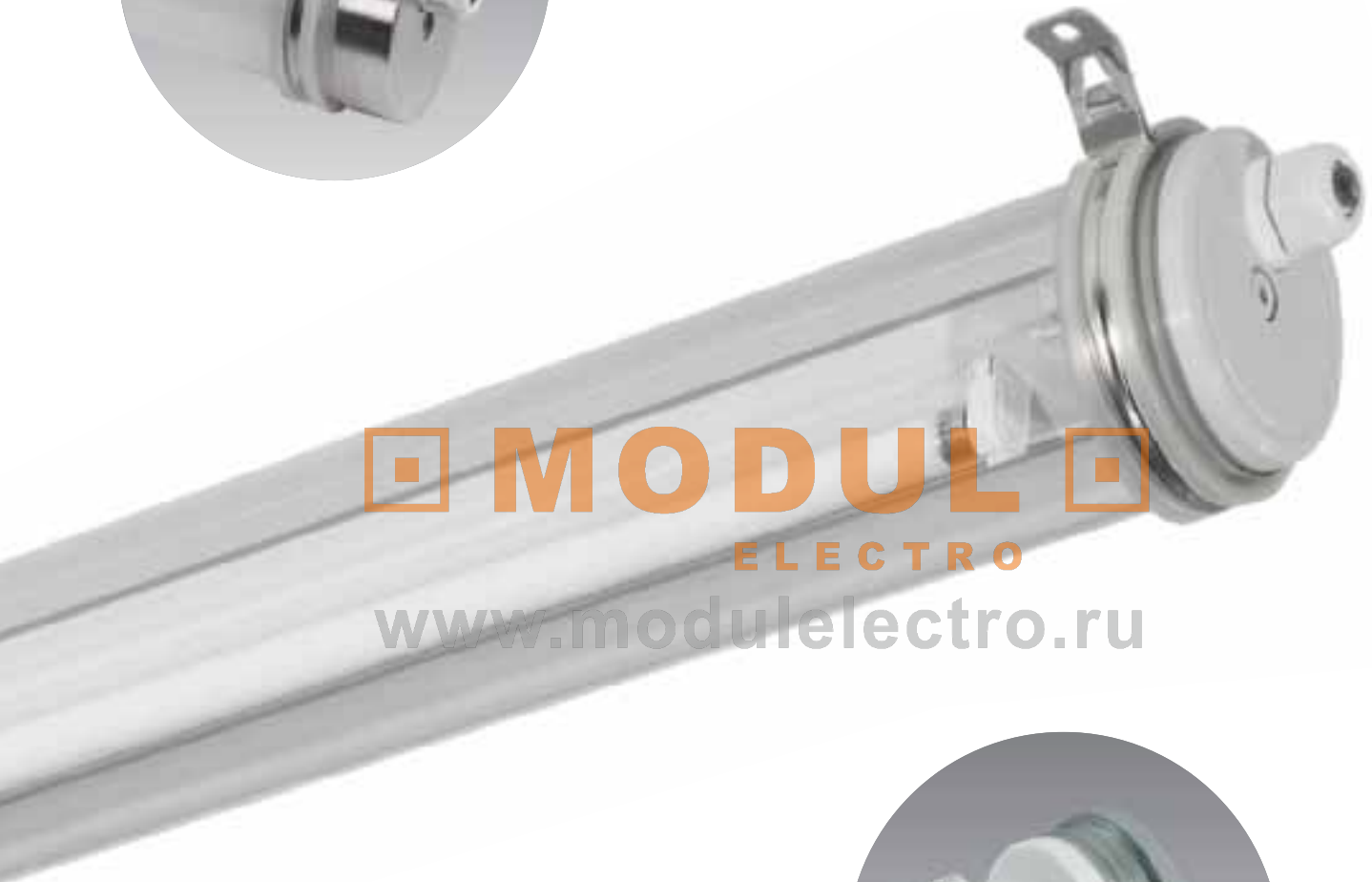
- Single-lamp
T5/16 mm version



Product Advantages Tubis Line IP68/IP69K



- Opalescent tubular housing, Ø90 mm made of impact-resistant prachtopal® PMMA with stainless steel end cap
- Stainless steel fixing clip for pendant suspension



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- Twin-lamp T5/16 mm version



- Triple-lamp T5/16 mm version
- Suited for RGB control



Luminaire Tubis IP68/IP69K T8

for FL T8/26 mm, single- and twin-lamp

Tubular housing either made of PMMA **prachtopal**®, PC or silicate glass

Housing: Seamless tubular housing made of polycarbonate (PC, impact-resistant), **prachtopal**® (PMMA, impact-res.) or glass, essentially resistant against acids & alkalis.
Seals: Short, age-resistant seals.
Electrical components: Low loss ballast starter; electronic ballast; through-wiring to max. 5 x 1.5 mm².
Installation: Variable mounting points using the Pracht Tube Clips.
Surface mounted luminaire: For ceiling, pendant, horizontal & vertical wall mounting.
Beam angle: 180° approx.

IP Ingress Protection
6 Ingress of solid objects (dustproof)
9K Ingress of water (high-pressure/steam jet cleaning)

When installed in critical areas, you must follow the relevant installation guidelines and test resistance against chemicals!



Protection Class I and II according to EN 60598
 Ingress protection IP68/IP69K
 Dust-proof
 Jet-proof
 230V / 50Hz



Tubular housing Ø90 mm

Type	Watt	Inductive		Compensated		Electronic ballast		L (mm)	Weight (kg)
		Art.-No.		Art.-No.		Art.-No.			
Individual luminaire Tubis IP68/IP69K, through-wiring (see note below), T8, SK II, clear polycarbonate (PC, impact-resistant)									
PRR 800/1 PC	1 x 18	2201 · 10		2201 · 11		2201 · 13		705±2	
PRR 800/3 PC	1 x 36	2203 · 10		2203 · 11		2203 · 13		1355±2	
PRR 800/5 PC	1 x 58	2205 · 10		2205 · 11		2205 · 13		1655±2	
PRR 800/2 PC	2 x 18	2202 · 10		2202 · 11		2202 · 13		705±2	
PRR 800/4 PC	2 x 36	2204 · 10		2204 · 11		2204 · 13		1355±2	
PRR 800/6 PC	2 x 58	2206 · 10		2206 · 11		2206 · 13		1655±2	
PRR 800/24 PC	1 x 24 TC-L					2252 · 13		490±2	
PRR 800/55 PC	1 x 55 TC-L					2255 · 13		705±2	
Individual luminaire Tubis IP68/IP69K, through-wiring (see note below), T8, SK II, prachtopal® (PMMA, impact-resistant)									
PRR 800/1 PO	1 x 18	2201 · 30		2201 · 31		2201 · 33		705±2	
PRR 800/3 PO	1 x 36	2203 · 30		2203 · 31		2203 · 33		1355±2	
PRR 800/5 PO	1 x 58	2205 · 30		2205 · 31		2205 · 33		1655±2	
PRR 800/2 PO	2 x 18	2202 · 30		2202 · 31		2202 · 33		705±2	
PRR 800/4 PO	2 x 36	2204 · 30		2204 · 31		2204 · 33		1355±2	
PRR 800/6 PO	2 x 58	2206 · 30		2206 · 31		2206 · 33		1655±2	
PRR 800/24 PO	1 x 24 TC-L					2252 · 33		490±2	
PRR 800/55 PO	1 x 55 TC-L					2255 · 33		705±2	
Individual luminaire Tubis IP68/IP69K, through-wiring (see note below), T8, SK II, clear silicate glass									
PRR 800/1 SG	1 x 18	2201 · 50		2201 · 51		2201 · 53		705±2	
PRR 800/3 SG	1 x 36	2203 · 50		2203 · 51		2203 · 53		1355±2	
PRR 800/5 SG (upon request!)	1 x 58							1655±2	
PRR 800/2 SG	2 x 18	2202 · 50		2202 · 51		2202 · 53		705±2	
PRR 800/4 SG	2 x 36	2204 · 50		2204 · 51		2204 · 53		1355±2	
PRR 800/6 SG (upon request!)	2 x 58							1655±2	
PRR 800/24 SG	1 x 24 TC-L					2252 · 53		490±2	
PRR 800/55 SG	1 x 55 TC-L					2255 · 53		705±2	

Note when ordering through-wiring:

Please add to the Art.-Nr. at the 5th digit „“:	Digit	Extra costs
Without through-wiring	0	
Through-wiring 2 x 1.5 mm ² = 10A	1	
Through-wiring 2 x 2.5 mm ² = 16A	2	
Through-wiring 3 x 1.5 mm ² = 10A	3	
Through-wiring 3 x 2.5 mm ² = 16A	4	
Through-wiring 4 x 1.5 mm ² = 10A	5	
Through-wiring 4 x 2.5 mm ² = 16A	6	
Through-wiring 5 x 1.5 mm ² = 10A	7	
Through-wiring 5 x 2.5 mm ² = 16A	8	
Through-wiring 2 x 1.5 mm ² + 2 x 1.5 mm ² (Dim) = 10A	9	
Electronic ballast Dim 1-10V (add to electronic ballast version)	685 004	
Electronic ballast Dim Dali (add to electronic ballast version)	685 005	
Electronic ballast Industrie (add to el. ball. version)	49/54/80 685 006	

Upon request: Luminaire also available compliant with Protection Class I. For LED variants, see page 89!

Areas of application: Industrial facilities, car washes, architectural lighting.

Luminaire Tubis IP68/IP69K T5

for FL T5/16 mm, single- and twin-lamp

Tubular housing either made of
PMMA **prachtopal**®, PC or silicate glass

Housing: Seamless tubular housing made of polycarbonate (PC, impact-resistant), **prachtopal**® (PMMA, impact-resistant) or glass, essentially resistant against acids and alkalis.

Seals: Short, age-resistant seals.

Electrical components: Electronic ballast; through-wiring to max. 5 x 1.5 mm².
Installation: Variable mounting points using the Pracht Tube Clips.

Surface mounted luminaire: For ceiling, pendant, horizontal & vertical wall mounting.
Beam angle: 180° approx.

IP Ingress Protection
6 Ingress of solid objects (dustproof)
9K Ingress of water (high-pressure/steam jet cleaning)

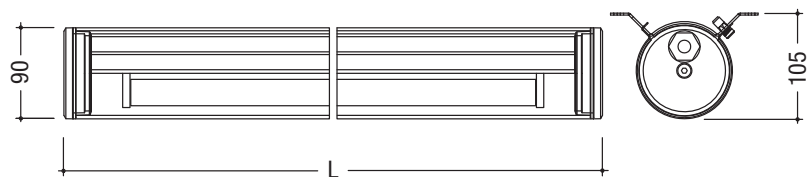


When installed in critical areas, you must follow the relevant installation guidelines and test resistance against chemicals!



Protection Class I and II according to EN 60598
Ingress protection IP68/IP69K
Dust-proof
Jet-proof
230V / 50Hz

Tubular housing Ø90 mm



Type	Watt	Low output (HE) EVG	Watt	High output (HO) EVG	L (mm)	Weight (kg)
	Art.-No.	Art.-No.	Art.-No.	Art.-No.		
Individual luminaire Tubis IP68/IP69K, through-wiring (see note below), T5, SK II, clear polycarbonate (PC, impact-resistant)						
PRR 800 PC	1 x 14 HE	2241 · 13	1 x 24 HO	2221 · 13	705±2	
PRR 800 PC	1 x 28 HE	2245 · 13	1 x 54 HO	2225 · 13	1355±2	
PRR 800 PC	1 x 35 HE	2247 · 13	1 x 49 HO	2227 · 13	1655±2	
PRR 800 PC			1 x 80 HO	2229 · 13	1655±2	
PRR 800 PC	2 x 14 HE	2242 · 13	2 x 24 HO	2222 · 13	705±2	
PRR 800 PC	2 x 28 HE	2246 · 13	2 x 54 HO	2226 · 13	1355±2	
PRR 800 PC	2 x 35 HE	2248 · 13	2 x 49 HO	2228 · 13	1655±2	
Individual luminaire Tubis IP68/IP69K, through-wiring (see note below), T5, SK II, prachtopal® (PMMA, impact-resistant)						
PRR 800 PO	1 x 14 HE	2241 · 33	1 x 24 HO	2221 · 33	705±2	
PRR 800 PO	1 x 28 HE	2245 · 33	1 x 54 HO	2225 · 33	1355±2	
PRR 800 PO	1 x 35 HE	2247 · 33	1 x 49 HO	2227 · 33	1655±2	
PRR 800 PO			1 x 80 HO	2229 · 33	1655±2	
PRR 800 PO	2 x 14 HE	2242 · 33	2 x 24 HO	2222 · 33	705±2	
PRR 800 PO	2 x 28 HE	2246 · 33	2 x 54 HO	2226 · 33	1355±2	
PRR 800 PO	2 x 35 HE	2248 · 33	2 x 49 HO	2228 · 33	1655±2	
Individual luminaire Tubis IP68/IP69K, through-wiring (see note below), T5, SK II, clear silicate glass						
PRR 800 SG	1 x 14 HE	2241 · 53	1 x 24 HO	2221 · 53	705±2	
PRR 800 SG	1 x 28 HE	2245 · 53	1 x 54 HO	2225 · 53	1355±2	
PRR 800 SG (upon request!)	1 x 35 HE		1 x 49 HO		1655±2	
PRR 800 SG (upon request!)			1 x 80 HO		1655±2	
PRR 800 SG	2 x 14 HE	2242 · 53	2 x 24 HO	2222 · 53	705±2	
PRR 800 SG	2 x 28 HE	2246 · 53	2 x 54 HO	2226 · 53	1355±2	
PRR 800 SG (upon request!)	2 x 35 HE		2 x 49 HO		1655±2	
Note when ordering through-wiring:						
Please add to the Art.-Nr. at the 5th digit „“:		Digit	Extra costs			
Without through-wiring		0				
Through-wiring 2 x 1.5 mm ² = 10A		1				
Through-wiring 2 x 2.5 mm ² = 16A		2				
Through-wiring 3 x 1.5 mm ² = 10A		3				
Through-wiring 3 x 2.5 mm ² = 16A		4				
Through-wiring 4 x 1.5 mm ² = 10A		5				
Through-wiring 4 x 2.5 mm ² = 16A		6				
Through-wiring 5 x 1.5 mm ² = 10A		7				
Through-wiring 5 x 2.5 mm ² = 16A		8				
Through-wiring 2 x 1.5 mm ² + 2 x 1.5 mm ² (Dim) = 10A		9				
Electronic ballast Dim 1–10V (add to electronic ballast version)		685 004				
Electronic ballast Dim Dali (add to electronic ballast version)		685 005				
Electronic ballast Industrie (add to electronic ballast version)		49/54/80	685 006			

Upon request: Luminaire also available compliant with Protection Class I. For LED variants, see page 89!

Areas of application: Industrial facilities, car washes, architectural lighting.

The logo for MODUL ELECTRO features the word "MODUL" in a large, bold, orange sans-serif font, flanked by two orange squares. Below it, the word "ELECTRO" is written in a smaller, orange, spaced-out sans-serif font.

MODUL
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Basic Line

Your advantages

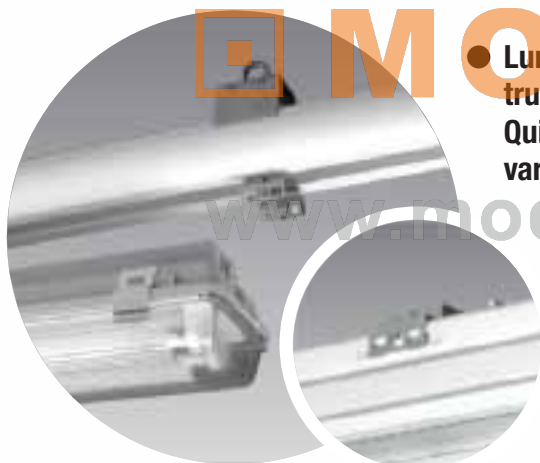
- Attractive price-performance ratio
- Age-resistant seals
- Essentially captive diffuser locks made of stainless steel
- Easy mounting

Areas of application

- Cost-effective object illumination

MODUL
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www.modulelectro.ru

- White interior reflector gear tray which is easy to suspend
- Easy clip-on installation by pressing your finger on the retaining spring



- Luna N with lighting trunking system and Quick-Mounting-Clip for variable mounting points

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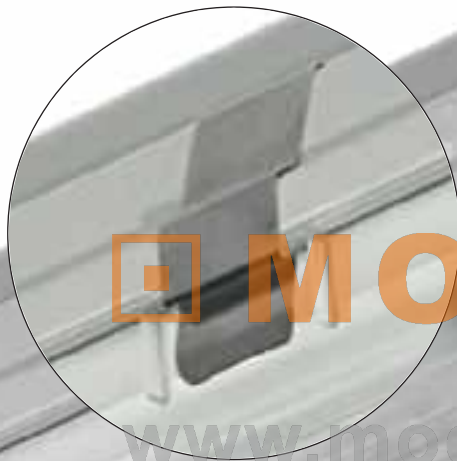
Product Advantages Luna N



- Five prestamped cable entries on the ceiling side
- One each cable entry at each end for through-wiring



- Captive stainless steel diffuser retainers

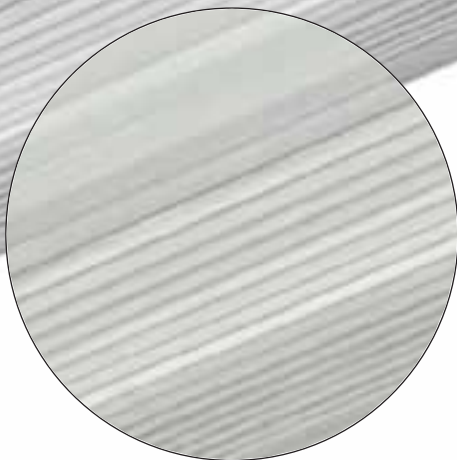


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- Low loss ballast or quality electronic ballast as standard
- Mounting aid by suspending the gear tray



- Series manufactured, one-piece injection moulded lamp cover with interior prisms

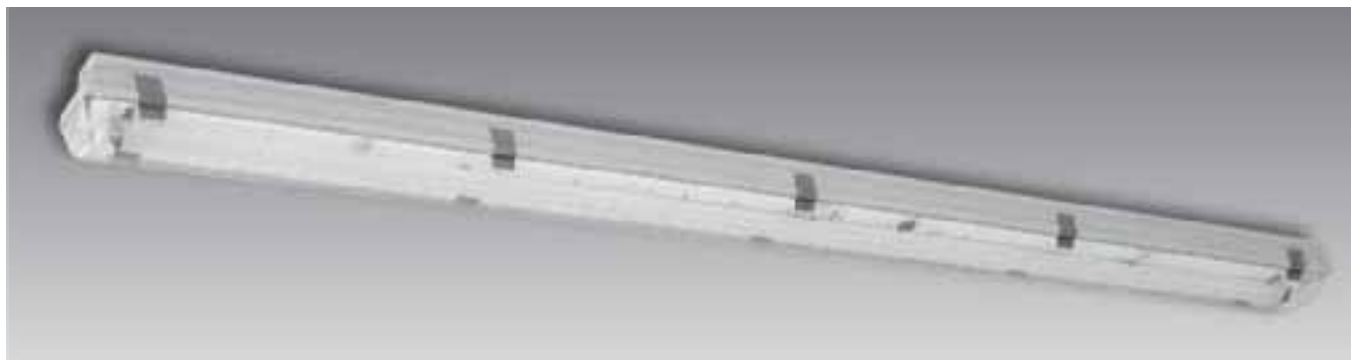




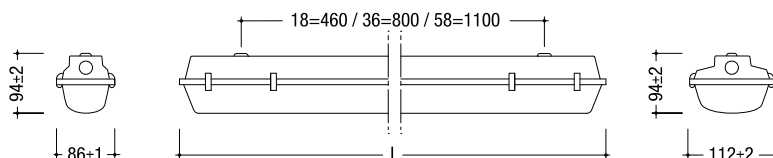
Luminaire Luna N T5/T8

for LL T5/16 mm and T8/26mm
single- and twin-lamp

Housing: Polyester, grey, fiberglass-reinforced.
Socket: Thermoplastic PC.
Lamp cover: Diffuser made of acrylic glass or polycarbonate (PC, impact-resistant), internal prisms, clip made of stainless steel.
Seals: Age-resistant seals.
Electrical components: Low loss ballast B2 starter; electronic ballast.
Installation: Two mounting points with rubber seals. Suited for ceiling and pendant mounting. Horizontal wall mounting under roofs.



Protection Class I acc. to EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz



Type	Watt	Inductive		Electronic ballast		L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.		
Individual luminaire T8 with injection moulded PMMA Prachtmatic interior prism diffuser, stainless steel clip, without through-wiring, SK I							
PPW 5700/1	1 x 18	1252 100	1252 103	1252 103	1252 103	668±2	1.8
PPW 5700/3	1 x 36	1252 230	1252 233	1252 233	1252 233	668±2	2.2
PPW 5700/5	1 x 58	1252 360	1252 363	1252 363	1252 363	1278±2	2.6
PPW 5700/2	2 x 18	1252 130	1252 133	1252 133	1252 133	1278±2	4.2
PPW 5700/4	2 x 36	1252 260	1252 263	1252 263	1252 263	1578±2	3.4
PPW 5700/6	2 x 58	1252 400	1252 403	1252 403	1252 403	1578±2	5.4
Individual luminaire T8 with injection moulded, impact-resistant PC Prachtmatic interior prism diffuser, stainless steel clip, without through-wiring, SK I							
PPW 5700/1 PC	1 x 18	1252 110	1252 103	1252 103	1252 103	668±2	1.8
PPW 5700/3 PC	1 x 36	1252 240	1252 233	1252 233	1252 233	668±2	2.2
PPW 5700/5 PC	1 x 58	1252 370	1252 363	1252 363	1252 363	1278±2	2.6
PPW 5700/2 PC	2 x 18	1252 140	1252 133	1252 133	1252 133	1278±2	4.2
PPW 5700/4 PC	2 x 36	1252 270	1252 263	1252 263	1252 263	1578±2	3.4
PPW 5700/6 PC	2 x 58	1252 410	1252 403	1252 403	1252 403	1578±2	5.4
Individual luminaire T5 with injection moulded Prachtmatic interior prism PMMA diffuser, stainless steel clip, without through-wiring, SK I with multi-watt electronic ballast							
PPW E 5700/25-45	1 x 28/54			5252 362	5252 362	1278±2	2.2
PPW E 5700/27-29-47	1 x 35/49/80			5252 432	5252 432	1578±2	2.6
PPW E 5700/28-48	2 x 35/49			5252 462	5252 462	1578±2	4.8
Individual luminaire T5 w. injection moulded, impact-resistant Prachtmatic interior prism PC diffuser, stainless steel clip, without through-wiring, SK I w. multi-watt el. ballast							
PPW E 5700/25-45 PC	1 x 28/54			5252 372	5252 372	1278±2	2.2
PPW E 5700/27-29-47 PC	1 x 35/49/80			5252 442	5252 442	1578±2	2.6
PPW E 5700/28-48 PC	2 x 35/49			5252 472	5252 472	1578±2	4.8
Separately enclosed wiring kit for through-wiring 5 x 1.5 mm ² (10 A), silicone	18 / 14/24		604 518				
	36 / 28/54		604 536				
	58 / 35/49/80		604 558				
Separately enclosed wiring kit for through-wiring 5 x 2.5 mm ² (16 A), silicone	18 / 14/24		604 528				
	36 / 28/54		604 546				
	58 / 35/49/80		604 568				
Note: Other electronic ballasts upon request!							

Areas of Application: Economical lighting for structures, not suited for unprotected outdoor areas.



Luminaire Luna N, twin-lamp version.

Caution: When your planning involves critical areas of application in the chemical industry or in agriculture (electro-plating, stabling etc.), for example, please consult our experts first!

Note:

Please note the following quantities when ordering replacement clips:

- 18 Watt = 6 pcs. / luminaire
- 36 Watt = 8 pcs. / luminaire
- 58 Watt = 10 pcs. / luminaire

Art.-No.: 694 212

Accessories for the luminaire with diffuser Luna N T5/T8

LT T5/16 mm and T8/26 mm

single- and twin-lamp



Designation	Type	18/24 Watt	36/54 Watt	58/35/49/80 Watt
		Art.-No.	Art.-No.	Art.-No.
Prachtmatic replacement diffuser				
Synthetic glass, injection moulded	WAN 5700/1 118	604 131		
calculated interior prisms	WAN 5700/2 218	604 132		
	WAN 5700/3 136		604 133	
	WAN 5700/4 236		604 134	
	WAN 5700/5 158			604 135
	WAN 5700/6 258			604 136
Prachtmatic polycarbonate replacement diffuser (PC, impact-resistant)				
PC	WAN PC 5700/1 118	604 231		
calculated interior prisms	WAN PC 5700/2 218	604 232		
	WAN PC 5700/3 136		604 233	
	WAN PC 5700/4 236		604 234	
	WAN PC 5700/5 158			604 235
	WAN PC 5700/6 258			604 236
One-piece stainless steel clip		604 212		
Quick mounting clip (2 pcs. are required)	SMK	604 220		
Quick mounting mains connection		604 230		
Note: Luminaires with dimmable electronic ballasts are available (1–10 V)				
Add to electronic ballast cost	1 x 18 W / 1 x 36 W / 1 x 58 W			
Add to electronic ballast cost	2 x 18 W / 2 x 36 W / 2 x 58 W			
Please change the 7th digit of the luminaire Art.-No. to 4.				
Electronic ballast DIM-Dali = extra cost				
Installation instructions for the Luna N:				
When installing on trunks or metal frames, the fastening screws must be covered with extra synthetic material caps Art.-No. 690 005 for sealing so as to prevent stray voltages				
When using damp-proof luminaires in areas with extreme requirements like, for example, cleaning agents, disinfectants, oils, greases, vapours of chemical origin etc., our technicians are available to competently solve your specific problems.				
The Luna N line is not suited for unprotected outdoor areas!				
Note: When factory-delivered with electronic ballast = ▽ / ▽ / ▽				
Note: Secure gear tray using mounting aid. Not suited for continuous load.				



Quick-mounting, mains connection can be provided with the luminaire already fully installed.



Quick mounting system for continuous mounting.



Five prestamped cable entries on the ceiling side. One cable entry at each end for through-wiring.



Twin-lamp, compact style.



Luminaire Luna T5/T8

for LT T5/16 mm and T8/26mm

single- and twin-lamp

Housing: Polyester, grey, fiberglass-reinforced.

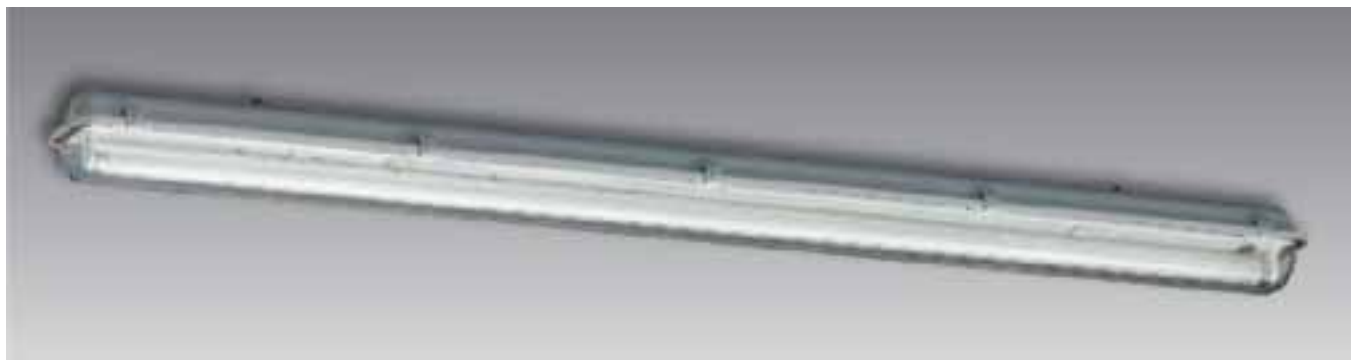
Socket: Thermoplastic PC.

Lamp cover: Diffuser made of acrylic glass or polycarbonate (PC, impact-resistant), with internal prisms, clip made of POM synthetic material or stainless steel.

Seals: Age-resistance seals.

Electrical components: Low loss ballast B2 starter; electronic ballast.

Installation: Two mounting points with rubber seals. Suited for ceiling and pendant mounting. Horizontal wall mounting under roofs.



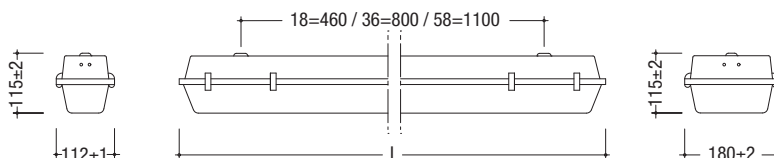
Protection Class I according to EN 60598

Ingress protection IP65

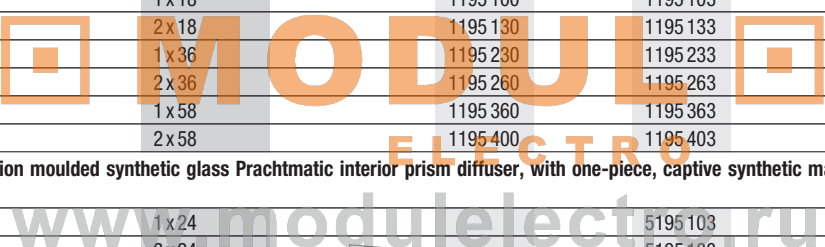
Dust-proof

Jet-proof

230V/50 Hz



Type	Watt	Inductive		Electronic ballast		L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with injection moulded synthetic glass Prachtmatic interior prism diffuser, with one-piece, captive synthetic material rocker clip, without through-wiring, SK I							
PPW-SAF 5500/1	1 x 18	1195 100	1195 103	668±2	1.8		
PPW-SAF 5500/2	2 x 18	1195 130	1195 133	668±2	2.2		
PPW-SAF 5500/3	1 x 36	1195 230	1195 233	1278±2	2.6		
PPW-SAF 5500/4	2 x 36	1195 260	1195 263	1278±2	4.2		
PPW-SAF 5500/5	1 x 58	1195 360	1195 363	1578±2	3.4		
PPW-SAF 5500/6	2 x 58	1195 400	1195 403	1578±2	5.4		
Individual luminaire with injection moulded synthetic glass Prachtmatic interior prism diffuser, with one-piece, captive synthetic material rocker clip, without through-wiring, SK I							
PPW-SAF 5500/21 HO	1 x 24		5195 103	668±2	1.4		
PPW-SAF 5500/22 HO	2 x 24		5195 133	668±2	2.1		
PPW-SAF 5500/25 HO	1 x 54		5195 363	1278±2	2.2		
PPW-SAF 5500/26 HO	2 x 54		5195 403	1278±2	3.2		
PPW-SAF 5500/27 HO	1 x 49		5195 433	1578±2	2.9		
PPW-SAF 5500/29 HO	1 x 80		5195 503	1578±2	2.9		



HE types upon request!

Designation	Type	18/24 Watt	36/54 Watt	58/35/49/80 Watt
		Art.-No.	Art.-No.	Art.-No.
Prachtmatic replacement diffuser for series 1195... / replacement diffuser made of polycarbonate (PC, impact-resistant) is available upon request!				
Synthetic glass, injection moulded	PRA 506/1 118 PLEX	601 131		
Synthetic glass, injection moulded	PRA 506/2 218 PLEX	601 132		
calculated interior prisms	PRA 506/3 136 PLEX		601 133	
	PRA 506/4 236 PLEX		601 134	
	PRA 506/5 158 PLEX			601 135
	PRA 506/6 258 PLEX			601 136
One-piece synthetic material clip		692 212		
One-piece stainless steel clip		692 214		
Luna wiring kit upon request.				

Areas of application: Economical lighting for structures, not suited for unprotected outdoor areas.



Luminaire Luna, twin-lamp version.

Caution: When your planning involves critical areas of application in the chemical industry or in agriculture (electro-plating, stabling etc.), for example, please consult our experts first!

Note:

Please note the following quantities when ordering replacement clips:

- 18 Watt = 6 pcs. / luminaire
- 36 Watt = 8 pcs. / luminaire
- 58 Watt = 10 pcs. / luminaire

Art.-No.: 692 212

Luminaire Föhr T8

for LT T8/26 mm

single- and twin-lamp

also available as T5/16 mm

Housing: Polyester, grey, fiberglass-reinforced.

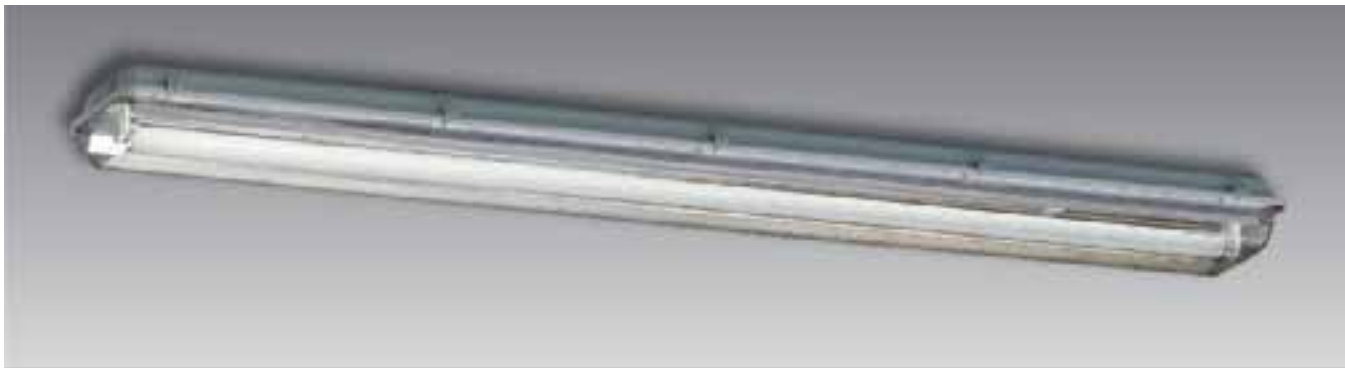
Socket: Thermoplastic PC.

Lamp cover: Diffuser with interior prisms made of acrylic glass or polycarbonate (PC, impact-resistant) with reflector, diffuser retaining clip made of synthetic material POM or stainless steel.

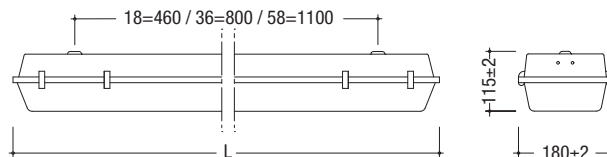
Seals: Age-resistant seals.

Electrical components: Low loss ballast B2 starter; electronic ballast.

Installation: Two mounting points with rubber seals. Suited for ceiling and pendant mounting. Horizontal wall mounting in roofed areas.



Protection Class I according to EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz



Type	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with synthetic glass Prachtmatic interior prism diffuser and symmetrical wide beam interior mirror reflector, without through-wiring						
PPW 504/3-SYM	1 x 36	1220 230	1220 231	1220 233	1278±2	4.3
PPW 504/4-SYM	2 x 36	1220 260	1220 261	1220 263	1278±2	6.5
PPW 504/5-SYM	1 x 58	1220 360	1220 361	1220 363	1578±2	6.1
PPW 504/6-SYM	2 x 58	1220 400	1220 401	1220 403	1578±2	8.5
Individual luminaire with synthetic glass Prachtmatic interior prism diffuser and asymmetrical, interior mirror reflector, without through-wiring						
PPW 504/3-ASY	1 x 36	1221 230	1221 231	1221 233	1278±2	4.3
PPW 504/5-ASY	1 x 58	1221 360	1221 361	1221 363	1578±2	6.1
Separately enclosed through-wiring kit	18	696 518				
5 x 1.5 mm ² = 10 A	36	696 536				
	58	696 558				
Mounting note for the Föhr line:						
When installing on trunks or metal frames, the fastening screws must be covered with extra synthetic material caps.						
Art.-No. 690 005 for sealing off, to prevent stray voltages.						
Note: Luminaires with polycarbonate diffuser (PC, impact-resistant) and stainless steel diffuser retainers are available upon request.						

Areas of application: Economical lighting of structures.



Luminaire Föhr, single-lamp with symmetric mirror.



Luminaire Föhr with one-piece synthetic clip.



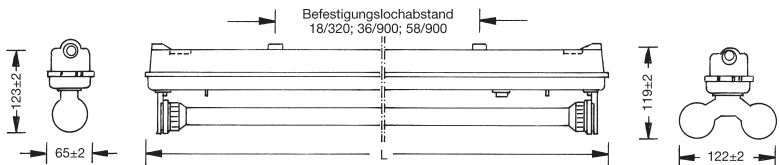
Batten Luminaire Capri T8

for LT T8/26 mm, single- and twin-lamp
also available as T5/16 mm

Housing: Polyester, grey, fiberglass-reinforced.
Socket: Thermoplastic PC, two-slot plug-in socket.
Lamp cover: Batten luminaire, can be supplemented with accessories.
Seals: Age-resistant seals.
Electrical components: Low loss ballast B2 starter; electronic ballast.
Installation: Two mounting points with rubber seals. Suited for ceiling and pendant mounting.



Protection Class I according to EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz



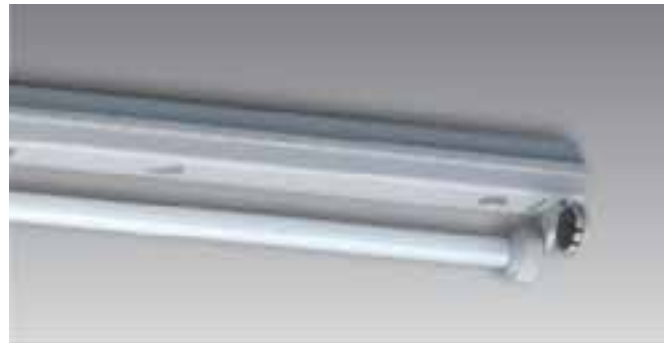
Type (VDE-Designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire without through-wiring						
PPZ 4300/1	1 x 18	1185 100	1185 101	1185 103	657±2	2.1
PPZ 4300/2	2 x 18	1185 130	1185 131	1185 133	657±2	2.4
PPZ 4300/3	1 x 36	1185 230	1185 231	1185 233	1266±2	2.5
PPZ 4300/4	2 x 36	1185 260	1185 261	1185 263	1266±2	3.2
PPZ 4300/5	1 x 58	1185 360	1185 361	1185 363	1566±2	2.6
PPZ 4300/6	2 x 58	1185 400	1185 401	1185 403	1566±2	4.2
Installation instructions for the Capri line:						
When installing on trunks or metal frames, the fastening screws must be covered with extra synthetic material caps, Art.-No. 690 005.						

Accessories for Capri luminaire	Type	18 Watt	36 Watt	58 Watt
		Art.-No.	Art.-No.	Art.-No.
Lamp protective tube, in connection with safety starter only				
PC, clear, OD = 38 mm*	LS-MAK-38	613 321	613 323	613 325
PC, clear, internal ribbing, OD 38 = mm*	LS-MAK-IG-38	613 331	613 333	613 335
Silicate glass, OD = 38 mm**	LS-SG-38	623 611	623 613	623 615
Wire guard – Capri	DSK-PPZ (single-lamp)	616 231	616 233	616 235
with mounting accessories	DSK-PPZ (twin-lamp)	616 232	616 234	616 236
Metal reflector – Capri	RFB (single-lamp)		615 974	615 976
White lacquer finish	RFB (twin-lamp)		615 974	615 976
Threaded ring for batten luminaire Ø 26 LL	SR 26	691 051		
* Threaded ring for LS Ø 38 MAK with metal sleeve	SR 26/38-2	695 055		
**Threaded ring for LS Ø 38 SG and LL Ø 38 mm	SR 26/38	691 057		

Areas of application: Economical structural lighting.



Three pre-stamped cable entries on the ceiling side. Self-sealing glands at the ends for through-wiring.



Two-slot plug-in socket.

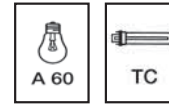
Iso Oval luminaire Nina

Housing: Synthetic material, grey, color similar to RAL 7035.
Cover: Glass, textured, clear, with galvanized hinged or screwed wire guard

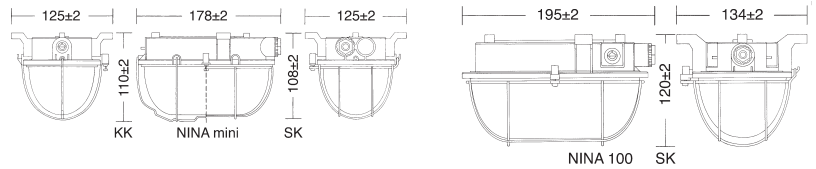


Suited for ceiling and wall mounting

Suited for A60 incandescent lamps and TC-EL compact fluorescent lamps



- ① Luminaires for incandescent lamps (A60), 60 W IP44 / IP40
- ② Luminaires for incandescent lamps (A60), TC-EL Protection class I, IP40, 230 V/50 Hz



Type (VDE-Designation)	Watt	Inductive		Please note our technical changes!
		Art.-No.		
Nina mini max. 60 Watt IP44 with hinged wire guard PIO 60 KK	60	00 10 060		
	60	00 10 061		
Nina mini max. 60 Watt IP44 with screwed wire guard PIO 60 SK	60	00 10 061		
	100	00 10 101		
Nina 100 IP40 with screwed wire guard PIO 100 A	100	00 10 101		
	5-9	00 10 009		
Nina 100 max. 9 Watt IP40 for compact fluorescent lamps with electronic ballast PIO 100 TC	5-9	00 10 009		
All versions in RAL colours: upon request.				

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With clipped synthetic material socket E27.



With premounted hinged wire guard.



With synthetic material socket E 27.



With TC-EL 7 Watt.



Two cable entries PG 13.5.




Prestamped cable outlets.



RAL lacquer available.



Adjustable cable entries.



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LED

Your advantages

- Long service life
- Small dimensions
- Low energy costs
- Different light colours
- Highly creative lighting planning
- Shapely
- Insensitive to vibrations

Areas of application

- Architectural lighting solutions
- Facade lighting
- Accentuated lighting
- Reception and entrance areas
- Illumination of station platforms
- Cold rooms


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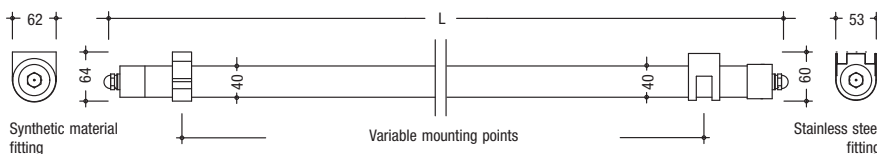
Luminaire Tanaro LED

- for outdoor systems down to -30 °C.
- equipped with lenses for different beam angles as well as
- RGB version with controller upon request.

Housing: Seamless tubular housing made of polycarbonate Ø 40 mm.
Seals: Short, age-resistant sealing system.
Electrical components: LED, external converter.
Installation: Variable mounting points through Pracht tube clips.



- IMMEDIATELY high luminous intensity
- Low energy requirements
- High CO₂ reduction
- Long LED service life
- Insensitive to the vibrations
- High protection class
- Protected LED, directed light



Also suited for emergency lighting

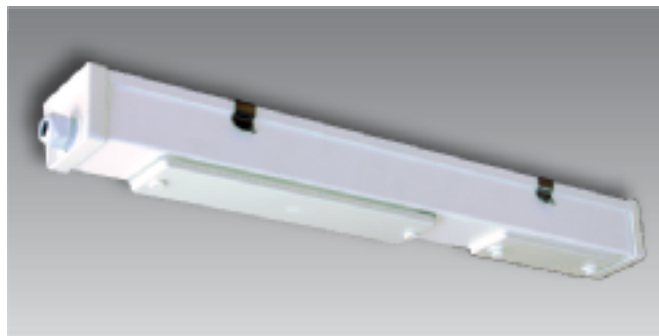
with OSRAM OT 20/230-240/24
 with OSRAM OT 75/230-240/24

Type (VDE designation)	Watt	No. of LEDs	Art.-No.	L (mm)	Weight (kg)
Individual luminaire Tanaro, Ø 40 mm, with LED OSRAM LINEARlight® FLEX white 24V, other types upon request, luminaire rotatable over 360°					
PRR DF 40 PC 20 LED	2.91	20	7101 020	610±2	0.5
PRR DF 40 PC 50 LED	7.28	50	7101 050	1210±2	0.8
PRR DF 40 PC 60 LED	8.73	60	7101 060	1410±2	0.9
PRR DF 40 PC 90 LED	13.10	90	7101 090	2010±2	1.2
PRR DF 40 PC 100 LED	14.55	100	7101 100	2210±2	1.3
Individual luminaire Tanaro, Ø 40 mm, with white high-performance LEDs on Pracht pcb., 24V, without through-wiring, luminaire rotatable over 360°					
PRR 4000/ 5 P PC LED	12.5	5	7101 213	455±2	0.5
PRR 4000/10 P PC LED	25	10	7101 225	705±2	1.7
PRR 4000/15 P PC LED	37.5	15	7101 238	950±2	0.9
PRR 4000/20 P PC LED	50	20	7101 250	1200±2	1.1
PRR 4000/25 P PC LED	62.5	25	7101 263	1450±2	1.3
PRR 4000/30 P PC LED	75	30	7101 275	1700±2	1.6
Individual luminaire Tanaro, Ø 40 mm, w. white high-performance LEDs on Pracht pcb., 24V, with through-wiring 2x2.5 mm², luminaire rotatable over 360°					
PRR 4022/ 5 P PC LED	12.5	5	7121 213	480±2	0.5
PRR 4022/10 P PC LED	25	10	7121 225	730±2	1.7
PRR 4022/15 P PC LED	37.5	15	7121 238	975±2	0.9
PRR 4022/20 P PC LED	50	20	7121 250	1225±2	1.1
PRR 4022/25 P PC LED	62.5	25	7121 263	1475±2	1.3
PRR 4022/30 P PC LED	75	30	7121 275	1725±2	1.6
Converter in housing, 230 V/50 Hz, Prot.CI.II IP65/IP67					
Converter in external housing 24V/DC	IP65	75	1203 001		
Converter in external housing 24V/DC	IP65	20	1203 002		
Converter 24V/DC	IP67	100	1203 003		
Note: Other wattages and LED colors available upon request, for example, OSRAM POWER Flex®. Tubular housing prachtopal ® upon request.					

Areas of application: Facade illumination, accented illumination, architectural lighting solutions and cold storage facilities.



Tanaro stainless steel mounting clips.



Converter housing IP65.

Luminaire Tubis LED IP68/IP69K

- for outdoor systems down to -25°C.
- equipped with lenses for different beam angles as well as
- RGB version with controller upon request.

Housing: Seamless tubular housing made of polycarbonate (PC, impact-resistant), **prachtopal**® (PMMA, impact-resistant) or glass, essentially resistant against acids and alkalis.

Seals: Short, age-resistant silicone seals.

Electrical components: High-performance LED, converter, through-wiring max. 5 x 2.5 mm².

Installation: Variable mounting points through Pracht stainless steel clips.

Surface mounted luminaire: Suited for ceiling, pendant, horizontal and vertical wall mounting.

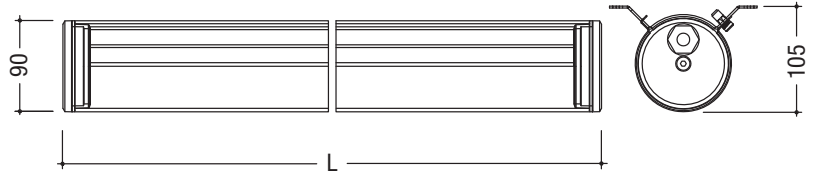
Beam angle: 140° approx.



- IMMEDIATELY high luminous intensity
- Low energy requirements
- High CO₂ reduction
- Long LED service life
- Insensitive to the vibrations
- High protection class
- Protected LED, directed light



*pending



Type	Watt	No. of LEDs	Art.-No.	L (mm)	Weight (kg)
Tubis IP68/IP69K LED without through-wiring, Protection Class I, polycarbonate, clear (impact-resistant), luminaire rotatable over 360°					
PRR 8000/ 5 PC	12.5	5	7201 213	490±2	
PRR 8000/10 PC	25	10	7201 225	745±2	
PRR 8000/15 PC	37.5	15	7201 238	900±2	
PRR 8000/20 PC	50	20	7201 250	1150±2	
PRR 8000/25 PC	62.5	25	7201 263	1355±2	
PRR 8000/30 PC	75	30	7201 275	1655±2	
Tubis IP68/IP69K LED without through-wiring, Protection Class I, prachtopal® (impact-resistant), luminaire rotatable over 360°					
PRR 8000/ 5 PO	12.5	5	7203 213	490±2	
PRR 8000/10 PO	25	10	7203 225	745±2	
PRR 8000/15 PO	37.5	15	7203 238	900±2	
PRR 8000/20 PO	50	20	7203 250	1150±2	
PRR 8000/25 PO	62.5	25	7203 263	1355±2	
PRR 8000/30 PO	75	30	7203 275	1655±2	
Note: For through-wiring, see table on page 74, Tubis LL. Other wattages and LED colors available upon request, for example, OSRAM POWER Flex®.					

Areas of application: Facade illumination, accented illumination, architectural lighting solutions and cold storage facilities.



Luminaire Tubis LED prachtopal® luminaire housing with satin finish, end cap and mounting clip for wire pendant suspension made of stainless steel.



LED heat sink, pcb. and front mounted lenses.



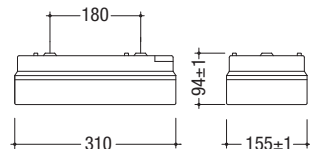
Luminaire Lugano LED

- for open, roofed units down to -25°C.
- equipped with lenses for different beam angles as well as
- RGB version with controller upon request.

Housing: Compact luminaire made of polycarbonate, white, impact-resistant.
Cover: Polycarbonate, clear, interior ribbing or opal.
Seals: Age-resistant silicone seals.
Electrical components: High-performance LEDs, interior converter.
Installation: Through mounting holes in the housing. Suited for surface mounting and recessed mounting.



- IMMEDIATELY high luminous intensity
- Low energy requirements
- High CO₂ reduction
- Long LED service life
- Insensitive to the vibrations
- High protection class
- Protected LED, directed light



Type	Watt	No. of LEDs	Art.-No.	L (mm)	Weight (kg)
Surface mounted luminaire Lugano with clear, impact-resistant PC cover, interior ribbing, for LEDs, hinged fold down cover, single side fixing screw With white high-performance LEDs on Pracht pcb., 24V					
PKA 321/5 P	12.5	5	7321 213	310±2	
Single LED constant current, 350 mA, white					
PKA 321/1 H	1.2	1	7321 011	310±2	
PKA 321/2 H	2.4	2	7321 012	310±2	
PKA 321/3 H	3.6	3	7321 013	310±2	
PKA 321/4 H	4.8	4	7321 014	310±2	
PKA 321/5 H	6	5	7321 015	310±2	
PKA 321/6 H	7.2	6	7321 016	310±2	
Recessed luminaire Lugano with clear, impact-resistant PC cover, interior ribbing, for LEDs, cover, screwed down on two sides With white high-performance LEDs on Pracht pcb., 24V					
PKE 321/5 P	12.5	5	7301 213	310±2	
Single LED constant current, 350 mA, white					
PKE 311/1 H	1.2	1	7301 011	310±2	
PKE 311/2 H	2.4	2	7301 012	310±2	
PKE 311/3 H	3.6	3	7301 013	310±2	
PKE 311/4 H	4.8	4	7301 014	310±2	
PKE 311/5 H	6	5	7301 015	310±2	
PKE 311/6 H	7.2	6	7301 016	310±2	
Note: Other wattages and LED colors available upon request, for example, OSRAM POWER Flex®.					

Areas of application: Accented illumination, accessible cooling cells and illumination of small rooms.



Luminaire Lugano with standard illuminant and accented illumination through LEDs.



Colour, water-tight and dust-tight LED illumination.

Luminaire Taunus LED Luminaire PPR100 LED

- for open, roofed units down to -25°C.
- equipped with lenses for different beam angles as well as
- RGB version with controller upon request.

Housing: Polyester, white, glass-fibre reinforced, essentially resistant against acid and alkalis.

Socket end pieces: One-part push-fit lampholder end pieces made of PBT PBT.
Cover: Width 185 mm, Modul 100, two panel width, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachttopal**® upon request.

Seals: Short, age-resistant silicone seals.

Electrical components: High-performance LEDs and interior converter; through-wiring max. 7 x 2.5 mm².

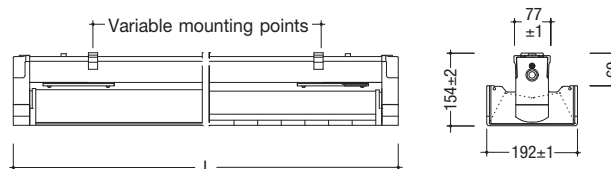
Installation: Variable mounting points due to the Pracht Clip System made of stainless steel. Suited for surface and recessed ceiling mounting, pendant and horizontal wall mounting.



- IMMEDIATELY high luminous intensity
- Low energy requirements
- High CO₂ reduction
- Long LED service life
- Insensitive to the vibrations
- High protection class
- Protected LED, directed light



*pending



Type	LED arrangement	Watt	No. of LEDs	Art.-No.	L (mm)	Weight (kg)
Surface and recessed mounting luminaire Taunus, PMMA cover, clear with LED						
PPR 1000/ 5 PLEX PAN 185	single row	12.5	5	7402 213	350±2	
PPR 1000/10 PLEX PAN 185	single row	25	10	7402 225	636±2	
PPR 1000/15 PLEX PAN 185	single row	37.5	15	7402 238	850±2	
PPR 1000/20 PLEX PAN 185	single row	50	20	7402 250	1246±2	
PPR 1000/25 PLEX PAN 185	single row	62.5	25	7402 263	1546±2	
PPR 1000/30 PLEX PAN 185	double row	75	30	7402 275	1246±2	
Surface and recessed mounting Taunus, polycarbonate cover (PC, impact-resistant), clear with LED						
PPR 1000/ 5 MAK PAN 185	single row	12.5	5	7401 213	350±2	
PPR 1000/10 MAK PAN 185	single row	25	10	7401 225	636±2	
PPR 1000/15 MAK PAN 185	single row	37.5	15	7401 238	850±2	
PPR 1000/20 MAK PAN 185	single row	50	20	7401 250	1246±2	
PPR 1000/25 MAK PAN 185	single row	62.5	25	7401 263	1546±2	
PPR 1000/30 MAK PAN 185	double row	75	30	7401 275	1246±2	
Surface mounted luminaire PPR100, PMMA cover, clear with LED						
PPR 1000/ 5 PLEX	single row	12.5	5	7502 213	350±2	
PPR 1000/10 PLEX	single row	25	10	7502 225	636±2	
PPR 1000/15 PLEX	single row	37.5	15	7502 238	850±2	
PPR 1000/20 PLEX	single row	50	20	7502 250	1246±2	
PPR 1000/25 PLEX	single row	62.5	25	7502 263	1546±2	
PPR 1000/30 PLEX	double row	75	30	7502 275	1246±2	
Surface mounted luminaire PPR100, polycarbonate cover (PC, impact-resistant), clear with LED						
PPR 1000/ 5 MAK	single row	12.5	5	7501 213	350±2	
PPR 1000/10 MAK	single row	25	10	7501 225	636±2	
PPR 1000/15 MAK	single row	37.5	15	7501 238	850±2	
PPR 1000/20 MAK	single row	50	20	7501 250	1246±2	
PPR 1000/25 MAK	single row	62.5	25	7501 263	1546±2	
PPR 1000/30 MAK	double row	75	30	7501 275	1246±2	
Note: For through-wiring, see table on page 92, Troja LED.						
Other wattages and LED colors available upon request, for example, OSRAM POWER Flex®.						

Areas of application: accented illumination, logistics centres, cold storage facilities, architectural lighting solutions and illumination of small rooms.



Surface mounted luminaire PPR200 with white high-performance LEDs up to 25W max., please enquire.



LED version PPR100 with tubular cover Ø90 mm.



Luminaire Troja LED

- for open, roofed units down to -25°C .
- equipped with lenses for different beam angles as well as
- RGB version with controller upon request.

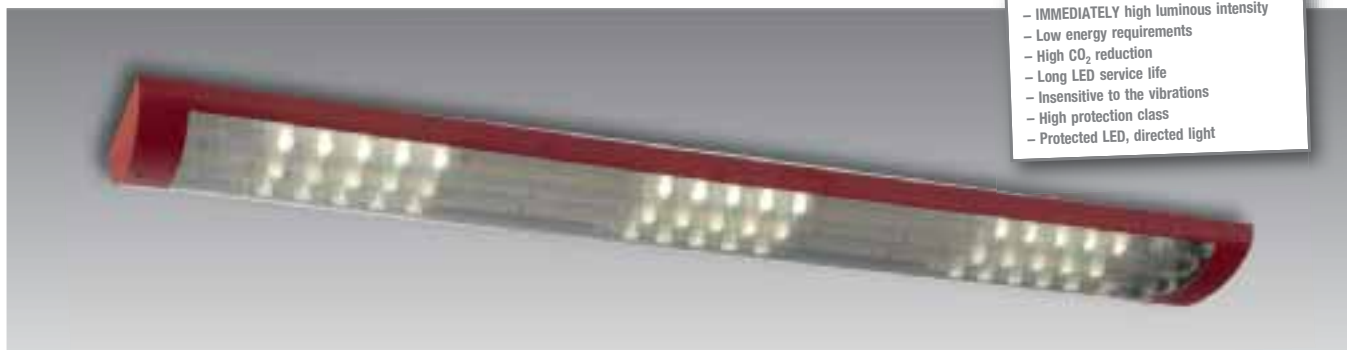
Housing: Low-profile, rugged extruded aluminium profile, vandalism protected, integrate cable channel on the wall/ceiling side.

Cover: Made of polycarbonate (PC, impact-resistant), interior ribbing, supported by an aluminium frame profile and die cast aluminium end caps, white, powder coated, with hexagon or safety closure screws.

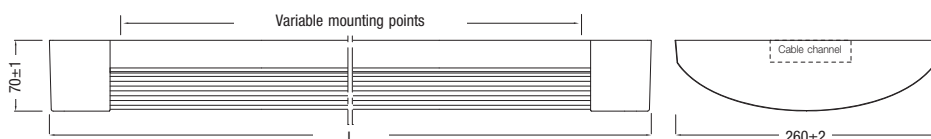
Seals: Circular silicone seal.

Electrical components: High-performance LEDs, converter; through-wiring max. $7 \times 2.5 \text{ mm}^2$.

Installation: Can be mounted by a single fitter, with variable mounting points due to the Pracht Clip System. After mounting of the cover, the mounting clips are protected against unauthorised access.



- IMMEDIATELY high luminous intensity
- Low energy requirements
- High CO₂ reduction
- Long LED service life
- Insensitive to the vibrations
- High protection class
- Protected LED, directed light



Type	LED arrangement	Watt	No. of LEDs	Art.-No.	L (mm)	Weight (kg)
Vandalism protected surface mounted luminaire Troja, without through-wiring, with clear, impact-resistant PC cover, interior ribbing, with LEDs						
PAV 7000/ 5	single row	12.5	5	76-1 213	439±2	
PAV 7000/10	single row	25	10	76-1 225	705±2	
PAV 7000/15	single row	37.5	15	76-1 238	900±2	
PAV 7000/20	single row	50	20	76-1 250	1150±2	
PAV 7000/25	single row	62.5	25	76-1 275	1615±2	
PAV 7000/30	double row	75	30	76-1 275	1315±2	
Further versions: Double or triple row LED arrangements as well as other lengths are available upon request. External converter arrangement depending on requirements.						
Note when ordering through-wiring:						
Please complete the 3. digit „“ of the Art.-No. as follows:				Digit	Extra cost	
Without through wiring				0		
Through-wiring 2 x 1.5 mm ²				1		
Through-wiring 2 x 2.5 mm ²				2		
Through-wiring 3 x 1.5 mm ²				3		
Through-wiring 3 x 2.5 mm ²				4		
Through-wiring 4 x 1.5 mm ²				5		
Through-wiring 4 x 2.5 mm ²				6		
Through-wiring 5 x 1.5 mm ²				7		
Through-wiring 5 x 2.5 mm ²				8		
Through-wiring 4 x 1.5 mm ² + 2 x 1.5 mm ²				9		
Note: Other wattages and LED colors available upon request, for example, OSRAM POWER Flex®. Graffiti Protect System upon request.						

Areas of application: Accented illumination, architectural lighting solutions and illumination of small rooms.



Luminaire Troja LED with additional coloured accented illumination.



Vandalism protected cover with stainless steel retaining strap



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BVG

Fahrscheine
Tickets




BVG

Fahrscheine
Tickets

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Vandalism

Your advantages

- Housing made of rustproof stainless steel or aluminium
- Impact-resistant covers
- Safety closure locks
- RAL colours available upon request
- Graffiti Protect System
- Concealed cable entries

Areas of application

- Car parks
- Pedestrian underpasses and passageways in public areas
- Prisons
- Train stations
- Public transportation services
- Trade and industry


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Ausgang
Stadtpark Robend 



Recessed luminaire Patmos T8

Vandal resistant recessed luminaire for FL T8/26 mm

T5 available upon request

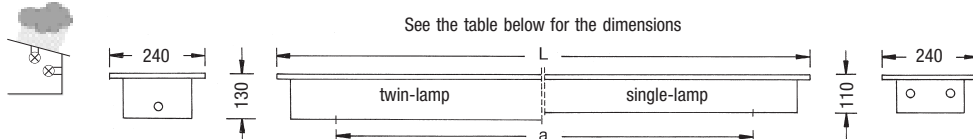


Housing: Made of stainless steel, white inside and outside, built-in Protection Class II IP65 luminaire.
Lamp cover: Diffuser made of polycarbonate (PC, impact-resistant) integrated into a stainless steel frame with hexagon socket screws.
Seals: High-quality circular gasket.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 5 x 2.5 mm².
Installation: Installation in recesses, flush with the wall.



Installed luminaire

Luminaire housing: Insect-proof
 Installed luminaire: IP65 Protection Class II
 230 V/50 Hz



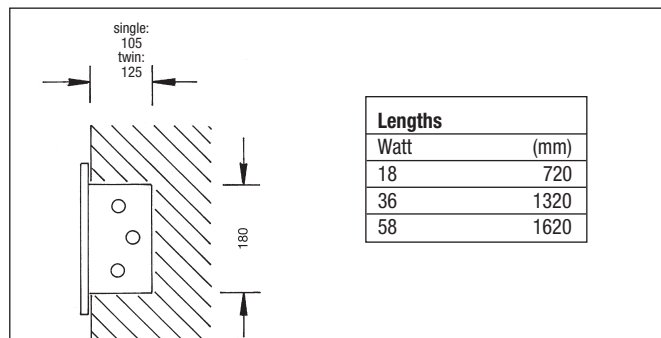
See the table below for the dimensions

Type	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Recessed luminaire, single-lamp, housing made of stainless steel, white inside and outside, with impact-resistant polycarbonate (PC) diffuser						
EBL 140/1 S	1 x 18	467 100	467 101	467 103	760±2	7.0
EBL 140/3 S	1 x 36	467 230	467 231	467 233	1360±2	8.5
EBL 140/5 S	1 x 58	467 360	467 361	467 363	1660±2	11.0
Ordering information: When ordering with asymmetric internal reflectors, change the first three digits to 469...(extra cost)						
Recessed luminaire, twin-lamp, housing made of stainless steel, white inside and outside, with impact-resistant polycarbonate (PC) diffuser						
EBL 140/2 S	2 x 18	467 130	467 131	467 133	760±2	7.6
EBL 140/4 S	2 x 36	467 260	467 261	467 263	1360±2	9.8
EBL 140/6 S	2 x 58	467 400	467 401	467 403	1660±2	12.0
Custom recess dimensions: Upon request						
Note: T5 version with asymmetric light distribution is available upon request!						

Areas of application: Lighting for structures with low ceilings, car parks, pedestrian underpasses, passageways in public areas, correctional facilities, police departments, public transport.

L (mm)	B (mm)	H (mm)	a (mm)
760	240	110	460
1360	240	110	1060
1660	240	110	1360

L (mm)	B (mm)	H (mm)	a (mm)
760	240	130	460
1360	240	130	1060
1660	240	130	1360



Installation example in a concrete recess.



Frame made of brushed stainless steel.



Installation example in a staircase.

Surface-mounted luminaire Samos T8

Vandalism protected surface mounted luminaire for FL T8/26 mm

T5 available upon request



Housing: Rugged extruded aluminium profile, vandal resistant, end caps made of stainless steel with hexagon socket closure screws, built-in Protection Class II IP65 luminaire.

Lamp cover: Made of impact-resistant polycarbonate (PC, impact-resistant), either with or without reflector, either clear or opal.

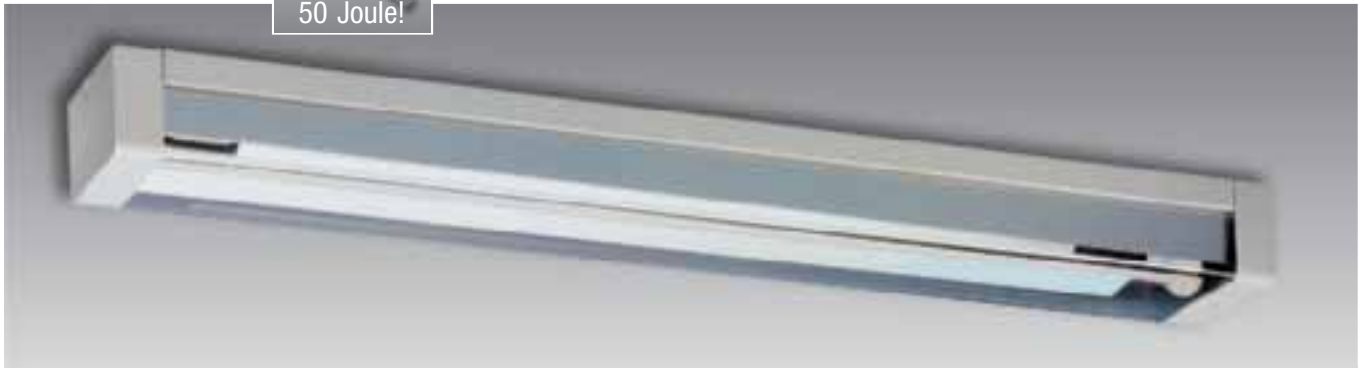
Seals: High-quality circular gasket.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 5 x 2.5 mm².

Installation: Through four mounting holes in the ceiling or wall.

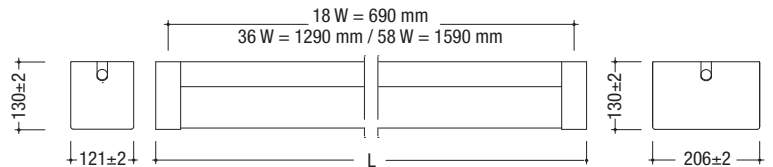


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Installed luminaire

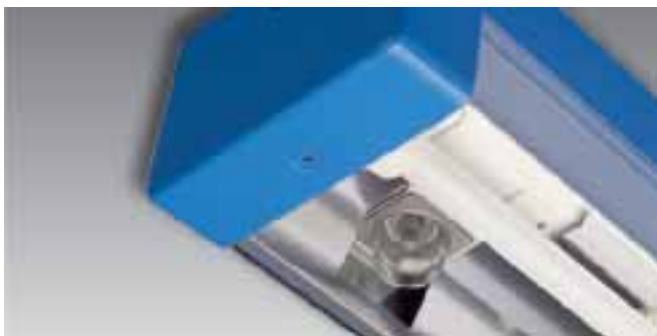
Luminaire housing: Insect-proof
 Installed luminaire: IP65 SK II
 230 V/50 Hz
 IK 10* (50 Joule) according to DIN EN 50102



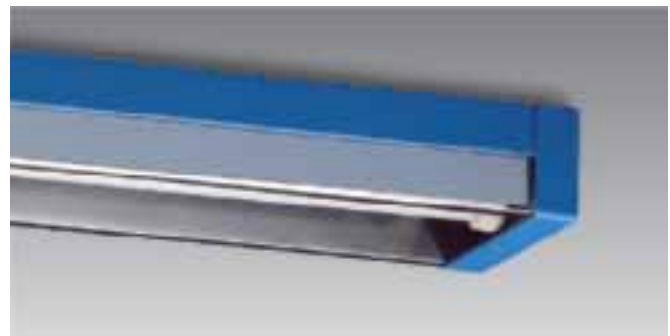
Type (VDE-designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire Samos 115, single-lamp, opal cover, polycarbonate (PC impact-resistant)						
PVA 150/1	1 x 18	470 110	470 111	470 113	750±2	6.0
PVA 150/3	1 x 36	470 240	470 241	470 243	1350±2	6.5
PVA 150/5	1 x 58	470 370	470 371	470 373	1650±2	11.0
Luminaire Samos 115, single-lamp, clear cover, polycarbonate (PC impact-resistant), with interior specular reflector, wide-beam						
PVA 151/1	1 x 18	471 110	471 111	471 113	750±2	6.0
PVA 151/3	1 x 36	471 240	471 241	471 243	1350±2	6.5
PVA 151/5	1 x 58	471 370	471 371	471 373	1650±2	11.0
Luminaire Samos 200, single-lamp, clear cover, polycarbonate (PC impact-resistant), with interior specular reflector, wide-beam						
PVAB 160/1	1 x 18	472 110	472 111	472 113	750±2	7.5
PVAB 160/3	1 x 36	472 240	472 241	472 243	1350±2	14.5
PVAB 160/5	1 x 58	472 370	472 371	472 373	1650±2	17.5
Luminaire Samos 200, single-lamp, clear cover, polycarbonate (PC impact-resistant), with interior specular reflector, asymmetric beam						
PVAS 160/1	1 x 18	474 110	474 111	474 113	750±2	7.5
PVAS 160/3	1 x 36	474 240	474 241	474 243	1350±2	14.5
PVAS 160/5	1 x 58	474 370	474 371	474 373	1650±2	17.5
Luminaire Samos 200, twin-lamp, clear cover, polycarbonate (PC impact-resistant), with interior specular reflector, wide-beam						
PVAB 160/2	2 x 18	472 140	472 141	472 143	750±2	8.0
PVAB 160/4	2 x 36	472 270	472 271	472 273	1350±2	16.0
PVAB 160/6	2 x 58	472 410	472 411	472 413	1650±2	18.5

Note: T5 and other versions as well as special light distributions and covers are available upon request!

Areas of application: Lighting for structures with low ceilings, car parks, pedestrian underpasses, passageways in public areas, correctional facilities, police departments, public transport.



Version with additional emergency light socket.



Version with internal specular reflector.

01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism



Surface-mounted luminaire Rodello

Vandal resistant surface-mounted luminaire
Elegant circular luminaire for indoor and outdoor applications

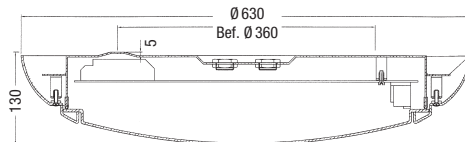
Housing: Aluminium (raw material 3 mm).
Lamp cover: Impact-resistant and ultraviolet light resistant PMMA or polycarbonate (PC, impact-resistant), either opal or clear textured design, securely connected to the housing by a retaining strap.
Electrical components: Electronic ballast.
Installation: Wall or ceiling mounting.



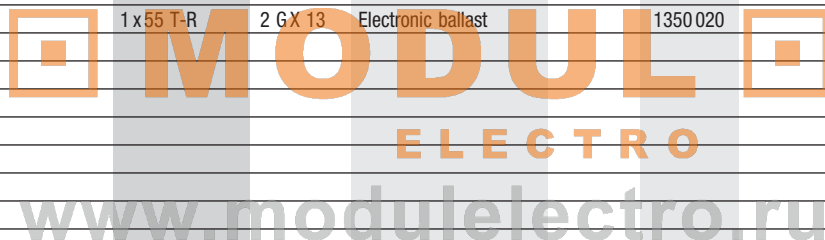
Protection Class I according to VDE 0711/EN 60598
Ingress protection IP54
230 V/50 Hz



Optional: Protection Class II IP65



Type	Watt	Backplate	Ballasts	Electronic ballast		Ø (mm)	Weight (kg)
				Art.-No.			
Circular luminaire Rodello, with clear impact-resistant cover, for compact fluorescent lamps or FL-lamps in ring formations							
RA-L 1	3 x 24 TC-L	2 G 11	Electronic ballast	1350 010		630±3	7.7
RA-L 2	3 x 24 TC-F	2 G 10	Electronic ballast	1350 015		630±3	7.8
RA-L 3	1 x 55 T-R	2 GX 13	Electronic ballast	1350 020		630±3	7.5



Note: Other versions and RAL colours are available upon request.

Areas of application: Roofed-in areas, tunnels, pedestrian underpasses, passageways and distributions.



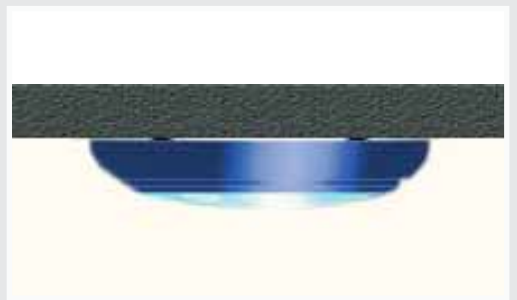
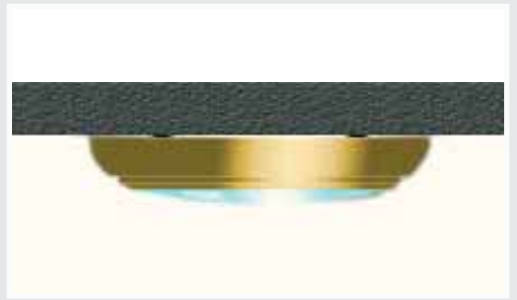
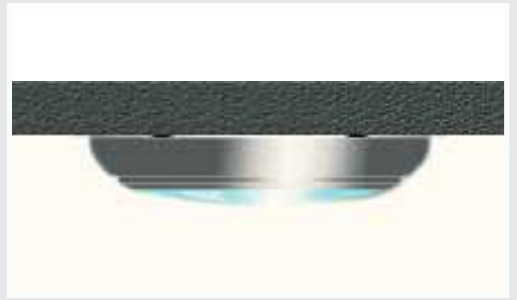
„IN/OUT WIRING“ cable entries on the ceiling side.



Lamp cover and luminaire housing are securely connected by the retaining strap.



Rodello luminaire is available in different RAL colours



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Product Advantages Vandal-resistant luminaire Troja



- Vandal protected lamp cover with stainless steel retaining strap
- End caps, frame and cover are securely connected



- Single lamp version T8/26 mm with narrow beam reflector



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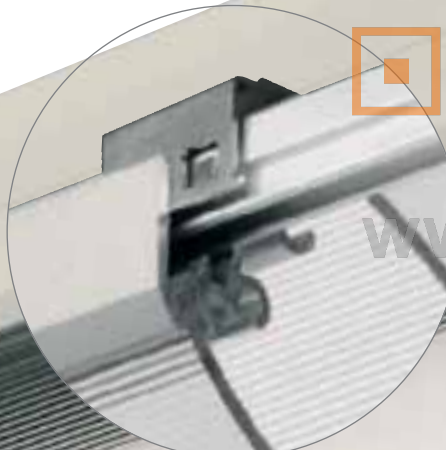
- Concealed cable entries
- Cable channel on the ceiling side

Product Advantages Vandal-resistant luminaire Troja

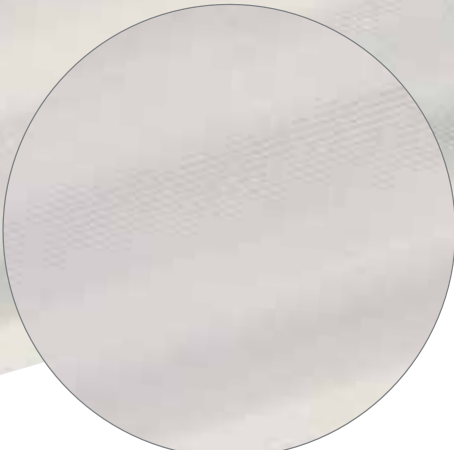


- Twin-lamp version T5/16 mm with wide beam reflector

- Variable mounting points
- Mounting clips no longer accessible through the lamp cover



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- Lamp cover with internal ribbing, smooth outside surface



- Optionally with M6 safety screw, different versions are available!

- Simple mains connection





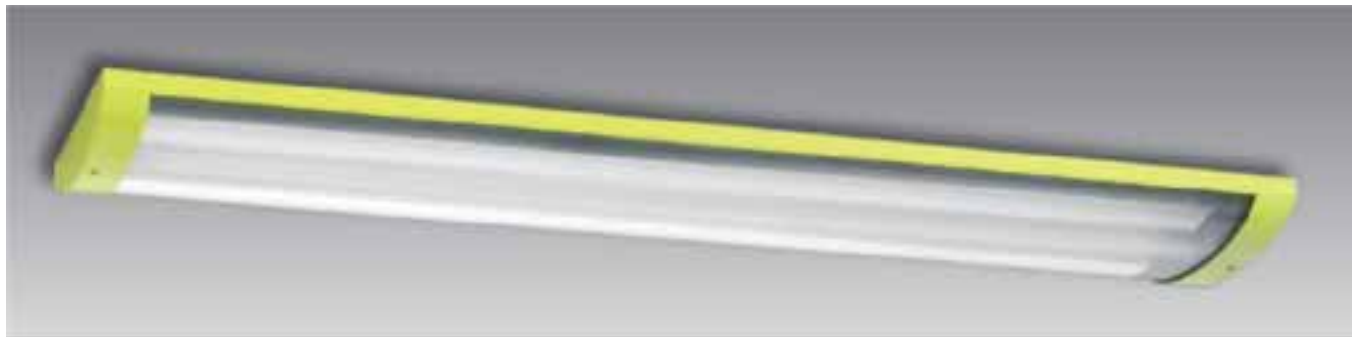
Vandal-resistant luminaire Troja T8/26 mm

for FL T8/26 mm

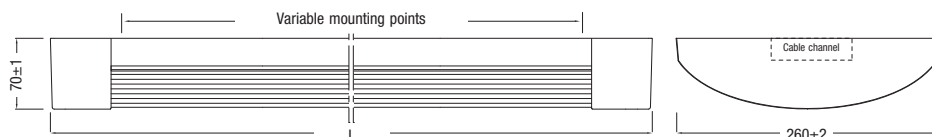
Protection class I or II

Services trunking Troja, see page 106

Housing: Low-profile, rugged extruded aluminium profile, vandal resistant, white powder-coated, integrated cable channel on the side of the ceiling/wall.
Lamp cover: Made of impact-resistant polycarbonate (PC, impact-resistant), internal ribbing, optionally with Graffiti Protect System, set in an aluminium frame and with die cast aluminium end caps with hexagon socket screws or safety closure screws.
Seals: Circular silicone gasket.
Electrical components: Low loss ballast, starter or electronic ballast, through-wiring max. 7x2.5 mm².
Installation: The Pracht Clip System with its variable mounting points allows for mounting by a single fitter only. The mounting clips are protected against unauthorised access once the lamp cover has been installed.



Protection Class I or II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type	Watt	Ballast type			L (mm)	Weight (kg)
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.		
Individual luminaire Troja, without through-wiring (see note on page 105), T8, SK I, wide-beam						
PAV 700/1	1 x 18	6701 · 15	6701 · 16	6701 · 18	705±2	4.2
PAV 700/3	1 x 36	6703 · 15	6703 · 16	6703 · 18	1315±2	6.9
PAV 700/5	1 x 58	6705 · 15	6705 · 16	6705 · 18	1615±2	8.6
PAV 700/2	2 x 18	6702 · 15	6702 · 16	6702 · 18	705±2	5.2
PAV 700/4	2 x 36	6704 · 15	6704 · 16	6704 · 18	1315±2	7.9
PAV 700/6	2 x 58	6706 · 15	6706 · 16	6706 · 18	1615±2	9.9
Individual luminaire Troja, without through-wiring (see note on page 105), TC-L, SK I, wide-beam						
PAV 700/52	1 x 24 TC-L			6752 · 18	439±2	4.4
PAV 700/55	1 x 55 TC-L			6755 · 18	661±2	8.8
Individual luminaire Troja, without through-wiring (see note on page 105), T8, SK II, wide-beam						
PAV 700/1	1 x 18	6701 · 10	6701 · 11	6701 · 13	705±2	4.4
PAV 700/3	1 x 36	6703 · 10	6703 · 11	6703 · 13	1315±2	6.9
PAV 700/5	1 x 58	6705 · 10	6705 · 11	6705 · 13	1615±2	8.6
PAV 700/2	2 x 18	6702 · 10	6702 · 11	6702 · 13	705±2	5.2
PAV 700/4	2 x 36	6704 · 10	6704 · 11	6704 · 13	1315±2	7.9
PAV 700/6	2 x 58	6706 · 10	6706 · 11	6706 · 13	1615±2	9.9
Individual luminaire Troja, without through-wiring (see note on page 105), TC-L, SK II, wide-beam						
PAV 700/52	1 x 24 TC-L			6752 · 13	439±2	4.4
PAV 700/55	1 x 55 TC-L			6755 · 13	661±2	8.8
Through-wiring, see page 105 "Troja T5/16 mm"!						
Extra cost:						
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004				
Electronic ballast Dim Dali (add to el. bal. version)		685 005				
Electronic ballast Industrie (add to el. bal. version)	36/58	685 006				
Note: Narrow and asymmetric beam light distributions and other wattages and paint finishes in RAL colours are available upon request.						

Areas of application: Public transportation facilities, trade and industry, pedestrian underpasses, etc. with direct access to the public.



Luminaire Troja T8, single-lamp version.



Luminaire Troja T5, twin-lamp version.

Vandal-resistant luminaire Troja T5/16 mm

for FL T5/16 mm, Protection Class I or II

Services trunking Troja, see page 106

Housing: Low-profile, rugged extruded aluminium profile, vandal resistant, integrated cable channel on the side of the ceiling/wall.

Lamp cover: Made of impact-resistant polycarbonate (PC), internal ribbing, optionally with Graffiti Protect System, set in an aluminium frame and with die cast aluminium end caps, white, powder coated, with hexagon socket screws or safety closure screws.

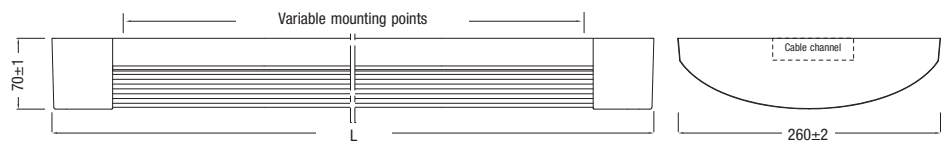
Seals: Circular silicone gasket.

Electrical components: Electronic ballast; through-wiring to max. 7 x 2.5 mm².

Installation: The Pracht Clip System with its variable mounting points allows for mounting by a single fitter only. The mounting clips are protected against unauthorised access once the lamp cover has been installed.



Protection Class I or II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz



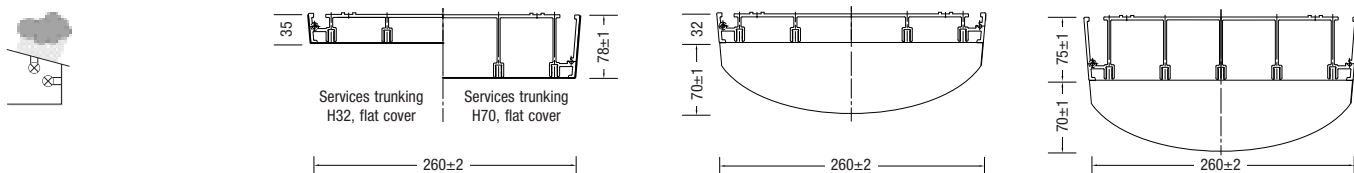
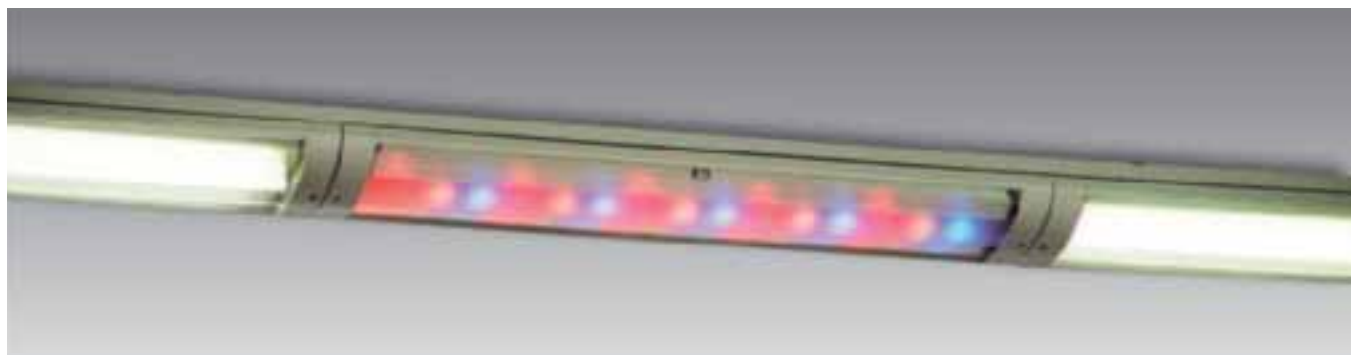
Type	Watt	High efficiency (HE) El. bal.		Watt	High output (HO) El. bal.		L (mm)	Weight (kg)
		Art.-No.			Art.-No.			
Individual luminaire Troja, without through-wiring (see note below), T5, SK I, wide-beam								
PAV 700/..	1 x 14	6741 · 18		1 x 24	6721 · 18		661±2	3.4
PAV 700/..	1 x 21	6743 · 18		1 x 39	6723 · 18		961±2	4.7
PAV 700/..	1 x 28	6745 · 18		1 x 54	6725 · 18		1261±2	6.0
PAV 700/..	1 x 35	6747 · 18		1 x 49	6727 · 18		1561±2	8.6
PAV 700/..				1 x 80	6729 · 18		1561±2	8.6
PAV 700/..	2 x 14	6742 · 18		2 x 24	6722 · 18		661±2	3.6
PAV 700/..	2 x 21	6744 · 18		2 x 39	6724 · 18		961±2	4.9
PAV 700/..	2 x 28	6746 · 18		2 x 54	6726 · 18		1261±2	6.2
PAV 700/..	2 x 35	6748 · 18		2 x 49	6728 · 18		1561±2	8.8
PAV 700/..				2 x 80	6730 · 18		1561±2	8.8
Individual luminaire Troja, without through-wiring (see note below), T5, SK II, wide-beam								
PAV 700/..	1 x 14	6741 · 13		1 x 24	6721 · 13		661±2	3.4
PAV 700/..	1 x 21	6743 · 13		1 x 39	6723 · 13		961±2	4.7
PAV 700/..	1 x 28	6745 · 13		1 x 54	6725 · 13		1261±2	6.0
PAV 700/..	1 x 35	6747 · 13		1 x 49	6727 · 13		1561±2	8.6
PAV 700/..				1 x 80	6729 · 13		1561±2	8.6
PAV 700/..	2 x 14	6742 · 13		2 x 24	6722 · 13		661±2	3.6
PAV 700/..	2 x 21	6744 · 13		2 x 39	6724 · 13		961±2	4.9
PAV 700/..	2 x 28	6746 · 13		2 x 54	6726 · 13		1261±2	6.2
PAV 700/..	2 x 35	6748 · 13		2 x 49	6728 · 13		1561±2	8.8
PAV 700/..				2 x 80	6730 · 13		1561±2	8.8
Note when ordering through-wiring:								
Please add to the Art. No. at the 5th digit " · ":		Number	Extra Costs					
Without through-wiring		0						
Through-wiring 2 x 1.5 mm ²		1						
Through-wiring 2 x 2.5 mm ²		2						
Through-wiring 3 x 1.5 mm ²		3						
Through-wiring 3 x 2.5 mm ²		4						
Through-wiring 4 x 1.5 mm ²		5						
Through-wiring 4 x 2.5 mm ²		6						
Through-wiring 5 x 1.5 mm ²		7						
Through-wiring 5 x 2.5 mm ²		8						
Through-wiring 4 x 1.5 mm ² + 2 x 1.5 mm ²		9						
Extra cost:								
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004						
Electronic ballast Dim Dali (add to el. bal. version)		685 005						
Electronic ballast Industrie (add to el. bal. version)				49/54/80	685 006			
Note: Narrow and asymmetric beam light distributions and other wattages and RAL colours available upon request!								

Areas of application: Public transportation facilities, trade and industry, pedestrian underpasses.



Bernina services trunking

Housing: Low-profile, rugged extruded aluminium profile, white, powder coated.
Cover profile: Rugged aluminium profile, convex or flat with optional Graffiti Protect System, aluminium end cover, convex or flat.
Installation: Attached to the ceiling direct, pendant or 45° corner mounting.



Bernina services trunking	Height: 32 mm	Height: 75 mm
	Art.-No.	Art.-No.
Services trunking, per started meter	601 701	601 751
Standard length 3 m	601 703	601 753
Maximum length 6 m	upon request	upon request
Accessories for services trunking, height 32 and height 75 mm:		
Cover profile convex, per started meter	601 711	
Cover profile flat, height 35, per started meter	601 761	
Cover profile flat, height 78, per started meter		601 771
T-piece, convex	601 739	
Corner mounting bracket	601 721	
End cover for corner mounting	601 722	
Cable retainer	601 635	
Coupling made of stainless steel (connector), two are required to joint	601 639	
Loudspeaker punch-out according to customer specifications	601 724	
Loudspeaker installation kit according to customer specifications	601 725	
Graffiti Protect System for service trunking	601 726	
Graffiti Protect System for cover profile	601 727	
Mitre cut	601 730	
Double mitre cut	601 731	
Trunking profile suspension according to customer specifications		
Services trunking end cap, flat 35 (see top left figure!)	601 641	
Services trunking end cap, flat H78 (see top left figure!)		601 650
Services trunking end cap, convex H102 (see top middle figure!)	601 640	
Services trunking end cap, convex H145 (see top right figure!)		601 651
Taking of dimensions		
Making a structural analysis		
RAL colour finish acc. to customer specifications		

Areas of application: Public transportation facilities, trade and industry, pedestrian underpasses.



45° corner mounting for illumination of escalators and access passageways.



45° corner mounting of the services trunking with double mitre cut.

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Stützpunkt Roland →

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Your advantages

- Suited for special fields of application involving very difficult conditions
- Long service life due to the extremely short age-resistant silicone sealing system
- Special solutions for high and low temperatures
- Exceptionally robust and stable

Areas of application

- Chemical industry
- Wood processing industry and cabinetmakers
- Textiles industry
- Power and heat supply stations
- Areas near blast furnaces
- Paper and ceramics industries
- Commercial kitchens
- Greenhouses
- Food industry



Pracht

01 Batten luminaires
with reflectors

02 Tubular
luminaires

03 Basic Line

04 LED

05 Vancialism

06 Special
luminaires

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Maintenance pit luminaires Malta DD T8 and Hohenfels SR T8

for FL T8/26 mm, single-lamp

T5/16 mm upon request

Housing: Seamless luminaire housing made of white, fiberglass-reinforced polyester, essentially fully resistant against fuels, oils, acids and alkalis.

Socket end pieces: One-piece push-fit lampholder ends made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector made of **prachtopal**[®], impact-resistant.

Seals: Short, age-resistant silicone seals.

Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm², oil-proof threaded connection M20.

Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling, pendant and horizontal wall mounting.



Malta

Utmost energy efficiency owing to modern **pralux**[®] engineering!



Hohenfels

Utmost energy efficiency owing to modern **pralux**[®] engineering!



Protection Class II acc. to VDE 0711/EN 60598

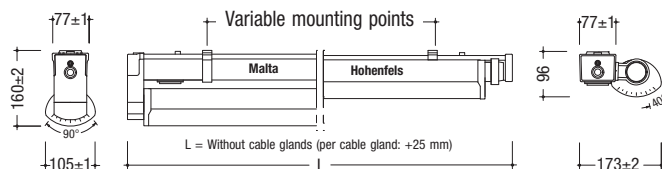
Ingress protection IP65

Dust-proof

Jet-proof

Shock (RC) 0.63*

230V/50 Hz



Type (VDE-designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Maintenance pit luminaire Malta, with adjustable parabolic mirror reflector made of prachtopal[®], impact-resistant, with centering and retaining springs, made of stainless steel, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 PSR-PO-DD	1 x 18	413 100	413 101	413 103	636±2	2.6
PPR DD 112/3 PSR-PO-DD	1 x 36	413 230	413 231	413 233	1246±2	3.3
PPR DD 112/5 PSR-PO-DD	1 x 58	413 360	413 361	413 363	1546±2	4.3
Maintenance pit luminaire Hohenfels, extremely low-profile design, with adjustable parabolic mirror reflector made of prachtopal[®], impact-resistant, with centering and retaining springs made of stainless steel, with through-wiring 2 x 1.5 mm²						
PPR SR 112/1 PSR-PO-SR	1 x 18	410 100	410 101	410 103	662±2	2.6
PPR SR 112/3 PSR-PO-SR	1 x 36	410 230	410 231	410 233	1272±2	3.3
PPR SR 112/5 PSR-PO-SR	1 x 58	410 360	410 361	410 363	1572±2	4.3
Replacement parts:						
Malta Parabolic mirror reflector	18	614 601				
with centering and retaining springs	36	614 603				
prachtopal [®] , impact-res; PSR-PO-DD	58	614 605				
with thumb screw f. push-fit lampholder	KNS	699 444				
Hohenfels Parabolic mirror reflector	18	614 501				
with centering and retaining springs	36	614 503				
prachtopal [®] , impact-res.; PSR-PO-SR	58	614 505				
Through-wiring 4 x 1.5 mm ² –	18	690 114				
2 captive continuous mounting covers	36	690 314				
Extra cost for 2 x 1.5 mm ²	58	690 514				
Through-wiring 4 x 2.5 mm ² –	18	690 124				
2 captive continuous mounting covers	36	690 324				
Extra cost for 4 x 1.5 mm ²	58	690 524				
Extra cost:						
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004				
Electronic ballast Dim Dali (add to el. bal. version)		685 005				
Electronic ballast Industry (add to el. bal. version)	36/58	685 006				
*Shock version		100 999				

Areas of application: Maintenance pits, car washes, automobile repair shops, public transport, chemical industry.



Push-fit lampholder with thumb screw for easier maintenance (lamp replacement).



Hohenfels luminaire, extremely low profile for recesses.

Luminaire Hünstein T8

for FL T8/26 mm

with push-fit lampholders, single-lamp asymmetric beam

Utmost energy efficiency owing to modern **pralux**® engineering!

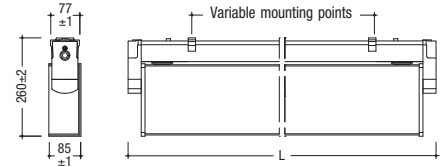
Housing: Seamless luminaire housing made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact-resistant.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Asymmetric beam, made of acrylic glass (PMMA) or polycarbonate (PC).
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling, pendant and horizontal wall mounting.



Listed with the Deutsche Bahn AG

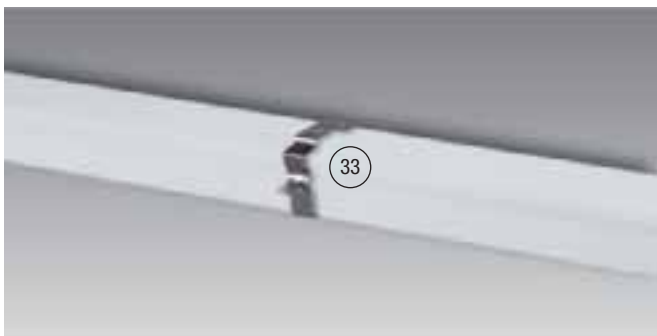


Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire for individual and continuous mounting, with lamp cover made of acrylic glass, asymmetric beam, with stainless steel centering and retaining springs and through-wiring 2 x 1.5 mm²						
PPR DD 112/1 LASA 185 PLEX	1 x 18	405 100	405 101	405 103	636±2	2.6
PPR DD 112/3 LASA 185 PLEX	1 x 36	405 230	405 231	405 233	1246±2	4.2
PPR DD 112/5 LASA 185 PLEX	1 x 58	405 360	405 361	405 363	1546±2	6.5
Replacement parts:						
Hünstein Lamp cover, asymmetric beam	18	617 771				
Clear acrylic glass, LASA-PLEX-DD	36	617 773				
	58	617 775				
Lamp cover, asymmetric beam	18	617 781				
Polycarbonate, clear, impact-resistant	36	617 783				
LASA-MAK-DD	58	617 785				
Through-wiring 4 x 1.5 mm ²	18	690 114				
2 captive continuous mounting covers,	36	690 314				
Add extra cost to 2 x 1.5 mm ²	58	690 514				
Through-wiring 4 x 2.5 mm ²	18	690 124				
2 captive continuous mounting covers,	36	690 324				
Add extra cost to 4 x 1.5 mm ²	58	690 524				
Nipple coupling 2 x 1.5 mm ² = 10A		601 206				
Nipple coupling 4 x 1.5 mm ² = 10A		601 205				
Nipple coupling 4 x 2.5 mm ² = 16A		602 205				
Extra cost:						
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004				
Electronic ballast Dim Dali (add to el. bal. version)		685 005				
Electronic ballast Industry (add to el. bal. version)	36/58	685 006				

Areas of application: The Hünstein line is particularly suited for use on loading ramps, gate and courtyard lighting, security for structures, car washes, etc. Lamps arranged for asymmetric beams.



Bracket mounting clip 33

Art.-No. 690 033



Fracture-proof, acid resistant, one-piece push-fit lampholder housing.

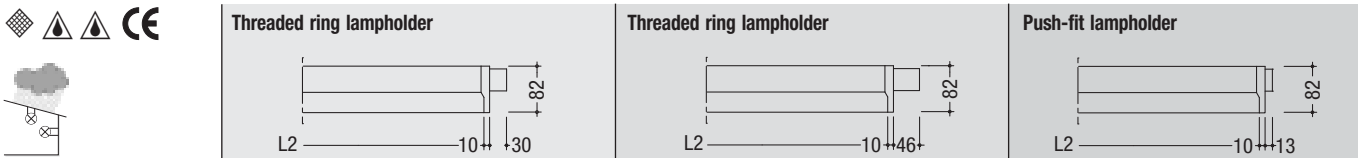
01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires



Reflectors with heat retaining tubes for outdoor applications at temperatures down to -20°C

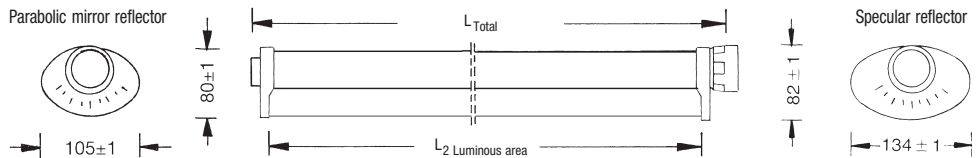
for FL T8/26 mm

Utmost energy efficiency owing to modern **pralux**® engineering!



Type	W	Threaded ring lampholder			Threaded ring lampholder			Push-fit lampholder		
		Conn. piece 30, dual slot Art.-No.	L _{total} (mm)	L ₂ (mm)	Conn. piece 46, twist lock Art.-No.	L _{total} (mm)	L ₂ (mm)	Conn. piece DD, dual slot Art.-No.	L _{total} (mm)	L ₂ (mm)
Parabolic mirror reflectors made of acrylic glass (PMMA) with stainless steel centering and retaining springs and integrated heat retaining tube pralux®										
PSR-PLEX-IG-WST	18	611 291	575±2	495±2	611 891	580±2	465±2	631 291	585±2	540±2
PSR-PLEX-IG-WST	36	611 293	1185±2	1105±2	611 893	1190±2	1075±2	631 293	1195±2	1150±2
PSR-PLEX-IG-WST	58	611 295	1485±2	1405±2	611 895	1490±2	1375±2	631 295	1495±2	1450±2
Parabolic mirror reflectors made of polycarbonate (PC) with stainless steel centering and retaining springs and integrated heat retaining tube pralux®										
PSR-MAK-IG-WST	18	611 491	575±2	495±2	611 791	580±2	465±2	631 391	585±2	540±2
PSR-MAK-IG-WST	36	611 493	1185±2	1105±2	611 793	1190±2	1075±2	631 393	1195±2	1150±2
PSR-MAK-IG-WST	58	611 495	1485±2	1405±2	611 795	1490±2	1375±2	631 395	1495±2	1450±2
Parabolic mirror reflectors made of prachtopal® acrylic glass, impact-resistant, w. stainless steel centering & retaining springs and integrated heat retaining tube pralux®										
PSR-PLEX-PO-WST	18	614 591	575±2	495±2	614 581	580±2	465±2	614 691	585±2	540±2
PSR-PLEX-PO-WST	36	614 593	1185±2	1105±2	614 583	1190±2	1075±2	614 693	1195±2	1150±2
PSR-PLEX-PO-WST	58	614 595	1485±2	1405±2	614 585	1490±2	1375±2	614 695	1495±2	1450±2
Specular reflectors, wide-beam, made of acrylic glass (PMMA) with stainless steel centering and retaining springs and integrated heat retaining tube pralux®										
HLR-BREIT-PLEX-WST	18	611 281	575±2	495±2				631 281	585±2	540±2
HLR-BREIT-PLEX-WST	36	611 283	1185±2	1105±2				631 283	1195±2	1150±2
HLR-BREIT-PLEX-WST	58	611 285	1485±2	1405±2				631 285	1495±2	1450±2
Specular reflectors, wide beam, made of polycarbonate (PC) with stainless steel centering and retaining springs and integrated heat retaining tube pralux®										
HLR-BREIT-MAK-WST	18	611 481	575±2	495±2				631 491	585±2	540±2
HLR-BREIT-MAK-WST	36	611 483	1185±2	1105±2				631 493	1195±2	1150±2
HLR-BREIT-MAK-WST	58	611 485	1485±2	1405±2				631 495	1495±2	1450±2
Specular reflectors, narrow-beam, made of acrylic glass (PMMA) with stainless steel centering and retaining springs and integrated heat retaining tube pralux®										
HLR-TIEF-PLEX-WST	18	610 191	575±2	495±2				630 191	585±2	540±2
HLR-TIEF-PLEX-WST	36	610 193	1185±2	1105±2				630 193	1195±2	1150±2
HLR-TIEF-PLEX-WST	58	610 195	1485±2	1405±2				630 195	1495±2	1450±2

Note: When using T5/16 mm-FL in outdoor areas, specify heat a retaining tube to improve the luminous intensity – prices upon request.



Heat retaining tube also available for other versions, Fig.: specular reflector.



Twin-lamp version in combination with cross blade louvers available upon request.

PERMANENT T5 -30°C to +30°C

for FL T5/16 mm

with press-fit lampholders,
single- and twin-lamp

Housing: Slim, elegant, seamless luminaire housing made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact-resistant, with stainless steel clip.

Socket: Two-slot plug-in socket.

Lamp cover: Add accessories for completion!

Seals: Short, age-resistant silicone seals.

Electrical components: Ballast: electronic ballast Industry; through-wiring. max. 5 x 2.5 mm².

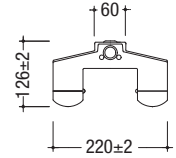
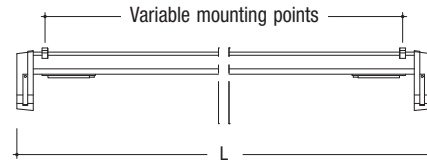
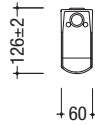
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling, pendant and horizontal wall mounting.

Illuminants: OSRAM T5 HO CONSTANT – mandatory at low temperatures!



Protection Class II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz

Caution! Note the burn-in information issued by the lamp manufacturer!



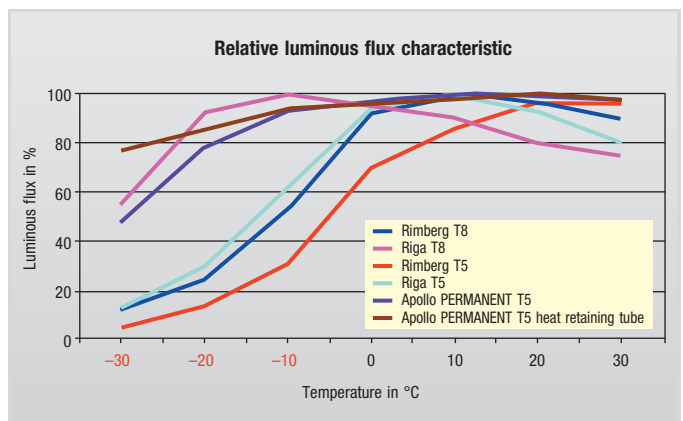
Type (VDE designation)	Watt	Electronic ballast		L (mm)	Weight (kg)
		Art.-No.			
Luminaire for individual and continuous mounting with electronic ballast, two connection covers and through-wiring 2x1.5 mm², with one-part push-fit lamp housings – T5					
PPR DD T5 212/25	1 x 54	5165 873		1197±2	2.9
PPR DD T5 212/29	1 x 80	5165 973		1497±2	3.3
PPR DD T5 212/26	2 x 54	5165 893		1197±2	3.9
PPR DD T5 212/30	2 x 80	5165 993		1497±2	4.3
Note: Other versions are available upon request!					

Cold resistant accessories DUO-SYSTEM T5 PERMANENT	Watt	PSR-Plex PERMANENT	HLR-Breit-Plex PERMANENT	HLR-Tief-Plex PERMANENT	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
PERMANENT reflectors with integrated heat retaining tube for low temperatures and different light distribution curves						
Pracht-DUO-System T5 pralux®	54 HO	3631 236	3631 255	3630 125	1144±2	
Pracht-DUO-System T5 pralux®	80 HO	3631 238	3631 257	3630 127	1444±2	

PERMANENT T5 product advantages

- VDE/ENEC mark
- Convincing T5 technology for low temperatures
- Captive cover
- High degree of chemical resistance

Utmost energy efficiency owing to modern pralux® engineering!



Areas of application: Cold storage, pre-cooling rooms, warehouses maintained at negative temperatures, foodstuff industry.



Pracht Duo system, example of a narrow beam luminaire with high efficiency pralux® reflector.



Apollo DD T5/16 mm twin-lamp, stainless steel retaining clip, single side hinge.

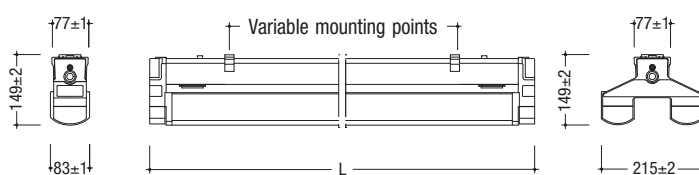


System luminaire Riga T8 down to -25°C

for FL T8/26 mm
 with push-fit lampholders, single- and twin-lamp



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof, Jet-proof
 230V/50 Hz



Type (VDE-designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire Riga, FL cover made of acrylic glass (PMMA), opal-tint, with centering and retaining springs made of stainless steel, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-PLEX-OPAK-WST	1 x 18	1401 100	1401 101	1401 103	636±2	2.4
PPR DD 112/3 VKR-PLEX-OPAK-WST	1 x 36	1401 230	1401 231	1401 233	1246±2	3.4
PPR DD 112/5 VKR-PLEX-OPAK-WST	1 x 58	1401 360	1401 361	1401 363	1546±2	4.5
PPR DD 112/4 VKR-PLEX-OPAK-WST	2 x 36	1401 260	1401 261	1401 263	1246±2	3.4
PPR DD 112/6 VKR-PLEX-OPAK-WST	2 x 58	1401 400	1401 401	1401 403	1546±2	4.5
Luminaire Riga, FL cover made of acrylic glass (PMMA), clear, interior ribbing, with centering and retaining springs made of stainless steel, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-PLEX-IG-WST	1 x 18	1400 100	1400 101	1400 103	636±2	2.4
PPR DD 112/3 VKR-PLEX-IG-WST	1 x 36	1400 230	1400 231	1400 233	1246±2	3.4
PPR DD 112/5 VKR-PLEX-IG-WST	1 x 58	1400 360	1400 361	1400 363	1546±2	4.5
PPR DD 112/4 VKR-PLEX-IG-WST	2 x 36	1400 260	1400 261	1400 263	1246±2	3.4
PPR DD 112/6 VKR-PLEX-IG-WST	2 x 58	1400 400	1400 401	1400 403	1546±2	4.5
Luminaire Riga, FL cover made of polycarbonate (PC), opal-tint, with centering and retaining springs made of stainless steel, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-MAK-OPAK-WST	1 x 18	1401 110	1401 111	1401 113	636±2	2.4
PPR DD 112/3 VKR-MAK-OPAK-WST	1 x 36	1401 240	1401 241	1401 243	1246±2	3.4
PPR DD 112/5 VKR-MAK-OPAK-WST	1 x 58	1401 370	1401 371	1401 373	1546±2	4.5
PPR DD 112/4 VKR-MAK-OPAK-WST	2 x 36	1401 270	1401 271	1401 273	1246±2	3.4
PPR DD 112/6 VKR-MAK-OPAK-WST	2 x 58	1401 410	1401 411	1401 413	1546±2	4.5
Luminaire Riga, FL cover made of polycarbonate (PC), clear, interior ribbing, with centering and retaining springs made of stainless steel, with through-wiring 2 x 1.5 mm²						
PPR DD 112/1 VKR-MAK-IG-WST	1 x 18	1400 110	1400 111	1400 113	636±2	2.4
PPR DD 112/3 VKR-MAK-IG-WST	1 x 36	1400 240	1400 241	1400 243	1246±2	3.4
PPR DD 112/5 VKR-MAK-IG-WST	1 x 58	1400 370	1400 371	1400 373	1546±2	4.5
PPR DD 112/4 VKR-MAK-IG-WST	2 x 36	1400 270	1400 271	1400 273	1246±2	3.4
PPR DD 112/6 VKR-MAK-IG-WST	2 x 58	1400 410	1400 411	1400 413	1546±2	4.5
Extra cost:						
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004				
Electronic ballast Dim Dali (add to el. bal. version)		685 005				
Electronic ballast Industry (add to el. bal. version)	36/58	685 006				
Note: 2 x 18 W version and accessories upon request.						

Areas of application: Roofed, open facilities where a stable luminous flux is required across a wide temperature range.



Additional heat retaining tube for the Riga luminaire in an outdoor application.



Luminaire Riga with opalescent cover.

System luminaire Riga T5 down to -25°C

for FL T5/16 mm

with push-fit lampholders,
single- and twin-lamp

Housing: Slim, elegant, seamless luminaire housing made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket end pieces: One-piece push-fit lampholder end pieces made of PBT, impact-resistant, with clip made of stainless steel.

Socket: Two-slot plug-in socket.

Lamp cover: Elegant, clear cover made of impact-resistant PC, with interior prisms, smooth outside and integrated heat retaining tube.

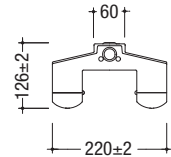
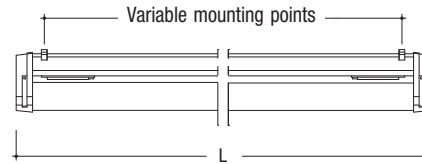
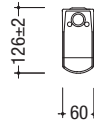
Seals: Short, age-resistant silicone seals.

Electrical components: Electr. ballast; Industrie-EVG (extra cost), through-wiring max. $7 \times 2.5 \text{ mm}^2$.

Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof, Jet-proof
230V/50 Hz



Type	Watt	High efficiency (HE) El.bal.		Watt	High output (HO) El.bal.		L (mm)	Weight (kg)
		Art.-No.			Art.-No.			
Luminaire RIGA T5, FL cover made of impact-resistant polycarbonate (PC), clear, with interior prisms and heat retaining tube, with stainless steel centering and retaining springs, with through-wiring $2 \times 1.5 \text{ mm}^2$, at low temperatures the use of OSRAM T5 HO CONSTANT illuminants is mandatory!								
PPR DD T5 212/.. / VKR-MAK-IG-WST	1 x 14	5403 103		1 x 24	5403 513		597±2	2.4
PPR DD T5 212/.. / VKR-MAK-IG-WST	1 x 21	5403 233		1 x 39	5403 743		897±2	3.1
PPR DD T5 212/.. / VKR-MAK-IG-WST	1 x 28	5403 363		1 x 54	5403 873		1197±2	3.7
PPR DD T5 212/.. / VKR-MAK-IG-WST	1 x 35	5403 433		1 x 49	5403 923		1497±2	4.5
PPR DD T5 212/.. / VKR-MAK-IG-WST				1 x 80	5403 973		1497±2	4.5
PPR DD T5 212/.. / VKR-MAK-IG-WST	2 x 14	5403 133		2 x 24	5403 533		597±2	2.9
PPR DD T5 212/.. / VKR-MAK-IG-WST	2 x 21	5403 263		2 x 39	5403 763		897±2	3.8
PPR DD T5 212/.. / VKR-MAK-IG-WST	2 x 28	5403 403		2 x 54	5403 893		1197±2	4.4
PPR DD T5 212/.. / VKR-MAK-IG-WST	2 x 35	5403 463		2 x 49	5403 943		1497±2	5.4
PPR DD T5 212/.. / VKR-MAK-IG-WST				2 x 80	5403 993		1497±2	5.4
Extra cost:								
Electronic ballast Dim 1–10V		685 004						
Electronic ballast Dim Dali		685 005						
Electronic ballast Industry				49/54/80	685 006			
Silicone-free design		685 009						

Additional cost for through-wiring	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
	Art.-No.	Art.-No.	Art.-No.	Art.-No.
Through-wiring $4 \times 1.5 \text{ mm}^2 = 10\text{A}$	691 114	691 214	691 314	691 514
Through-wiring $4 \times 2.5 \text{ mm}^2 = 16\text{A}$	691 124	691 224	691 324	691 524

Areas of application: Roofed, open facilities where a stable luminous flux is required across a wide temperature range.



Maintenance-friendly connection compartment owing to XXL cover L = 360 mm. Ordering Art.-No. for XXL-cover: 692.210.



Luminaire Riga T5 with integrated heat retaining tube.

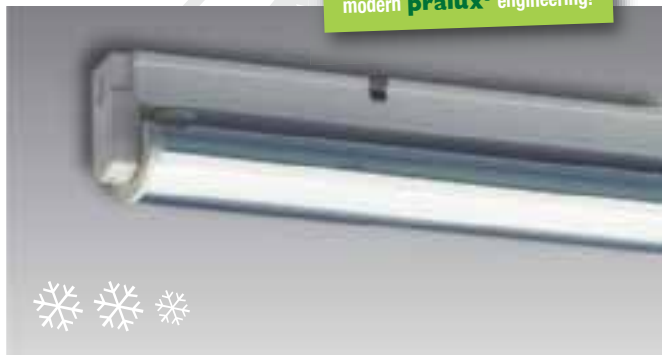


Cold storage luminaire Alaska T8 down to -25°C

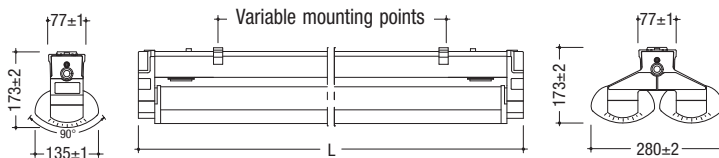
for FL T8/26 mm, single- and twin-lamp

LED variants see page 91.

Utmost energy efficiency owing to modern **pralux**® engineering!



Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE-designation)	Watt	Inductive			Compensated			Electronic ballast			L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.				
Cold storage luminaires for individual and continuous mounting, T_{amb} = -25°C, through-wiring 3x1.5 mm², with adjustable specular reflector made of clear acrylic glass (PMMA), wide-beam, with centering and retaining springs, with push-fit lampholders, designed to be resistant to cold, Pracht Cold Contact System												
PTK DD 913/1 HLR-PLEX-BREIT-K pralux ®	1 x 18	1456 100		1456 101		1456 103		636±2		3.9		
PTK DD 913/3 HLR-PLEX-BREIT-K pralux ®	1 x 36	1456 300		1456 301		1456 303		1246±2		4.5		
PTK DD 913/4 HLR-PLEX-BREIT-K pralux ®	2 x 36	1456 260		1456 261		1456 263		1246±2		7.3		
PTK DD 913/5 HLR-PLEX-BREIT-K pralux ®	1 x 58	1456 430		1456 431		1456 433		1546±2		5.7		
PTK DD 913/6 HLR-PLEX-BREIT-K pralux ®	2 x 58	1456 400		1456 401		1456 403		1546±2		9.5		
Replacement parts: Specular reflector, wide-beam, with stainless steel centering and retaining springs, Pracht DUO Cold Contact System												
HLR-PLEX-BREIT-K-DD pralux ®	18	614 251										
HLR-PLEX-BREIT-K-DD pralux ®	36	614 253										
HLR-PLEX-BREIT-K-DD pralux ®	58	614 255										
Cold storage luminaires for individual and continuous mounting, T_{amb} = -25°C, through-wiring 3x1.5 mm², with adjustable specular reflector made of clear acrylic glass (PMMA), narrow-beam, with centering and retaining springs, with push-fit lampholders, designed to be resistant to cold, Pracht Cold Contact System												
PTK DD 913/1 HLR-PLEX-TIEF-K pralux ®	1 x 18	1457 100		1457 101		1457 103		636±2		3.9		
PTK DD 913/3 HLR-PLEX-TIEF-K pralux ®	1 x 36	1457 300		1457 301		1457 303		1246±2		4.5		
PTK DD 913/4 HLR-PLEX-TIEF-K pralux ®	2 x 36	1457 260		1457 261		1457 263		1246±2		7.3		
PTK DD 913/5 HLR-PLEX-TIEF-K pralux ®	1 x 58	1457 430		1457 431		1457 433		1546±2		5.7		
PTK DD 913/6 HLR-PLEX-TIEF-K pralux ®	2 x 58	1457 400		1457 401		1457 403		1546±2		9.5		
Replacement parts: Specular reflector, narrow-beam, with stainless steel centering and retaining springs, Pracht DUO Cold Contact System												
HLR-PLEX-TIEF-K-DD pralux ®	18	613 251										
HLR-PLEX-TIEF-K-DD pralux ®	36	613 253										
HLR-PLEX-TIEF-K-DD pralux ®	58	613 255										
Through-wiring 5 x 1.5 mm ²	36	690 316										
Built-in cold-resistant through-wiring	58	690 518										
Thumb screw for push-fit lampholder	KNS	699 444										
Accessories: Cold-resistant plug and coupling												
Electronic ballast Dim Dali (add to el. bal. version)		685 005										
Electronic ballast Industrie (add to el. bal. version)	36/58	685 006										

Areas of application: Cold storage and deep-freezing houses, pre-cooling rooms, cooling houses and warehouses, lighting of structural exteriors, milk and yoghurt industry, seafood processing plants, meat processing plants, slaughter houses



Push-fit lampholder with thumb screw for easier maintenance (lamp replacement).



Twin-lamp, one-piece, stable push-fit lampholder.

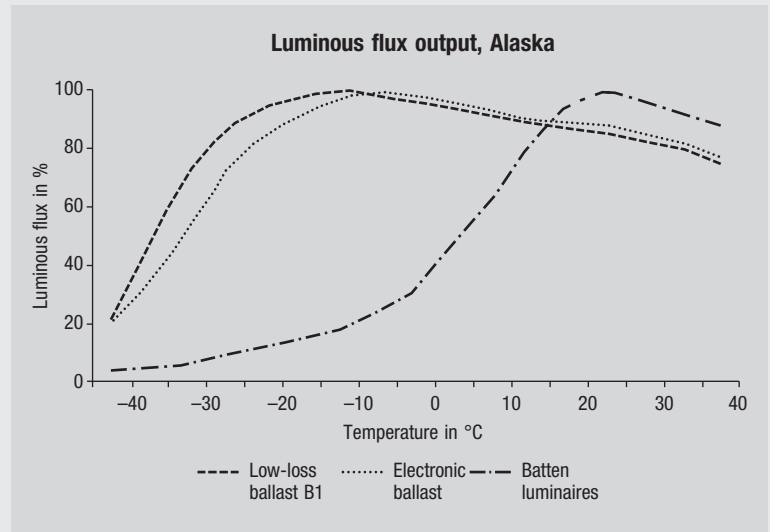
Product advantages Alaska line T8 down to -25°C

Utmost energy efficiency owing to modern **pralux**® engineering!



Luminous flux characteristics of tri-phosphorus fluorescent lamps T8/58 W in the **Pracht DUO Cold System** and of lamps used in batten luminaires.

1. **Pracht** luminaire Alaska for cold storage rooms with the DUO Cold System and low-loss ballast for cold, well-circulated air.
2. **Pracht** luminaire Alaska for cold storage rooms with the DUO Cold System and electronic ballast for cold, well-circulated air.
3. Tri-phosphorus fluorescent lamp 58 Watt, for batten luminaires used in rooms with little to no air circulation.



Stable twin-lamp socket, one-piece, with the **Pracht** Cold Contact System. Sliding contacts with metal ignition strips near the lamp.

Product advantages of the **Pracht DUO Cold System**

- High luminous efficiency through modern **pralux**® engineering.
- Adjustable, seamless specular reflectors.
- Stable, one-piece, low maintenance single- and twin-lamp push-fit lampholders.
- Longer service life of the fluorescent lamp using the **Pracht Cold Contact System** ignition aid.



Pracht DUO Cold System T8.

Utmost energy efficiency owing to modern **pralux**® engineering!



Cold-resistant connector system for up to 5 wires, see page 201.



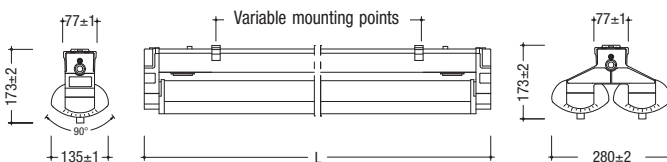
Cold storage luminaire Arktis T8 down to -50°C

for FL T8/26 mm
single- and twin-lamp

Utmost energy efficiency owing to modern **pralux**® engineering!

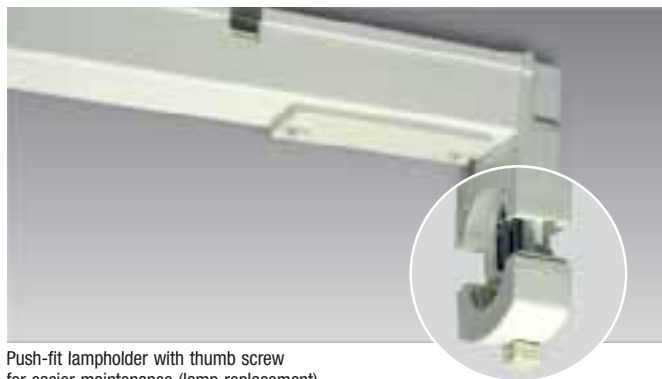


Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE-designation)	Watt	Inductive			Compens. max. -40°C			EVG max. -30°C			L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.					
Deep-freeze storage luminaires for individual and continuous mounting, T_{amb} = -50°C, through-wiring 3 x 1.5 mm² 230 V 50 Hz, with adjustable specular reflector made of clear acrylic glass, wide-beam, with centering and retaining springs, with push-fit lampholders, designed to be extremely resistant to cold, Pracht Cold Contact System												
PTK DD 913/1 HLR-PLEX-BREIT-KK pralux ®	1 x 18	1460 100	1460 101	1460 103	636±2	4.1						
PTK DD 913/3 HLR-PLEX-BREIT-KK pralux ®	1 x 36	1460 230	1460 231	1460 233	1246±2	4.7						
PTK DD 913/4 HLR-PLEX-BREIT-KK pralux ®	2 x 36	1460 260	1460 261	1460 263	1246±2	7.7						
PTK DD 913/5 HLR-PLEX-BREIT-KK pralux ®	1 x 58	1460 360	1460 361	1460 363	1546±2	6.1						
PTK DD 913/6 HLR-PLEX-BREIT-KK pralux ®	2 x 58	1460 400	1460 401	1460 403	1546±2	10.3						
Replacement parts: Specular reflector, wide-beam, with stainless steel centering and retaining springs, Pracht TRIO Cold System												
HLR-PLEX-BREIT-KK-DD pralux ®	18	617 251										
HLR-PLEX-BREIT-KK-DD pralux ®	36	617 253										
HLR-PLEX-BREIT-KK-DD pralux ®	58	617 255										
Deep-freeze storage luminaires for individual and continuous mounting, T_{amb} = -50°C, through-wiring 3 x 1.5 mm² 230 V 50 Hz, with adjustable specular reflector made of clear acrylic glass, narrow-beam, with centering and retaining springs, with push-fit lampholders, designed to be extremely resistant to cold, Pracht Cold Contact System												
PTK DD 913/1 HLR-PLEX-TIEF-KK pralux ®	1 x 18	1461 100	1461 101	1461 103	636±2	4.1						
PTK DD 913/3 HLR-PLEX-TIEF-KK pralux ®	1 x 36	1461 230	1461 231	1461 233	1246±2	4.7						
PTK DD 913/4 HLR-PLEX-TIEF-KK pralux ®	2 x 36	1461 260	1461 261	1461 263	1246±2	7.7						
PTK DD 913/5 HLR-PLEX-TIEF-KK pralux ®	1 x 58	1461 360	1461 361	1461 363	1546±2	6.1						
PTK DD 913/6 HLR-PLEX-TIEF-KK pralux ®	2 x 58	1461 400	1461 401	1461 403	1546±2	10.3						
Replacement parts: Specular reflector, narrow-beam, with stainless steel centering and retaining springs, Pracht TRIO Cold System												
HLR-PLEX-TIEF-KK-DD pralux ®	18	616 251										
HLR-PLEX-TIEF-KK-DD pralux ®	36	616 253										
HLR-PLEX-TIEF-KK-DD pralux ®	58	616 255										
Through-wiring 5 x 1.5 mm ²	36	690 316										
Built-in cold-resistant through-wiring	58	690 518										
Thumb screw for push-fit lampholder	KNS	699 444										

Areas of application: Cold storage and deep-freezing facilities, pre-cooling rooms, shock frosting rooms.



Push-fit lampholder with thumb screw for easier maintenance (lamp replacement).



Twin-lamp, one-piece, stable push-fit lampholder.

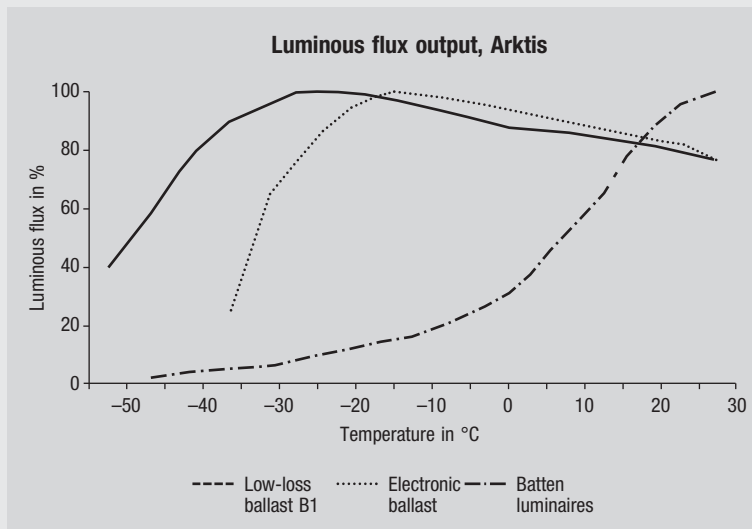
Product advantages Arktis line T8 down to -50°C

Utmost energy efficiency owing to modern **pralux**® engineering!



Luminous flux characteristics of tri-phosphorus fluorescent lamps T8/58 W in the **Pracht** TRIO Cold System and of lamps used in batten luminaires.

1. **Pracht** luminaire Arktis for deep-freezing storage rooms with the TRIO Cold System and low-loss ballast for cold, well-circulated air.
2. **Pracht** luminaire Arktis for deep-freezing storage rooms with the TRIO Cold System and electronic ballast to -30°C for cold, well-circulated air.
3. Tri-phosphorus fluorescent lamp 58 Watt, for batten luminaires used in rooms with little to no air circulation.



Stable twin-lamp socket, one-piece, with the **Pracht** Cold Contact System
Sliding contacts with metal ignition strips near the lamp.

Product advantages of the **Pracht** TRIO Cold System

- High luminous efficiency through modern **pralux**® technology.
- Adjustable, seamless specular reflectors.
- Stable, one-piece, low maintenance single- and twin-lamp push-fit lampholder housing.
- Lamp conserving ignition characteristic through contact aiding **Pracht** Cold Contact system.



Pracht TRIO Cold System T8.

Utmost energy efficiency owing to modern **pralux**® engineering!



Cable entries on the ceiling side. Art.-No. 691 151. Extra cost.



Luminaire Kenia +60°C T_{amb}

with optimised thermal management, for FL T8/26 mm, single- and twin-lamp with push-fit lampholders

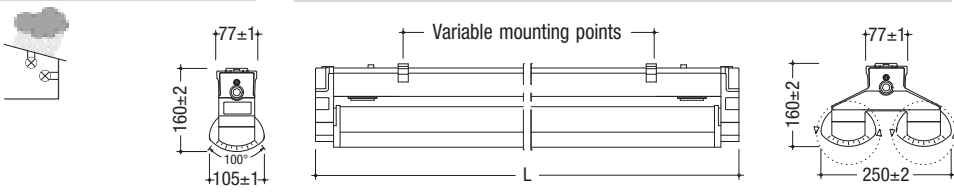
Utmost energy efficiency owing to modern **pralux**® engineering!



Housing: Seamless luminaire housing made of white, fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.
Socket end pieces: One-piece socket end made of PBT, impact-resistant.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Elegant, clear lamp covers made of PMMA, PMMA PO or impact-resistant PC, partially with interior prisms.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 4 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling, pendant and horizontal wall mounting.

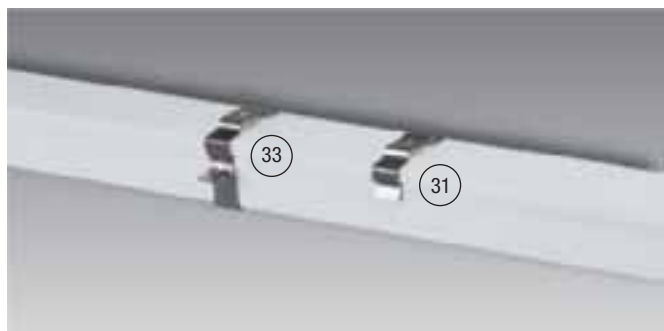


Protection Class II according to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE-designation)	Watt	Inductive		Electronic ballast		L (mm)	Weight (kg)
		Art.-No.		Art.-No.			
Individual luminaire without through-wiring, mit Parabolic mirror reflector prachtopal®, with stainless steel centering and retaining springs							
PHT DD V 100/1 PSR-PLEX-PO pralux ®	1 x 18	430 100				636±2	3.0
PHT DD V 100/3 PSR-PLEX-PO pralux ®	1 x 36	430 230		430 233		1246±2	3.9
PHT DD V 100/5 PSR-PLEX-PO pralux ®	1 x 58	430 360		430 363		1546±2	5.1
PHT DD V 100/2 PSR-PLEX-PO pralux ®	2 x 18	430 130				636±2	3.5
PHT DD V 100/4 PSR-PLEX-PO pralux ®	2 x 36	430 260		430 263		1246±2	5.3
PHT DD V 100/6 PSR-PLEX-PO pralux ®	2 x 58	430 400		430 403		1546±2	6.7
Luminaire for individual and continuous mounting, through-wiring 2 x 1.5 mm², with parabolic mirror reflector prachtopal®, w. stainless steel centering and retaining springs							
PHT DD V 112/1 PSR-PLEX-PO pralux ®	1 x 18	431 100				636±2	3.0
PHT DD V 112/3 PSR-PLEX-PO pralux ®	1 x 36	431 230		431 233		1246±2	3.9
PHT DD V 112/5 PSR-PLEX-PO pralux ®	1 x 58	431 360		431 363		1546±2	5.1
PHT DD V 112/2 PSR-PLEX-PO pralux ®	2 x 18	431 130		431 133		636±2	3.5
PHT DD V 112/4 PSR-PLEX-PO pralux ®	2 x 36	431 260		431 263		1246±2	5.3
PHT DD V 112/6 PSR-PLEX-PO pralux ®	2 x 58	431 400		431 403		1546±2	6.7
Luminaire for continuous mounting, through-wiring 4 x 1.5 mm² with parabolic mirror reflector prachtopal®, with stainless steel centering and retaining springs							
PHT DD V 114/1 PSR-PLEX-PO pralux ®	1 x 18	432 100		432 103		636±2	3.0
PHT DD V 114/3 PSR-PLEX-PO pralux ®	1 x 36	432 230		432 233		1246±2	3.9
PHT DD V 114/5 PSR-PLEX-PO pralux ®	1 x 58	432 360		432 363		1546±2	5.1
PHT DD V 114/2 PSR-PLEX-PO pralux ®	2 x 18	432 130		432 133		636±2	3.5
PHT DD V 114/4 PSR-PLEX-PO pralux ®	2 x 36	432 260		432 263		1246±2	5.3
PHT DD V 114/6 PSR-PLEX-PO pralux ®	2 x 58	432 400		432 403		1546±2	6.7
Other lamp covers narrow/wide; PC/PO upon request (see below)							
Thumb screw for push-fit lampholder	KNS	699 444					
Wire gauges: 1.5 mm ² = 10 A / 2.5 mm ² = 16 A							
Note: Through-wiring 4 x 2.5 mm ² available upon request!							

Areas of application: Breweries, heavy industry, power stations, chemical industry, bakeries, canteen kitchens, sausage boiling units, areas at high ambient temperatures.



Bracket mounting clip (33)
 Standard mounting clip (31)

Art.-No. 690 033
 Art.-No. 690 031



Specular **pralux**® reflector made of impact-resistant polycarbonate (PC) or **prachtopal**®, narrow- or wide-beam, with stainless steel centering and retaining springs, available upon request!

Luminaire Elba T8

for high ambient temperatures,
for FL T8/26 mm

single-lamp, $T_{amb} +40^{\circ}\text{C}$

Housing: White, fiberglass-reinforced polyester, almost fully resistant to acids and alkalis.

Socket end pieces: One-piece socket end made of PBT.

Socket: Two-slot plug-in socket with silver-plated contacts.

Lamp cover: Parabolic mirror reflector made of silicate glass or parabolic mirror reflector made of polycarbonate (PC, impact-resistant).

Seals: Short, age resistant silicone seals.

Electrical components: Low loss ballast B1 starter.

Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling, pendant and horizontal wall mounting.



Protection Class II according to VDE 0711/EN 60598

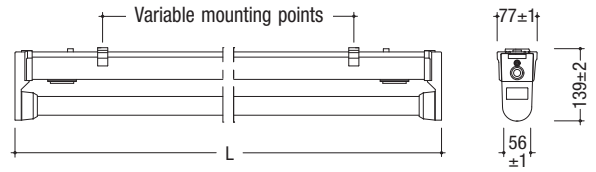
Ingress protection IP65

Dust-proof

Jet-proof

230V/50 Hz

*pending



Type (VDE-designation)	Watt	Inductive		L (mm)	Weight (kg)
		Art.-No.			
Individual luminaire, with protective tube made of silicate glass and low-loss ballast, without through-wiring					
PPR SR 100/3 $T_{amb} +40^{\circ}\text{C}$ LS-SG	1 x 36	450 230		1240±2	3.7
PPR SR 100/5 $T_{amb} +40^{\circ}\text{C}$ LS-SG	1 x 58	450 360		1540±2	4.8
Individual luminaire with parabolic mirror reflector made of polycarbonate (PC, impact-resistant) and low-loss ballast, without through-wiring, with stainless steel centering and retaining springs					
PPR SR 100/3 $T_{amb} +40^{\circ}\text{C}$ PSR-MAK-IG pralux [®]	1 x 36	451 230		1240±2	3.8
PPR SR 100/5 $T_{amb} +40^{\circ}\text{C}$ PSR-MAK-IG pralux [®]	1 x 58	451 360		1540±2	4.9
Replacement parts:					
Protective tube, silicate glass \varnothing 50 mm					
LS-SG	36	623 653			
LS-SG	58	623 655			
Parabolic mirror reflector with stainless steel centering and retaining springs					
PSR-MAK-IG, polycarbonate, clear, interior ribbing	36	611 403			
PSR-MAK-IG, polycarbonate, clear, interior ribbing	58	611 405			
Note: Further reflector designs upon request.					
Note: Higher ambient temperature see luminaire Kenia, page 122.					


Areas of application: Commercial kitchens, exhaustor hoods, heating plants, greenhouses, areas near blast furnaces, paper and ceramics industries, food-processing.



Round mains connection compartment, side-mounted starter.



Version with polycarbonate parabolic mirror reflector.

A wide-angle photograph of a large industrial facility, likely a water treatment plant. The scene is dominated by large, cylindrical stainless steel tanks and a complex network of pipes and walkways. The floor is wet and reflective, showing the overhead lighting and the structure of the building. A person is visible in the distance, providing a sense of scale. The lighting is bright, coming from large windows on the right side of the frame. The overall atmosphere is clean and industrial.

MODUL
ELECTRO
www.modulelectro.ru



MODUL
ELECTRO
www.modulelectro.ru

Product advantages Resistent

- Interior Protection Class II white synthetic material gear tray
- Twist and lock for simple mounting



- Resistent line for fitting to trunking systems

MODULO
ELECTRO

- Optional: Diffuser joined to the luminaire body by a stainless steel captive hinged clip.



Product advantages Resistent



- Five pre-stamped cable entries
- Pendant suspension with steel wire, chain etc.
- Two cable entries on each face side for through-wiring



- Captive stainless steel diffuser retainers



MODUL
ELECTRO
www.modulelectro.ru

- One-piece injection moulded synthetic material Prachtmatic diffuser with high edge stability in damp, wet environments

- Protection Class II reflector suspended with elastic retaining strap



- Optional: Breather



Luminaire Resistent T8

for T8/26 mm

single- and twin-lamp

Housing: White or grey fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket: Thermoplastic interior sockets.

Lamp cover: Injection moulded, smooth outside, interior prisms made of impact-resistant polycarbonate (PC) or alternatively acrylic glass (ultraviolet light resistant upon request). Multi-part captive stainless steel clips. **Seal:** Silicone.

Electrical components: Low loss ballast, starter; electronic ballast, Industrie-electronic ballast upon request.

Installation: Two standard mounting points (third mounting point optional) suited for roofed ceiling, pendant and horizontal wall mounting. For outdoor areas available with ultraviolet light resistant PMMA diffuser upon request. Captive diffuser with special retainers optional.



Single-lamp version



Twin-lamp version



Protection Class II acc. to VDE 0711/EN 60598

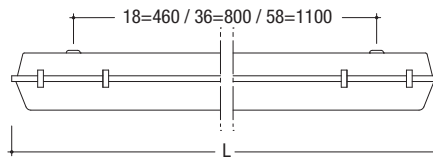
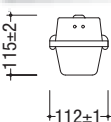
Ingress protection IP65

Dust-proof

Jet-proof

230V/50 Hz

Thin version available upon request!



Type (VDE-designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Individual luminaire with injection moulded, stable Prachtmatic interior prism diffuser made of acrylic glass, with captive stainless steel toggle type retainers, without through-wiring, Protection Class II						
PIW 5700/1	1 x 18	1360 100	1360 101	1360 103	630±2	2.2
PIW 5700/3	1 x 36	1360 230	1360 231	1360 233	1240±2	2.8
PIW 5700/5	1 x 58	1360 360	1360 361	1360 363	1540±2	3.5
PIW 5700/2	2 x 18	1360 130	1360 131	1360 133	630±2	2.9
PIW 5700/4	2 x 36	1360 260	1360 261	1360 263	1240±2	4.4
PIW 5700/6	2 x 58	1360 400	1360 401	1360 403	1540±2	5.3
Individual luminaire with injection moulded, impact-resistant polycarbonate Prachtmatic diffuser, with captive stainless steel toggle type retainers, without through-wiring, Protection Class II						
PIW 5700/1 PC	1 x 18	1360 110	1360 111	1360 113	630±2	2.2
PIW 5700/3 PC	1 x 36	1360 140	1360 141	1360 143	1240±2	2.8
PIW 5700/5 PC	1 x 58	1360 240	1360 241	1360 243	1540±2	3.5
PIW 5700/2 PC	2 x 18	1360 270	1360 271	1360 273	630±2	2.9
PIW 5700/4 PC	2 x 36	1360 370	1360 371	1360 373	1240±2	4.4
PIW 5700/6 PC	2 x 58	1360 410	1360 411	1360 413	1540±2	5.3
Through-wiring 4 x 1.5 mm ² = 10A	14/24/18	690 418				
Through-wiring 4 x 1.5 mm ² = 10A	28/54/36	690 436				
Through-wiring 4 x 1.5 mm ² = 10A	35/49/80/58	690 458				
Through-wiring 4 x 2.5 mm ² = 16A	14/24/18	690 419				
Through-wiring 4 x 2.5 mm ² = 16A	28/54/36	690 437				
Through-wiring 4 x 2.5 mm ² = 16A	35/49/80/58	690 459				
Breather		645 032				
Single lamp version, 112 mm wide available on request!						

Note: Special surface finishes are available upon request!

Areas of application: Parking garages, transport services, light strip applications, underground/commuter auxiliary rooms, power stations, heavy industry, chemical industry, biogas plants, waste incineration plants.



Additional, centre mounting point and centre twist-and-lock reflector retainer.

Note:

When ordering stainless steel diffuser retainers made of stainless steel, please note the quantities given in the following:

- 18 Watt = 6 pcs. / luminaire
- 36 Watt = 8 pcs. / luminaire
- 58 Watt = 10 pcs. / luminaire

Luminaire Resistent T5

for T5/16 mm

single- and twin-lamp

Housing: White or grey fiberglass-reinforced polyester, essentially fully resistant against acids and alkalis.

Socket: Thermoplastic interior sockets.

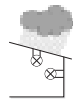
Lamp cover: Injection moulded, smooth outside, interior prisms made of impact-resistant polycarbonate (PC) or alternatively acrylic glass (ultraviolet light resistant upon request). Multi-part captive stainless steel clip. **Seal:** Silicone.

Electrical components: Quality electronic ballast, industrial electronic ballast upon request.

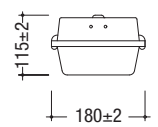
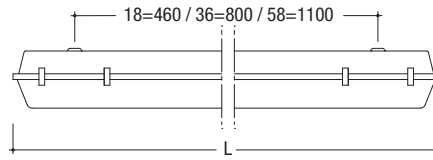
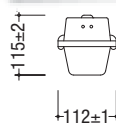
Installation: Two standard mounting points (third mounting point optional) suited for ceiling, pendant and horizontal wall mounting. For outdoor areas available with ultraviolet light resistant PMMA diffuser upon request. Captive diffuser with special retainers optional.



Protection Class II according to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
230V/50 Hz



Thin version available upon request!



Type (VDE designation)	Watt	High efficiency (HE) El.bal.	Watt	High output (HO) El.bal.	L (mm)	Weight (kg)
		Art.-No.		Art.-No.		
Individual luminaire with injection moulded, UV-stable Prachtmatic interior prism diffuser made of acrylic glass, with captive stainless steel toggle type retainers, without through-wiring, Protection Class II						
PIW 5700/..	1 x 14	1365 041	1 x 24	1365 021	630±2	2.2
PIW 5700/..	1 x 28	1365 045	1 x 54	1365 025	1240±2	2.8
PIW 5700/..	1 x 35	1365 047	1 x 49	1365 027	1540±2	3.5
PIW 5700/..			1 x 80	1365 029	1540±2	3.5
PIW 5700/..	2 x 14	1365 042	2 x 24	1365 022	630±2	2.9
PIW 5700/..	2 x 28	1365 046	2 x 54	1365 026	1240±2	4.4
PIW 5700/..	2 x 35	1365 048	2 x 49	1365 028	1540±2	5.3
PIW 5700/..			2 x 80	1365 030	1540±2	5.3
Individual luminaire with injection moulded, impact-resistant polycarbonate Prachtmatic interior prism diffuser, with captive stainless steel toggle type retainers, without through-wiring, Protection Class II						
PIW 5700/.. /PC	1 x 14	1365 051	1 x 24	1365 031	630±2	2.2
PIW 5700/.. /PC	1 x 28	1365 055	1 x 54	1365 035	1240±2	2.8
PIW 5700/.. /PC	1 x 35	1365 057	1 x 49	1365 037	1540±2	3.5
PIW 5700/.. /PC			1 x 80	1365 039	1540±2	3.5
PIW 5700/.. /PC	2 x 14	1365 052	2 x 24	1365 032	630±2	2.9
PIW 5700/.. /PC	2 x 28	1365 056	2 x 54	1365 036	1240±2	4.4
PIW 5700/.. /PC	2 x 35	1365 058	2 x 49	1365 038	1540±2	5.3
PIW 5700/.. /PC			2 x 80	1365 040	1540±2	5.3
Note: For through wiring, see page 128.						
Accessories: Diffuser made of ...	Acrylic glass		PC			
	14/24/18	603 132	14/24/18	602 222		
	28/54/36	603 134	28/54/36	602 224		
	35/49/80/58	603 136	35/49/80/58	602 226		
Specular interior reflector	14/24/18	703 218				
	28/54/36	703 236				
	35/49/80/58	703 258				
Single lamp version, 112 mm wide available on request!						

Areas of application: Structural lighting at low ceiling heights, parking garages, magazines, heavy industry, chemical industry and power plants.



Single-lamp T5 version in large housing.



Gear tray secured by a simple quick lock, twin-lamp version

01 Batten luminaires with reflectors
02 Tubular luminaires
03 Basic Line
04 LED
05 Vandalism
06 Special luminaires

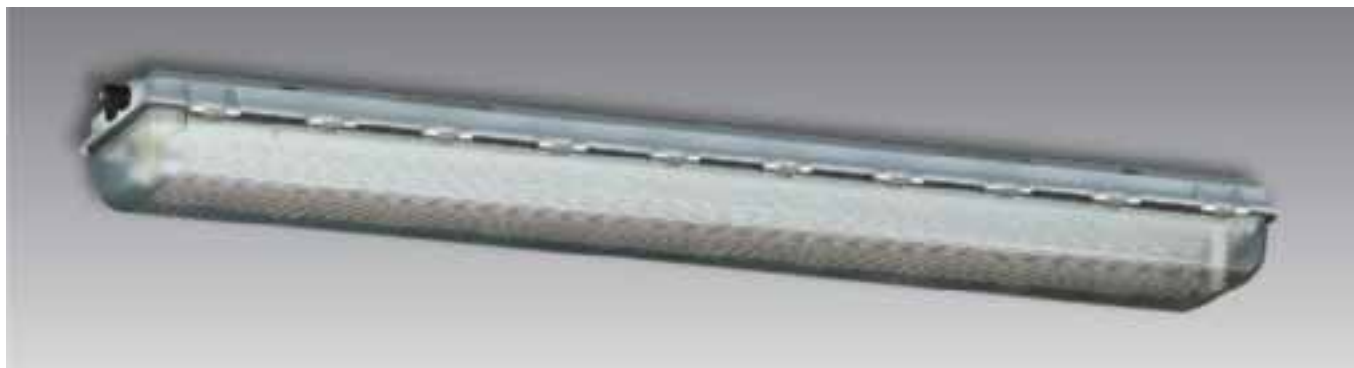


Explosion-proof luminaire Átna T8

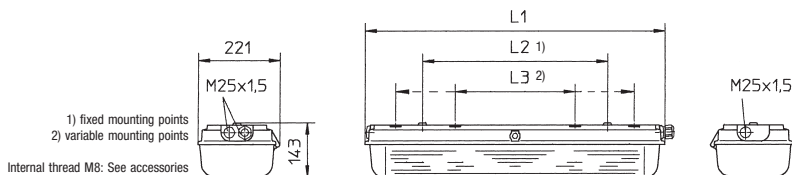
for FL T8/26 mm
 for Ex Zone 1, 2 and 21



Housing: Housing made of white, fiberglass-reinforced polyester resin, almost fully resistant to acids and alkalis.
Lamp cover: Polycarbonate (PC, impact-resistant) diffuser.
Seals: One-piece PU seal foamed into the diffuser.
Electrical components: Electronic ballast, all-pole disconnection through positive opening of switching element.
Cable entry: 1 threaded connection M 25 x 1.5 and 2 seal plugs M 25 x 1.5.



Explosion Protection Ex II 2 G EEx ed IIC T4
 Ex II D IP65 T80°C-T90°C
 Examination Certificate PTB 97 ATEX 2031
 Protection Class I according to VDE 0711. Ingress protection IP66/IP67.
 Dust-proof and Jet-proof
 220V -10% ... 254V +6%, AC/DC/50-60Hz
 Connection 2 x 4 mm² fine gauge / 2 x 6 mm² unifilar



Type	Watt	Electronic ballast		L1 (mm)	L2 ¹⁾ (mm)	L3 ²⁾ (mm)	Weight (kg)
		Art.-No.					
Individual luminaire without through-wiring, with switch							
PPW EX 300/1	1 x 18	1205 113		700±2	400	312-465	4.5
PPW EX 300/2	2 x 18	1205 143		700±2	400	312-465	4.6
PPW EX 300/3	1 x 36	1205 243		1310±2	800	670-865	7.3
PPW EX 300/4	2 x 36	1205 273		1310±2	800	670-865	7.4
PPW EX 300/5	1 x 58	1205 373		1610±2	800	670-865	9.1
PPW EX 300/6	2 x 58	1205 413		1610±2	800	670-865	9.2
Luminaire with through-wiring 3 x 1.5 mm², with switch							
PPW EX 313/1	1 x 18	1206 113		700±2	400	312-465	4.5
PPW EX 313/2	2 x 18	1206 143		700±2	400	312-465	4.6
PPW EX 313/3	1 x 36	1206 243		1310±2	800	670-865	7.3
PPW EX 313/4	2 x 36	1206 273		1310±2	800	670-865	7.4
PPW EX 313/5	1 x 58	1206 373		1610±2	800	670-865	9.1
PPW EX 313/6	2 x 58	1206 413		1610±2	800	670-865	9.2
Luminaire with through-wiring 5 x 1.5 mm², with switch							
PPW EX 315/1	1 x 18	1207 113		700±2	400	312-465	4.5
PPW EX 315/2	2 x 18	1207 143		700±2	400	312-465	4.6
PPW EX 315/3	1 x 36	1207 243		1310±2	800	670-865	7.3
PPW EX 315/4	2 x 36	1207 273		1310±2	800	670-865	7.4
PPW EX 315/5	1 x 58	1207 373		1610±2	800	670-865	9.1
PPW EX 315/6	2 x 58	1207 413		1610±2	800	670-865	9.2
Extra cost:							
With slip-fitter piece (1)	all types		747 444				
Note: See page 131 for the necessary mounting accessories.							

Areas of application: Areas requiring explosion-protected equipment. Chemical and petrochemical industries, pharmaceutical production plants, mills, grain stores, coking plants, silos, production areas in which dust, fluff or fibers are generated.



Main lock with socket wrench.



Diffuser can be swung down for maintenance.

Replacement parts and accessories for explosion protected luminaire Ätna T8

for FL T8/26 mm

single- and twin-lamp



Batten luminaires
01 with reflectors


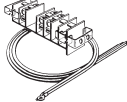
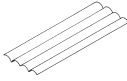
Tubular luminaires
02

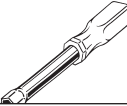
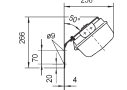
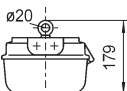
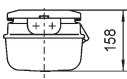
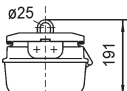
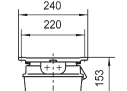
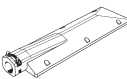

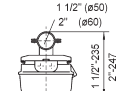
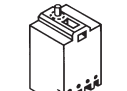
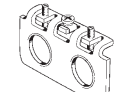
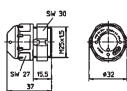
Basic Line
03

LED
04

Vandalism
05

Special luminaires
06

Designation	Type	18 Watt	36 Watt	58 Watt	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	
	Polycarbonate replacement diffuser, impact-resistant				
		645 015	645 016	645 017	
	Mounting kit for through-wiring				
	Screw terminals, 3 x 2.5 mm ² , 16A L1+N+PE	645 019	645 020	645 021	0.40
	Reflectors for retrofitting, narrow- and wide-beam				
	for single-lamp luminaires	645 022	645 023	645 024	0.20
	for twin-lamp luminaires	645 025	645 026	645 027	0.30

Accessories	Type	Art.-No.	Weight (kg)	
	Socket wrench			
	to open and close the main lock	M8/SW13	645 001	0.10
	Wall mounting bracket			
	made of stainless steel, 2 pieces	90° or 50°	645 002 645 003	1.40 1.20
	Eyebolts, 2 pieces			
	can be mounted directly in insert nuts	M8	645 005	0.10
	Mounting rail for Ätna, 2 pieces			
	for variable mounting points		645 006	0.30
	Mounting bracket rail for Ätna, 2 pieces			
	Suspension bracket mounted on rails		645 007	0.10
	Ceiling rail for Ätna, 2 pieces			
	for mounting the luminaire on the ceiling		645 008	0.30
	Slip-fitter sleeve for Ätna, 1 piece 18 W and 36 W			
			645 009	2.20
	Wall mount with bracket sleeve, 1 piece			
	for slip-fitter sleeve with bracket sleeve 400mm	∅ 41 mm	645 010	2.30
	Pipe clamp, with mounting rail for variable mounting points			
	made of stainless steel, 2 pieces	R 1 1/4"	645 011	1.40
	made of stainless steel, 2 pieces	R 1 1/2"	645 012	1.40
	made of stainless steel, 2 pieces	R 2"	645 013	1.40
	Switch			
	Switch element 8080/1-3-L, 2 break contacts		645 018	0.05
	Adapter plates for earthing connections			
	1 x M20 x 1.5		645 028	0.07
	1 x M25 x 1.5		645 029	0.07
	2 x M20 x 1.5		645 030	0.07
	Breather			
	to prevent condensed water buildup	M25 x 1.5	645 032	



Explosion proof luminaire Vesuv T8

for FL T8/26 mm
 for Ex Zone 2, 21 and 22



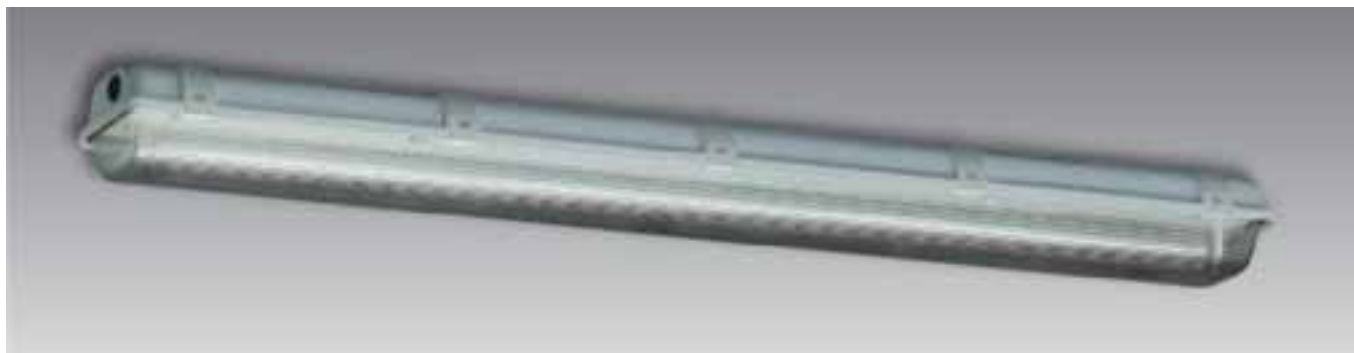
Housing: Housing made of white, fiberglass-reinforced polyester resin, almost fully resistant to acids and alkalis.

Lamp cover: Polycarbonate (PC, impact-resistant) diffuser.

Seals: One-piece PU seal foamed into diffuser.

Electrical components: Electronic ballast.

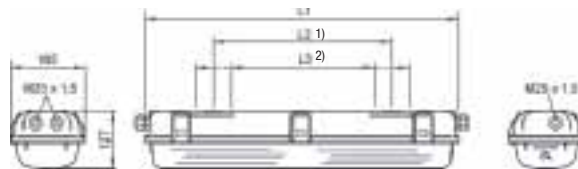
Cable entry: 1 threaded connection M 25 x 1.5 and 2 seal plugs M25 x 1.5.



Zone 2: ExG II 3G EEx nA II T4 / Zone 21: Ex II 2D IP66 T80°C* / Zone 22: Exe 2D IP66 T80°C*
 *T80°C = max. surface temperature based on:
 18, 36W: TEMP = +55°C - 58W: TEMP = +45°C
 Protection Class I according to VDE 0711. Ingress protection IP66/IP67.
 Dust-proof and jet-proof
 AC 198V ... 264V 50/60Hz/DC 154V ... 276V
 Connections 3 x 2.5 mm² 3-way (L1 + N + PE)



1) fixed mounting points
 2) variable mounting points
 Internal thread M8: See accessories

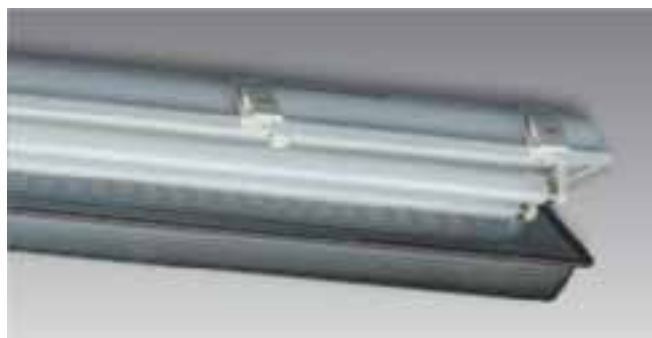


Type	Watt	Electronic ballast		L (mm)	L2 ₁₎ (mm)	L3 ₂₎ (mm)	Weight (kg)
		Art.-No.					
Individual luminaire without through-wiring							
PPW EX 400/1	1 x 18	1208 113		700±2	400	340 - 460	2.5
PPW EX 400/2	2 x 18	1208 143		700±2	400	340 - 460	2.5
PPW EX 400/3	1 x 36	1208 243		1310±2	800	680 - 920	4.6
PPW EX 400/4	2 x 36	1208 273		1310±2	800	680 - 920	4.6
PPW EX 400/5	1 x 58	1208 373		1610±2	800	795 - 1030	5.8
PPW EX 400/6	2 x 58	1208 413		1610±2	800	795 - 1030	5.8
Luminaire with through-wiring 3 x 1.5 mm²							
PPW EX 413/1	1 x 18	1209 113		700±2	400	340 - 460	2.6
PPW EX 413/2	2 x 18	1209 143		700±2	400	340 - 460	2.6
PPW EX 413/3	1 x 36	1209 243		1310±2	800	680 - 920	4.7
PPW EX 413/4	2 x 36	1209 273		1310±2	800	680 - 920	4.7
PPW EX 413/5	1 x 58	1209 373		1610±2	800	795 - 1030	5.9
PPW EX 413/6	2 x 58	1209 413		1610±2	800	795 - 1030	5.9
Luminaire with through-wiring 5 x 1.5 mm²							
PPW EX 415/1	1 x 18	1210 113		700±2	400	340 - 460	2.5
PPW EX 415/2	2 x 18	1210 143		700±2	400	340 - 460	2.5
PPW EX 415/3	1 x 36	1210 243		1310±2	800	680 - 920	4.7
PPW EX 415/4	2 x 36	1210 273		1310±2	800	680 - 920	4.7
PPW EX 415/5	1 x 58	1210 373		1610±2	800	795 - 1030	5.8
PPW EX 415/6	2 x 58	1210 413		1610±2	800	795 - 1030	5.8
Extra cost:							
Automatic switch off via 2-pole switch upon opening luminaire		1210 555					
Note: See page 133 for the necessary mounting accessories. Please inquire about other cable entries M 20 or M 25 made of moulded synthetic material or metal!							

Areas of application: Areas requiring explosion-protected equipment. Chemical and petrochemical industries, pharmaceutical production plants, mills, grain stores, coking plants, silos, production areas in which dust, fluff or fibers are generated.



Clip made of synthetic material and white interior reflector, can be swung down.



Swing-down diffuser for maintenance.

Replacement parts and accessories for explosion protected luminaire Vesuv T8

for FL T8/26 mm

single- and twin-lamp



01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires

Replacement parts	Type	18 Watt	36 Watt	58 Watt	Weight (kg)	
		Art.-No.	Art.-No.	Art.-No.		
	Polycarbonate replacement diffuser, impact-resistant					
		646 112	646 114	646 116		
	Mounting kit for through-wiring, for retrofitting standard luminaires					
	Spring-loaded terminals					
	3 x 2.5 mm ² 16A	L1+N+PE	646 019	646 020	646 021	0.40
5 x 2.5 mm ² 16A	L1+L2+L3+N+PE	646 033	646 034	646 035	0.50	
	Reflectors for retrofitting, narrow- and wide-beam					
	for single-lamp luminaires					
			646 022	646 023	646 024	0.20
	for twin-lamp luminaires		646 025	646 026	646 027	0.30

Accessories	Type	Art.-No.	Weight (kg)	
	Wall and ceiling mounting bracket, mounted on rails, for variable mounting points, luminaire angle can be adjusted in increments of 15°			
	made of stainless steel	646 002	1.40	
	Eyebolts, 2 pieces			
	can be mounted directly in insert nuts	M8	645 005	0.10
	Mounting rail for Vesuv, 2 pieces			
	for variable mounting points		646 006	0.30
	Mounting bracket rail for Vesuv, 2 pieces			
	Suspension bracket mounted on rails		646 007	0.10
	Ceiling rail for Vesuv, 2 pieces			
	for mounting the luminaire on the ceiling		646 008	0.30
	Pipe clamp, with mounting rail for variable mounting points			
	made of stainless steel, 2 pieces	R 1 1/4"	646 011	1.40
	made of stainless steel, 2 pieces	R 1 1/2"	646 012	1.40
	made of stainless steel, 2 pieces	R 2"	646 013	1.40
	Switch			
	Switch element 8080/1-3-L, 2 break contacts		645 018	0.05
	Adapter plates for earthing connections			
		1 x M20 x 1.5	645 028	
		1 x M25 x 1.5	645 029	
	for use with metal connectors	2 x M20 x 1.5	645 030	
		2 x M25 x 1.5	645 031	
	Breather			
	to prevent condensed water buildup	M25 x 1.5	645 032	



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Industrial luminaires

Your advantages

- Reflector made of aluminium or refractor made of polycarbonate
- Shapely
- Ballast, built-in ignition device
- Clipped, rustproof stainless steel suspension
- Cooling fins on housing for outstanding heat control

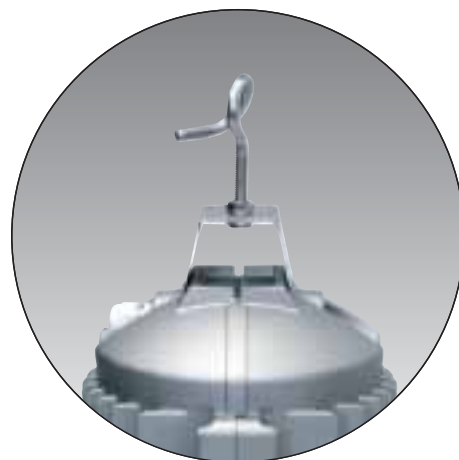
Areas of application

- High warehouses and high production halls
- Workshops
- Steel works
- Canopied shopping arcades
- Food industry


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Product advantages Como

- Clip-on stainless steel suspension and connection through IP68 threaded cable gland

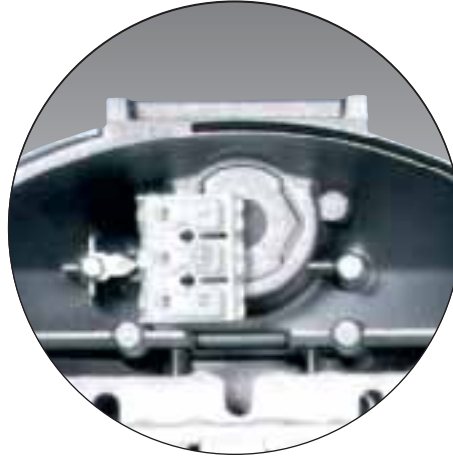


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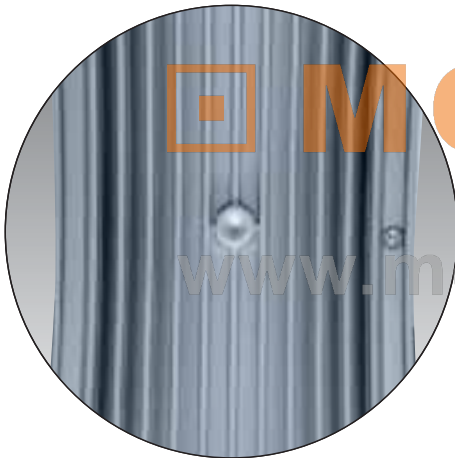
Product advantages Como



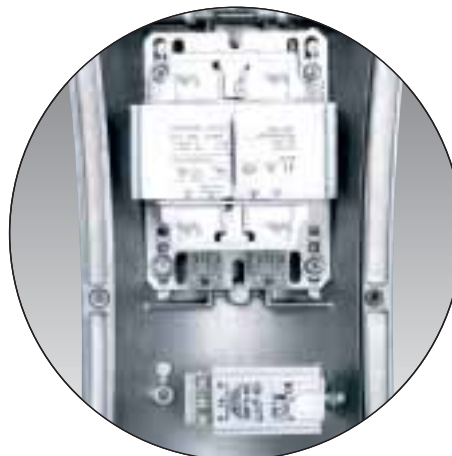
● Luminaire screw terminals



● Housing cooling fins for excellent thermal management



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● Electrical components



Spotlight system Como IP20/40

Housing: Aluminium.
Lamp cover: Reflector made of aluminium or refractor made of polycarbonate (PC, impact-resistant).
Electrical components: Ballast, built-in starter.
Installation: Single-point suspension.



10
 Ingress protection IP 20/40



Type (VDE designation)	Version	Watt	Inductive		Compensated		Height H (mm)	Ø (mm)	Weight (kg)
			Art.-No.		Art.-No.				
Spotlight Como T, natural aluminium with aluminium reflector, open, IP 20, E 40 socket, narrow-beam									
Como T HME 250	HME	250	1980 100		1980 101		720	520	
Como T HME 400	HME	400	1980 150		1980 151		720	520	
Como T HIE 250	HIE/HSE	250	1980 300		1980 301		720	520	
Como T HSE 400	HSE	400	1980 400		1980 401		720	520	
Spotlight Como B, natural aluminium with aluminium reflector, open, IP 20, E 40 socket, wide-beam									
Como B HME 250	HME	250	1985 100		1985 101		740	450	
Como B HME 400	HME	400	1985 150		1985 151		740	450	
Como B HIE 250	HIE/HSE	250	1985 200		1985 201		740	450	
Como B HSE 400	HSE	400	1985 300		1985 301		740	450	
Replacement:									
Aluminium reflector 250/400 wide-beam			1985 900				450		
Aluminium reflector 250/400 narrow-beam			1985 910				520		
Glass cover IP54 250/400 Ø 450			1985 901				450		
Glass cover IP54 250/400 Ø 520			1985 902				520		

Areas of application: Workshops, warehouses, logistics centers, economical lighting of structures.



Various types of reflector geometry - various light distributions.

Spotlight system Uniso IP23/54

with glass cover IP54
and ▽-sign

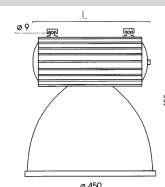
Housing: Anodized aluminium
Lamp cover: Reflector made of aluminium, optionally with cover.
Electrical components: Ballast, built-in starter.
Installation: Two-point suspension.



01 Batten luminaires with reflectors
02 Tubular luminaires
03 Basic Line
04 LED
05 Vandalism
06 Special luminaires
07 Industrial luminaires

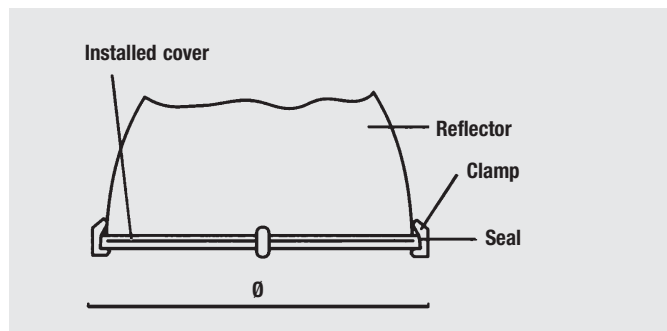


Protection class I according to VDE 0711
Ingress protection IP23 / IP54 with glass cover
230V/50 Hz
Permissible ambient temperature 40°C



Type (VDE designation)	Version	Watt	Inductive	Compensated	L (mm)	Weight (kg)
			Art.-No.	Art.-No.		
Uniso spotlight, natural aluminium with aluminium reflector and glass cover IP54, E 40 socket, wide-beam						
UNISO HME 250	HME	250	1992 100	1992 101	330	
UNISO HME 400	HME	400	1992 150	1992 151	330	
UNISO HIE/HSE 250	HIE/HSE	250	1992 200	1992 201	330	
UNISO HIE/HSE 400	HIE/HSE	400	1992 250	1992 251	330	
Uniso spotlight, natural aluminium with aluminium reflector and glass cover IP54, E 40 socket, narrow/wide-beam						
UNISO HME 250	HME	250	1993 100	1993 101	330	
UNISO HME 400	HME	400	1993 150	1993 151	330	
UNISO HIE/HSE 250	HIE/HSE	250	1993 200	1993 201	330	
UNISO HIE/HSE 400	HIE/HSE	400	1993 250	1993 251	330	
Glass cover 250/400W			1996 901			
Replacement parts:						
Aluminium reflector	wide-beam		1995 900			
	narrow/wide-beam		1993 900			

Areas of application: Workplaces, warehouses, logistics centers, dusty factory areas, areas at increased temperatures up to 40°C.



Clip-on stainless steel suspension.

Spotlights and industrial luminaires are suited for economic lighting of industrial and storage premises. In areas which are at risk of fire because of the presence of dust or fibers, e.g. in businesses which process paper, wood, straw or jute, the use of luminaires which have a low surface temperature is critical. The surface temperature of luminaires should never exceed 115° C. UNISO luminaires, in combination with the protective glass cover and IP54 ingress protection, meet these requirements. They bear the FF-sign for ambient temperatures of up to 40°C. Optimum beam spot height: 5–12 m.

Different reflector geometries.



Product advantages Como Universität Protection class II

The successful COMO narrow-beam luminaire which is protected by a design patent was design-wise optimised for utilisation of the long life PHILIPS® QL illuminant.



- Rugged diecast aluminium body.
- Optimised heat dissipation through longitudinal ribbing.
- Different surface finishes and colours upon request.
- Significantly improved thermal management for the PHILIPS QL illuminants, thereby ensuring a long service life of both lamp and electronic ballast.
- Optimum operating temperatures for maximum luminous flux characteristics of the induction lamp at reduced Tc – optimised temperatures at the electronic ballast.
- Result: Longer service life for the electronic ballast.
- Protection Class II design for the entire system when used with a refractor made of synthetic material (polycarbonate).

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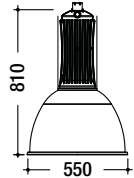
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Como Universität Protection class II

Housing: Aluminium body with brass cover.
Lamp cover: Synthetic material refractor.
Electrical components: Electronic ballast, ballast, built-in starter.
Installation: One-point suspension.



Protection class I according to VDE 0711/EN 60598
 Ingress protection IP40/IP65
 Dust-proof, jet-proof
 230V/50 Hz



Type (VDE designation)	Version	Watt	Inductive	Compensated	Electronic ballast	Socket	Weight (kg)
			Art.-No.	Art.-No.	Art.-No.		
Spotlight Como II, natural aluminium with brass cover, sealed refractor							
Como II HME 250	HME	250	1986 100	1986 101		E40	13.0
Como II HME 400	HME	400	1986 150	1986 151		E40	13.5
Como II HIE 250	HIE/HSE	250	1986 300	1986 301		E40	13.0
Como II HSE 400	HIE/HSE	400	1986 400	1986 401		E40	13.5
Como II Kompakt 120	Kompakt	120			1986 123	2G8-1	11.8
Como II Philips QL 85*	QL	85			1986 085	PC**	11.8
Como II Philips QL 165*	QL	165			1986 165	PC**	11.8
Replacement parts:							
Synthetic material refractor PC			704 870				
Synthetic material transparent cover PC			704 872				
Clamping ring for fitting the transparent cover			704 873				
*Illuminant service life: 60,000 hours / **Power coupler							


Areas of application: Factory halls, storage halls, logistics centres, structural illumination, areas difficult to access, railway stations.



Induction lamp, energy transmission without an electrical connection.

ILLUMINANTS

Discharge lamps	Socket
HME 250/400 Watt	E40
HIE 250/400 Watt	E40
HSE 250/400 Watt	E40
Compact fluorescent lamp	
120 Watt HO CONSTANT	2G8-1
Induction lamp	
PHILIPS QL	PC**



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Surface mounted and recessed luminaires

Your advantages

- Short, age-resistant silicone seals
- Variable mounting points using the Pracht Clip System made of stainless steel
- Essentially fully resistant against acids and alkalis
- Dust- and jet-proof
- Choice of different module widths

Areas of application

- Lighting channel system
- Public transportation services
- Station platforms
- Airports
- Reception and entrance areas
- Pedestrian underpasses
- Swimming pools
- Changing rooms, washrooms and shower rooms
- Kitchens
- Hospitals


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Recessed luminaire Meißner T8

for FL T8/26 mm
for panelled or closed ceilings,
and lighting channel systems

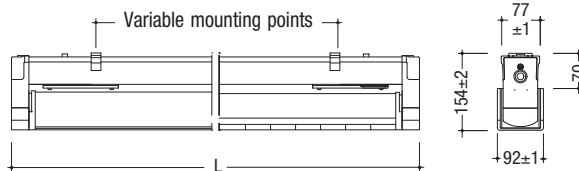
Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Press-fit cover (DD), Two-slot plug-in socket with silver-plated contacts,
Lamp cover: Width 85 mm, Modul 100, one panel width, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation, one panel width Modul 100 ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/1 LAB 085 PLEX	1 x 18	300 100	300 101	300 103	636±2	2.4	pralux®
PPR DD 112/3 LAB 085 PLEX	1 x 36	300 230	300 231	300 233	1246±2	3.8	pralux®
PPR DD 112/5 LAB 085 PLEX	1 x 58	300 360	300 361	300 363	1546±2	5.2	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/1 LAB 085 MAK	1 x 18	300 110	300 111	300 113	636±2	2.4	pralux®
PPR DD 112/3 LAB 085 MAK	1 x 36	300 240	300 241	300 243	1246±2	3.8	pralux®
PPR DD 112/5 LAB 085 MAK	1 x 58	300 370	300 371	300 373	1546±2	5.2	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross blade louver and wide beam light distribution curve							
PPR DD 112/1 LAB 085 PLEX-QLR	1 x 18	301 100	301 101	301 103	636±2	2.6	pralux®
PPR DD 112/3 LAB 085 PLEX-QLR	1 x 36	301 230	301 231	301 233	1246±2	4.0	pralux®
PPR DD 112/5 LAB 085 PLEX-QLR	1 x 58	301 360	301 361	301 363	1546±2	5.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross blade louver and wide beam light distribution curve							
PPR DD 112/1 LAB 085 MAK-QLR	1 x 18	301 110	301 111	301 113	636±2	2.6	pralux®
PPR DD 112/3 LAB 085 MAK-QLR	1 x 36	301 240	301 241	301 243	1246±2	4.0	pralux®
PPR DD 112/5 LAB 085 MAK-QLR	1 x 58	301 370	301 371	301 373	1546±2	5.5	pralux®
Extra cost:							
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request. For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170–171, replacement parts upon request!							

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Easy mounting of cover and FL. Retaining strap: Aids first-time installation and when changing lamps, not suited for continuous duty!



Captive cover plate 085 and push-fit cover.

Recessed luminaire Meißner T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

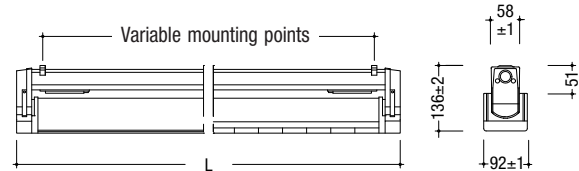
Option: Installation of heat retaining tubes for low ambient temperatures!

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Width 85 mm, Modul 100, two panel width, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!

Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	High efficiency (HE) El.bal.	Watt	High output (HO) El.bal.	L (mm)	Weight (kg)	
		Art.-No.		Art.-No.			
Surface mounted and recessed luminaire w. through-wiring 2x1.5 mm², lengthways installation, 1 panel width Modul 100 ... w. acrylic glass lamp cover (PMMA), wide beam light distribution curve							
PPR DD T5 212../ LAB 085 PLEX	1 x 14	5300 143	1 x 24	5300 513	597±2	2.4	pralux®
PPR DD T5 212../ LAB 085 PLEX	1 x 21	5300 213	1 x 39	5300 743	897±2	3.4	pralux®
PPR DD T5 212../ LAB 085 PLEX	1 x 28	5300 283	1 x 54	5300 873	1197±2	3.8	pralux®
PPR DD T5 212../ LAB 085 PLEX	1 x 35	5300 353	1 x 49	5300 923	1497±2	5.2	pralux®
PPR DD T5 212../ LAB 085 PLEX	1 x 80	5300 973	1 x 80	5300 973	1497±2	5.2	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve							
PPR DD T5 212../ LAB 085 MAK	1 x 14	5300 153	1 x 24	5300 523	597±2	2.4	pralux®
PPR DD T5 212../ LAB 085 MAK	1 x 21	5300 223	1 x 39	5300 733	897±2	3.4	pralux®
PPR DD T5 212../ LAB 085 MAK	1 x 28	5300 293	1 x 54	5300 883	1197±2	3.8	pralux®
PPR DD T5 212../ LAB 085 MAK	1 x 35	5300 363	1 x 49	5300 933	1497±2	5.2	pralux®
PPR DD T5 212../ LAB 085 MAK	1 x 80	5300 983	1 x 80	5300 983	1497±2	5.2	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD T5 212../ LAB 085 PLEX-QLR	1 x 14	5301 143	1 x 24	5301 513	597±2	2.6	pralux®
PPR DD T5 212../ LAB 085 PLEX-QLR	1 x 21	5301 213	1 x 39	5301 743	897±2	3.4	pralux®
PPR DD T5 212../ LAB 085 PLEX-QLR	1 x 28	5301 283	1 x 54	5301 873	1197±2	4.0	pralux®
PPR DD T5 212../ LAB 085 PLEX-QLR	1 x 35	5301 353	1 x 49	5301 923	1497±2	5.0	pralux®
PPR DD T5 212../ LAB 085 PLEX-QLR	1 x 80	5301 973	1 x 80	5301 973	1497±2	5.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD T5 212../ LAB 085 MAK-QLR	1 x 14	5301 153	1 x 24	5301 523	597±2	2.6	pralux®
PPR DD T5 212../ LAB 085 MAK-QLR	1 x 21	5301 223	1 x 39	5301 733	897±2	3.4	pralux®
PPR DD T5 212../ LAB 085 MAK-QLR	1 x 28	5301 293	1 x 54	5301 883	1197±2	4.0	pralux®
PPR DD T5 212../ LAB 085 MAK-QLR	1 x 35	5301 363	1 x 49	5301 933	1497±2	5.0	pralux®
PPR DD T5 212../ LAB 085 MAK-QLR	1 x 80	5301 983	1 x 80	5301 983	1497±2	5.0	pralux®
Extra cost:							
Electronic ballast Dim 1-10V		685 004					
Electronic ballast Dim Dali		685 005					
Electronic ballast Industry			49/54/80	685 006			
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
Note: For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See p. 170-171; replacement parts upon request!							

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Ceiling recess frame RDE for closed ceilings.



Push-fit lampholder with T5/16 mm lamp insertion aid and stainless steel clip.



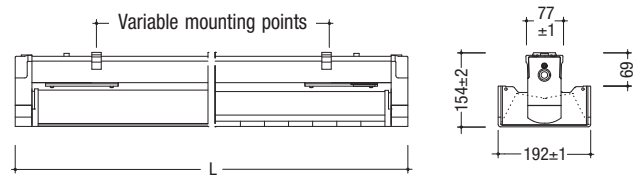
Recessed luminaire Taurus T8

for FL T8/26 mm
for panelled or closed ceilings,
and lighting channel systems
LED variants see page 91.

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Width 185 mm, Modul 100, two panel width, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal**® upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Protection class II acc. to VDE 0711/EN 60598
Ingress protection IP65
Dust-proof
Jet-proof
Shock (RC) 0.63*
230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation, two panel width Modul 100 ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/1 LAB 185 PLEX	1 x 18	310 100	310 101	310 103	636±2	3.1	pralux®
PPR DD 112/3 LAB 185 PLEX	1 x 36	310 230	310 231	310 233	1246±2	4.5	pralux®
PPR DD 112/5 LAB 185 PLEX	1 x 58	310 360	310 361	310 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/1 LAB 185 MAK	1 x 18	310 110	310 111	310 113	636±2	3.1	pralux®
PPR DD 112/3 LAB 185 MAK	1 x 36	310 240	310 241	310 243	1246±2	4.5	pralux®
PPR DD 112/5 LAB 185 MAK	1 x 58	310 370	310 371	310 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD 112/1 LAB 185 PLEX-QLR	1 x 18	311 100	311 101	311 103	636±2	3.5	pralux®
PPR DD 112/3 LAB 185 PLEX-QLR	1 x 36	311 230	311 231	311 233	1246±2	5.0	pralux®
PPR DD 112/5 LAB 185 PLEX-QLR	1 x 58	311 360	311 361	311 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD 112/1 LAB 185 MAK-QLR	1 x 18	311 110	311 111	311 113	636±2	3.5	pralux®
PPR DD 112/3 LAB 185 MAK-QLR	1 x 36	311 240	311 241	311 243	1246±2	5.0	pralux®
PPR DD 112/5 LAB 185 MAK-QLR	1 x 58	311 370	311 371	311 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request. For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 168–169; replacement parts 164–167!							

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals



Luminaire Taurus, end cover panel detail. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!



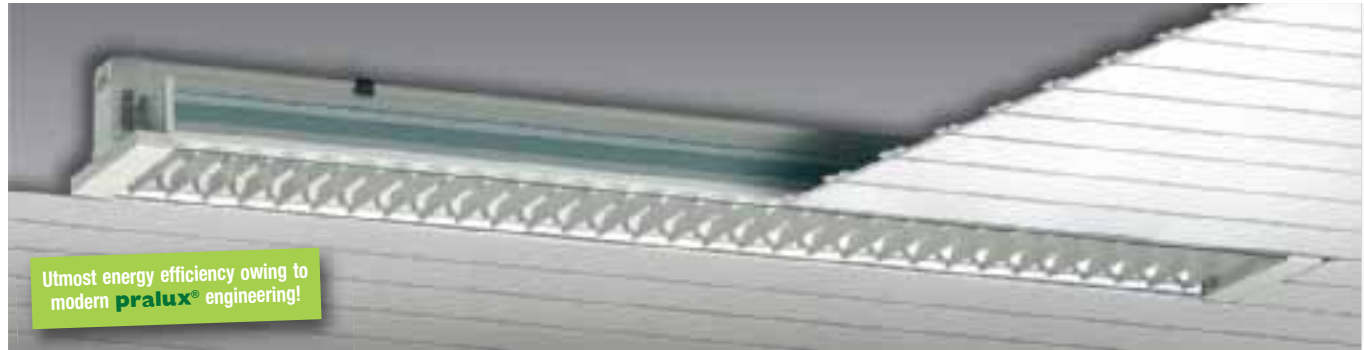
Low-profile recessed luminaire with interior structure cover, wide beam, smooth outside light radiating surfaces. **Available upon request.**

Recessed luminaire Taurus T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

Option: Installation of heat retaining tubes for low ambient temperatures!

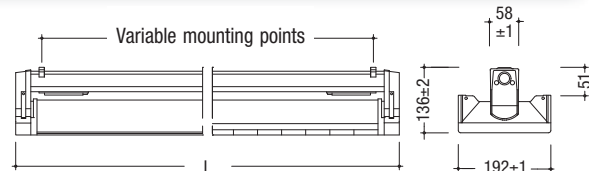
Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Width 185 mm, Modul 100, two panel width, wide beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!

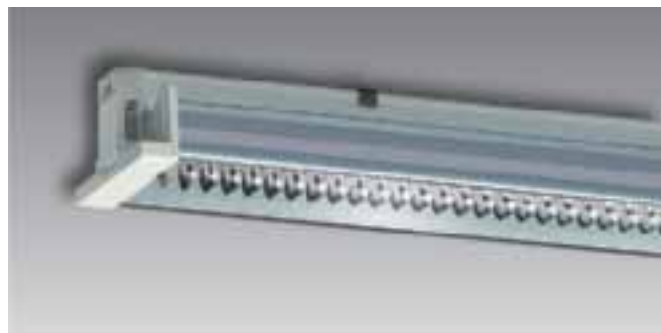
Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

Caution! Note the burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	High efficiency (HE) El.bal.		Watt	High output (HO) El.bal.		L (mm)	Weight (kg)
		Art.-No.			Art.-No.			
Surface mounted and recessed luminaire w. through-wiring 2 x 1.5 mm², lengthways installation, 2 panel width Modul 100 ... w. acrylic glass lamp cover (PMMA), wide beam light distribution curve								
PPR DD T5 212../ LAB 185 PLEX	1 x 14	5310 143		1 x 24	5310 513		597±2	3.1 pralux®
PPR DD T5 212../ LAB 185 PLEX	1 x 21	5310 213		1 x 39	5310 743		897±2	3.8 pralux®
PPR DD T5 212../ LAB 185 PLEX	1 x 28	5310 283		1 x 54	5310 873		1197±2	4.5 pralux®
PPR DD T5 212../ LAB 185 PLEX	1 x 35	5310 353		1 x 49	5310 923		1497±2	7.5 pralux®
PPR DD T5 212../ LAB 185 PLEX	1 x 80	5310 973		1 x 80	5310 973		1497±2	7.5 pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve								
PPR DD T5 212../ LAB 185 MAK	1 x 14	5310 153		1 x 24	5310 523		597±2	3.1 pralux®
PPR DD T5 212../ LAB 185 MAK	1 x 21	5310 223		1 x 39	5310 733		897±2	3.8 pralux®
PPR DD T5 212../ LAB 185 MAK	1 x 28	5310 293		1 x 54	5310 883		1197±2	4.5 pralux®
PPR DD T5 212../ LAB 185 MAK	1 x 35	5310 363		1 x 49	5310 933		1497±2	7.5 pralux®
PPR DD T5 212../ LAB 185 MAK	1 x 80	5310 983		1 x 80	5310 983		1497±2	7.5 pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve								
PPR DD T5 212../ LAB 185 PLEX-QLR	1 x 14	5311 143		1 x 24	5311 513		597±2	3.5 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR	1 x 21	5311 213		1 x 39	5311 743		897±2	4.6 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR	1 x 28	5311 283		1 x 54	5311 873		1197±2	5.0 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR	1 x 35	5311 353		1 x 49	5311 923		1497±2	8.0 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR	1 x 80	5311 973		1 x 80	5311 973		1497±2	8.0 pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve								
PPR DD T5 212../ LAB 185 MAK-QLR	1 x 14	5311 153		1 x 24	5311 523		597±2	3.5 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR	1 x 21	5311 223		1 x 39	5311 733		897±2	4.6 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR	1 x 28	5311 293		1 x 54	5311 883		1197±2	5.0 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR	1 x 35	5311 363		1 x 49	5311 933		1497±2	8.0 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR	1 x 80	5311 983		1 x 80	5311 983		1497±2	8.0 pralux®
Extra cost:								
Electronic ballast Dim 1-10V		685 004						
Electronic ballast Dim Dali		685 005						
Electronic ballast Industry				49/54/80	685 006			
Through-wiring 4 x 1.5 mm ² , built-in		690 114						
Note: For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 168-169; replacement parts 164-167!								

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Luminaire Taurus, wide beam, with interior dark-light louver.



Push-fit lampholder with T5/16mm lamp insertion aid and stainless steel clip.



Recessed luminaire Allgäu T8

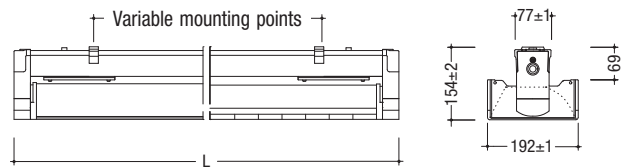
for FL T8/26 mm
 for panelled or closed ceilings, and lighting channel systems
 LED variants see page 91.

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Width 185 mm, Modul 100, two panel width, asymmetric beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal**® upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux**® engineering!

Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation, two panel width Modul 100 ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs and asymmetric beam							
PPR DD 112/1 LAS 185 PLEX	1 x 18	330 100	330 101	330 103	636±2	3.1	pralux®
PPR DD 112/3 LAS 185 PLEX	1 x 36	330 230	330 231	330 233	1246±2	4.5	pralux®
PPR DD 112/5 LAS 185 PLEX	1 x 58	330 360	330 361	330 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and asymmetric beam							
PPR DD 112/1 LAS 185 MAK	1 x 18	330 110	330 111	330 113	636±2	3.1	pralux®
PPR DD 112/3 LAS 185 MAK	1 x 36	330 240	330 241	330 243	1246±2	4.5	pralux®
PPR DD 112/5 LAS 185 MAK	1 x 58	330 370	330 371	330 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and asymmetric beam							
PPR DD 112/1 LAS 185 PLEX-QLR	1 x 18	331 100	331 101	331 103	636±2	3.5	pralux®
PPR DD 112/3 LAS 185 PLEX-QLR	1 x 36	331 230	331 231	331 233	1246±2	5.0	pralux®
PPR DD 112/5 LAS 185 PLEX-QLR	1 x 58	331 360	331 361	331 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and asymmetric beam							
PPR DD 112/1 LAS 185 MAK-QLR	1 x 18	331 110	331 111	331 113	636±2	3.5	pralux®
PPR DD 112/3 LAS 185 MAK-QLR	1 x 36	331 240	331 241	331 243	1246±2	5.0	pralux®
PPR DD 112/5 LAS 185 MAK-QLR	1 x 58	331 370	331 371	331 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm², built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request.							
For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170–171; replacement parts 166–168!							

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Cover plate 185 and push-fit lampholder combined in a captive unit. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!



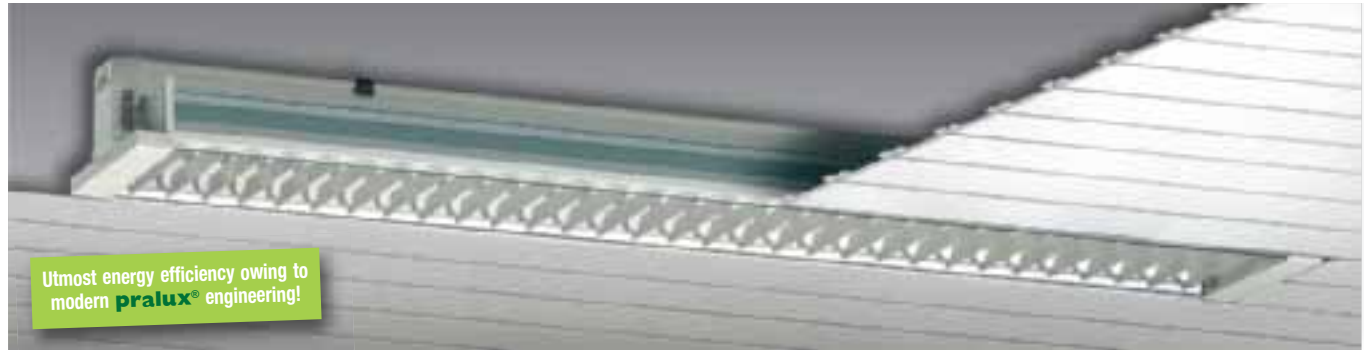
Low-profile recessed luminaire with interior structure cover, asymmetric beam, smooth outside light radiating surfaces. **Available upon request.**

Recessed luminaire Allgäu T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

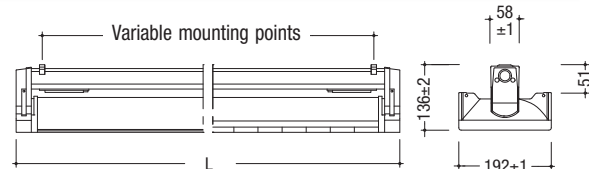
Option: Installation of heat retaining tubes for low ambient temperatures!

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Width 185 mm, Modul 100, two panel width, asymmetric beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

Caution! Note the burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	High efficiency (HE) El.bal.	Watt	High output (HO) El.bal.	L (mm)	Weight (kg)
		Art.-No.		Art.-No.		
Surface mounted and recessed luminaire w. through-wiring 2x1.5mm², for lengthways installation, two panel width Modul 100 ... with lamp cover made of acrylic glass (PMMA) and asymmetric beam						
PPR DD T5 212../ LAS 185 PLEX	1 x 14	5330 143	1 x 24	5330 513	597±2	3.1 pralux®
PPR DD T5 212../ LAS 185 PLEX	1 x 21	5330 213	1 x 39	5330 743	897±2	3.8 pralux®
PPR DD T5 212../ LAS 185 PLEX	1 x 28	5330 283	1 x 54	5330 873	1197±2	4.5 pralux®
PPR DD T5 212../ LAS 185 PLEX	1 x 35	5330 353	1 x 49	5330 923	1497±2	7.5 pralux®
PPR DD T5 212../ LAS 185 PLEX	1 x 80	5330 973	1 x 80	5330 973	1497±2	7.5 pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and asymmetric beam						
PPR DD T5 212../ LAS 185 MAK	1 x 14	5330 153	1 x 24	5330 523	597±2	3.1 pralux®
PPR DD T5 212../ LAS 185 MAK	1 x 21	5330 223	1 x 39	5330 733	897±2	3.8 pralux®
PPR DD T5 212../ LAS 185 MAK	1 x 28	5330 293	1 x 54	5330 883	1197±2	4.5 pralux®
PPR DD T5 212../ LAS 185 MAK	1 x 35	5330 363	1 x 49	5330 933	1497±2	7.5 pralux®
PPR DD T5 212../ LAS 185 MAK	1 x 80	5330 983	1 x 80	5330 983	1497±2	7.5 pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and asymmetric beam						
PPR DD T5 212../ LAS 185 PLEX-QLR	1 x 14	5331 143	1 x 24	5331 513	597±2	3.5 pralux®
PPR DD T5 212../ LAS 185 PLEX-QLR	1 x 21	5331 213	1 x 39	5331 743	897±2	4.6 pralux®
PPR DD T5 212../ LAS 185 PLEX-QLR	1 x 28	5331 283	1 x 54	5331 873	1197±2	5.0 pralux®
PPR DD T5 212../ LAS 185 PLEX-QLR	1 x 35	5331 353	1 x 49	5331 923	1497±2	8.0 pralux®
PPR DD T5 212../ LAS 185 PLEX-QLR	1 x 80	5331 973	1 x 80	5331 973	1497±2	8.0 pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and asymmetric beam						
PPR DD T5 212../ LAS 185 MAK-QLR	1 x 14	5331 153	1 x 24	5331 523	597±2	3.5 pralux®
PPR DD T5 212../ LAS 185 MAK-QLR	1 x 21	5331 223	1 x 39	5331 733	897±2	4.6 pralux®
PPR DD T5 212../ LAS 185 MAK-QLR	1 x 28	5331 293	1 x 54	5331 883	1197±2	5.0 pralux®
PPR DD T5 212../ LAS 185 MAK-QLR	1 x 35	5331 363	1 x 49	5331 933	1497±2	8.0 pralux®
PPR DD T5 212../ LAS 185 MAK-QLR	1 x 80	5331 983	1 x 80	5331 983	1497±2	8.0 pralux®
Extra cost:						
Electronic ballast Dim 1-10V		685 004				
Electronic ballast Dim Dali		685 005				
Electronic ballast Industry			49/54/80	685 006		
Through-wiring 4 x 1.5 mm ² , built-in		690 114				

Note: For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Luminaire Allgäu, asymmetric beam with interior dark-light louver.



Detail, push-fit lampholder with T5/16 mm lamp insertion aid and stainless steel metal clip.

01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires
 07 Industrial luminaires
 08 Surface and recessed luminaires



Recessed luminaire Spessart T8

for FL T8/26 mm
 for panelled or closed ceilings, and lighting channel systems
 LED variants see page 91.

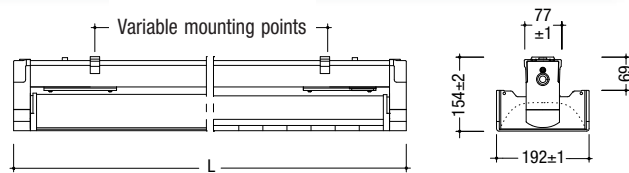
Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Width 185 mm, Modul 100, two panel width, narrow beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal**® upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux**® engineering!



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Ballast Type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation, two panel width Modul 100 ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs and narrow beam light distribution							
PPR DD 112/1 LAT 185 PLEX	1 x 18	320 100	320 101	320 103	636±2	3.1	pralux®
PPR DD 112/3 LAT 185 PLEX	1 x 36	320 230	320 231	320 233	1246±2	4.5	pralux®
PPR DD 112/5 LAT 185 PLEX	1 x 58	320 360	320 361	320 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and narrow beam light distribution							
PPR DD 112/1 LAT 185 MAK	1 x 18	320 110	320 111	320 113	636±2	3.1	pralux®
PPR DD 112/3 LAT 185 MAK	1 x 36	320 240	320 241	320 243	1246±2	4.5	pralux®
PPR DD 112/5 LAT 185 MAK	1 x 58	320 370	320 371	320 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and narrow beam light distribution							
PPR DD 112/1 LAT 185 PLEX-QLR	1 x 18	321 100	321 101	321 103	636±2	3.5	pralux®
PPR DD 112/3 LAT 185 PLEX-QLR	1 x 36	321 230	321 231	321 233	1246±2	5.0	pralux®
PPR DD 112/5 LAT 185 PLEX-QLR	1 x 58	321 360	321 361	321 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and narrow beam light distribution							
PPR DD 112/1 LAT 185 MAK-QLR	1 x 18	321 110	321 111	321 113	636±2	3.5	pralux®
PPR DD 112/3 LAT 185 MAK-QLR	1 x 36	321 240	321 241	321 243	1246±2	5.0	pralux®
PPR DD 112/5 LAT 185 MAK-QLR	1 x 58	321 370	321 371	321 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request. For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!							

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Captive cover plate 185 and push-fit cover. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty.



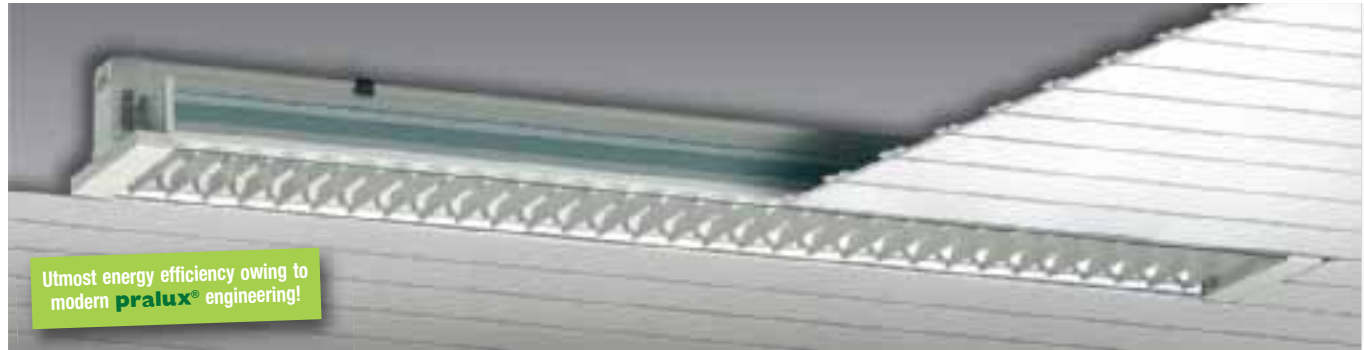
Easy mounting of cover and FL.

Recessed luminaire Spessart T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

Option: Installation of heat retaining tubes for low ambient temperatures!

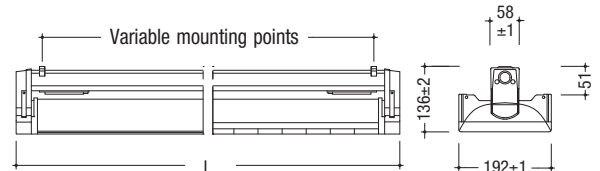
Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Width 185 mm, Modul 100, two panel width, narrow beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachttopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!

Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

Caution! Note the burn-in recommendations issued by the lamp manufacturer!

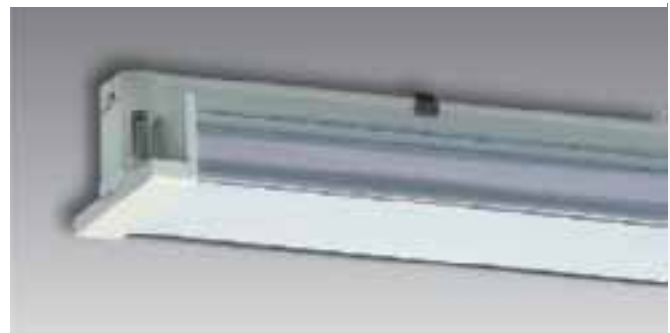


Type (VDE designation)	Watt	High efficiency (HE) El.bal.		Watt	High output (HO) El.bal.		L (mm)	Weight (kg)	pralux®
		Art.-No.			Art.-No.				
Surface mounted and recessed lum. w. through-wiring 2x1.5 mm², lengthways installation, 2 panel width Modul 100 ... w. acrylic glass lamp cover (PMMA), narrow beam light distribution curve									
PPR DD T5 212../ LAT 185 PLEX	1 x 14	5320 143		1 x 24	5320 513		597±2	3.1	pralux®
PPR DD T5 212../ LAT 185 PLEX	1 x 21	5320 213		1 x 39	5320 743		897±2	3.8	pralux®
PPR DD T5 212../ LAT 185 PLEX	1 x 28	5320 283		1 x 54	5320 873		1197±2	4.5	pralux®
PPR DD T5 212../ LAT 185 PLEX	1 x 35	5320 353		1 x 49	5320 923		1497±2	7.5	pralux®
PPR DD T5 212../ LAT 185 PLEX				1 x 80	5320 973		1497±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and narrow beam light distribution curve									
PPR DD T5 212../ LAT 185 MAK	1 x 14	5320 153		1 x 24	5320 523		597±2	3.1	pralux®
PPR DD T5 212../ LAT 185 MAK	1 x 21	5320 223		1 x 39	5320 733		897±2	3.8	pralux®
PPR DD T5 212../ LAT 185 MAK	1 x 28	5320 293		1 x 54	5320 883		1197±2	4.5	pralux®
PPR DD T5 212../ LAT 185 MAK	1 x 35	5320 363		1 x 49	5320 933		1497±2	7.5	pralux®
PPR DD T5 212../ LAT 185 MAK				1 x 80	5320 983		1497±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and narrow beam light distribution curve									
PPR DD T5 212../ LAT 185 PLEX-QLR	1 x 14	5321 143		1 x 24	5321 513		597±2	3.5	pralux®
PPR DD T5 212../ LAT 185 PLEX-QLR	1 x 21	5321 213		1 x 39	5321 743		897±2	4.6	pralux®
PPR DD T5 212../ LAT 185 PLEX-QLR	1 x 28	5321 283		1 x 54	5321 873		1197±2	5.0	pralux®
PPR DD T5 212../ LAT 185 PLEX-QLR	1 x 35	5321 353		1 x 49	5321 923		1497±2	8.0	pralux®
PPR DD T5 212../ LAT 185 PLEX-QLR				1 x 80	5321 973		1497±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and narrow beam light distribution curve									
PPR DD T5 212../ LAT 185 MAK-QLR	1 x 14	5321 153		1 x 24	5321 523		597±2	3.5	pralux®
PPR DD T5 212../ LAT 185 MAK-QLR	1 x 21	5321 223		1 x 39	5321 733		897±2	4.6	pralux®
PPR DD T5 212../ LAT 185 MAK-QLR	1 x 28	5321 293		1 x 54	5321 883		1197±2	5.0	pralux®
PPR DD T5 212../ LAT 185 MAK-QLR	1 x 35	5321 363		1 x 49	5321 933		1497±2	8.0	pralux®
PPR DD T5 212../ LAT 185 MAK-QLR				1 x 80	5321 983		1497±2	8.0	pralux®
Extra cost:									
Electronic ballast Dim 1-10V		685 004							
Electronic ballast Dim Dali		685 005							
Electronic ballast Industry				49/54/80	685 006				
Through-wiring 4 x 1.5 mm ² , built-in		690 114							
Note: For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!									

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Luminaire Spessart, narrow beam with interior dark-light louver.



Detail push-fit lampholder with stainless steel clip.



Recessed luminaire Tirol T8

for FL T8/26 mm

for panelled or closed ceilings, and lighting channel systems

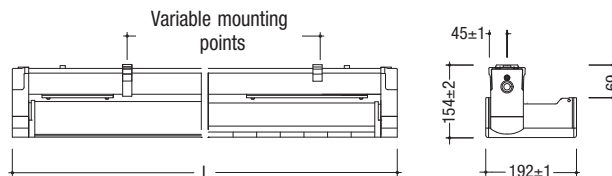
Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT
Socket: Two-slot plug-in socket with silver-plated contacts
Lamp cover: Width 185 mm, Modul 100, two panel width, **extrem asymmetric beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs. **Seals:** Short, age-resistant silicone seals
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm²
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)	
		Art.-No.	Art.-No.	Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation, two panel width, Modul 100 ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs and extra asymmetric light distribution curve							
PPR DD 112/1 LASAE 185 PLEX	1 x 18	335 100	335 101	335 103	636±2	3.1	pralux®
PPR DD 112/3 LASAE 185 PLEX	1 x 36	335 230	335 231	335 233	1246±2	4.5	pralux®
PPR DD 112/5 LASAE 185 PLEX	1 x 58	335 360	335 361	335 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and extra asymmetric light distribution curve							
PPR DD 112/1 LASAE 185 MAK	1 x 18	335 110	335 111	335 113	636±2	3.1	pralux®
PPR DD 112/3 LASAE 185 MAK	1 x 36	335 240	335 241	335 243	1246±2	4.5	pralux®
PPR DD 112/5 LASAE 185 MAK	1 x 58	335 370	335 371	335 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and extra asymmetric light distribution curve							
PPR DD 112/1 LASAE 185 PLEX-QLR	1 x 18	336 100	336 101	336 103	636±2	3.5	pralux®
PPR DD 112/3 LASAE 185 PLEX-QLR	1 x 36	336 230	336 231	336 233	1246±2	5.0	pralux®
PPR DD 112/5 LASAE 185 PLEX-QLR	1 x 58	336 360	336 361	336 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and extra asymmetric light distribution curve							
PPR DD 112/1 LASAE 185 MAK-QLR	1 x 18	336 110	336 111	336 113	636±2	3.5	pralux®
PPR DD 112/3 LASAE 185 MAK-QLR	1 x 36	336 240	336 241	336 243	1246±2	5.0	pralux®
PPR DD 112/5 LASAE 185 MAK-QLR	1 x 58	336 370	336 371	336 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request.							
For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!							

Areas of application: Unusually wide platforms in public transport systems, swimming pools.



Luminaire Tirol, extra asymmetric light distribution. **Retaining strap: Aids first-time installation and when changing lamps, not suited for continuous duty.**



Asymmetric lamp installation position.

Recessed luminaire Odenwald T8

for FL T8/26 mm

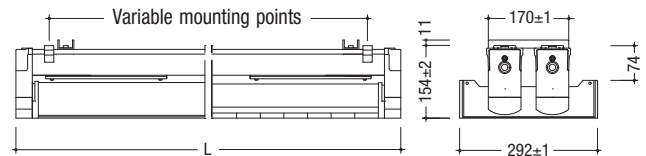
for panelled or closed ceilings,
and lighting channel systems

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Width 285 mm, Modul 100. three panel width, wide beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!

Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)	
		Art.-No.	Art.-No.	Art.-No.			
Surface mounted and recessed luminaire mit through-wiring 2 x 1.5 mm², for lengthways installation, three panel width Modul 100 ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/2 LAB 285 PLEX	2 x 18	340 130	340 131	340 133	636±2	5.3	pralux®
PPR DD 112/4 LAB 285 PLEX	2 x 36	340 260	340 261	340 263	1246±2	8.6	pralux®
PPR DD 112/6 LAB 285 PLEX	2 x 58	340 400	340 401	340 403	1546±2	10.8	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/2 LAB 285 MAK	2 x 18	340 140	340 141	340 143	636±2	5.3	pralux®
PPR DD 112/4 LAB 285 MAK	2 x 36	340 270	340 271	340 273	1246±2	8.6	pralux®
PPR DD 112/6 LAB 285 MAK	2 x 58	340 410	340 411	340 413	1546±2	10.8	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD 112/2 LAB 285 PLEX-QLR	2 x 18	341 130	341 131	341 133	636±2	5.4	pralux®
PPR DD 112/4 LAB 285 PLEX-QLR	2 x 36	341 260	341 261	341 263	1246±2	9.1	pralux®
PPR DD 112/6 LAB 285 PLEX-QLR	2 x 58	341 400	341 401	341 403	1546±2	11.2	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD 112/2 LAB 285 MAK-QLR	2 x 18	341 140	341 141	341 143	636±2	5.4	pralux®
PPR DD 112/4 LAB 285 MAK-QLR	2 x 36	341 270	341 271	341 273	1246±2	9.1	pralux®
PPR DD 112/6 LAB 285 MAK-QLR	2 x 58	341 410	341 411	341 413	1546±2	11.2	pralux®
Extra cost:							
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, and other Wattages and models available upon request.							
For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!							

Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, transport services, canopies, kitchens and hospitals.



Easy to install cover and fluorescent lamp. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!



Cover plate 285 and push-fit lampholder combined in a captive unit.

1-2 und 21-22

↓ City



 **MODUL** 
ELECTRO
www.modulelectro.ru



← 1+2 21+22

U U11

U

S

7-1



Ausgang
Messe/Gruga

MODUL
ELECTRO
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SU 7-12



Recessed luminaire Feldberg T8

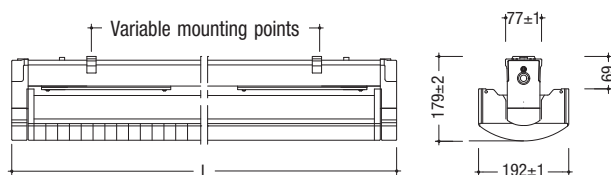
for FL T8/26 mm, single-lamp

for panelled and closed ceilings,
as well as tubular lighting systems

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Convex with 150 mm radius, **Width 185 mm, Modul 100**, two panel width, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7x2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation, in tubular lighting systems and ceilings ...							
... with lamp cover made of acrylic glass (PMMA) and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 PLEX-R 150	1 x 18	375 100	375 101	375 103	636±2	3.1	pralux®
PPR DD 112/3 LAB 185 PLEX-R 150	1 x 36	375 230	375 231	375 233	1246±2	4.5	pralux®
PPR DD 112/5 LAB 185 PLEX-R 150	1 x 58	375 360	375 361	375 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC) and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 MAK-R 150	1 x 18	375 110	375 111	375 113	636±2	3.1	pralux®
PPR DD 112/3 LAB 185 MAK-R 150	1 x 36	375 240	375 241	375 243	1246±2	4.5	pralux®
PPR DD 112/5 LAB 185 MAK-R 150	1 x 58	375 370	375 371	375 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA) interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 PLEX-QLR-R 150	1 x 18	376 100	376 101	376 103	636±2	3.5	pralux®
PPR DD 112/3 LAB 185 PLEX-QLR-R 150	1 x 36	376 230	376 231	376 233	1246±2	5.0	pralux®
PPR DD 112/5 LAB 185 PLEX-QLR-R 150	1 x 58	376 360	376 361	376 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 MAK-QLR-R 150	1 x 18	376 110	376 111	376 113	636±2	3.5	pralux®
PPR DD 112/3 LAB 185 MAK-QLR-R 150	1 x 36	376 240	376 241	376 243	1246±2	5.0	pralux®
PPR DD 112/5 LAB 185 MAK-QLR-R 150	1 x 58	376 370	376 371	376 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request.							
For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!							

Areas of application: Tubular lighting systems, swimming pools, changing rooms, washrooms and shower rooms, public transport services, canopies, kitchens and hospitals.



Easy to install cover and fluorescent lamp. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!



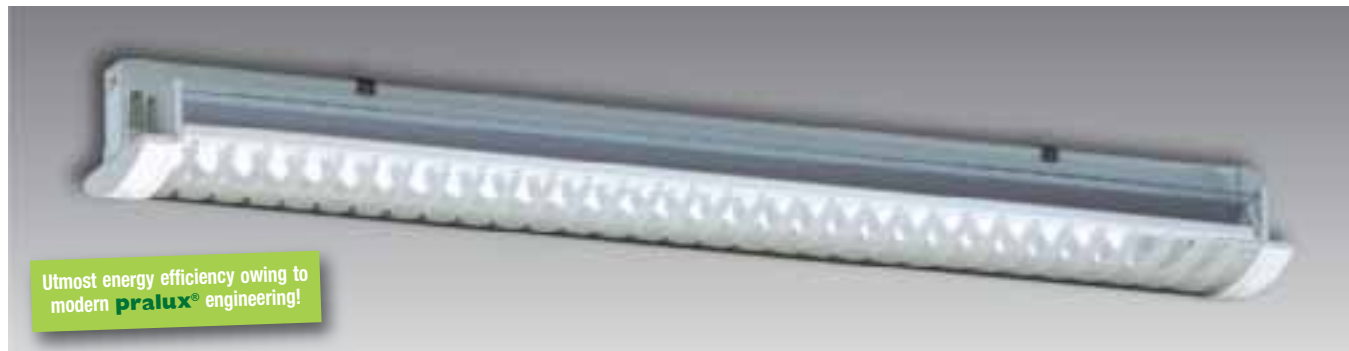
Cover plate 185 R150 and push-fit lampholder combined in a captive unit.

Recessed luminaire Feldberg T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

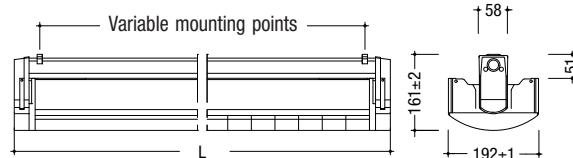
Option: Installation of heat retaining tubes for low ambient temperatures!

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Convex, 150 mm radius, **width 185 mm, Modul 100**, two panel width, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant).
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

Caution! Note the burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	High efficiency (HE) El.bal.	Watt	High output (HO) El.bal.	L (mm)	Weight (kg)
		Art.-No.		Art.-No.		
Surface mounted and recessed luminaire w. through-wiring 2 x 1.5 mm², lengthways installation, 2 panel width Modul 100 ... w. acrylic glass lamp cover (PMMA), wide beam light distribution curve						
PPR DD T5 212../ LAB 185 PLEX-R 150	1 x 14	5375 143	1 x 24	5375 513	597±2	3.1 pralux®
PPR DD T5 212../ LAB 185 PLEX-R 150	1 x 21	5375 213	1 x 39	5375 743	897±2	3.8 pralux®
PPR DD T5 212../ LAB 185 PLEX-R 150	1 x 28	5375 283	1 x 54	5375 873	1197±2	4.5 pralux®
PPR DD T5 212../ LAB 185 PLEX-R 150	1 x 35	5375 353	1 x 49	5375 923	1497±2	7.5 pralux®
PPR DD T5 212../ LAB 185 PLEX-R 150	1 x 80	5375 973	1 x 80	5375 973	1497±2	7.5 pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve						
PPR DD T5 212../ LAB 185 MAK-R 150	1 x 14	5375 153	1 x 24	5375 523	597±2	3.1 pralux®
PPR DD T5 212../ LAB 185 MAK-R 150	1 x 21	5375 223	1 x 39	5375 733	897±2	3.8 pralux®
PPR DD T5 212../ LAB 185 MAK-R 150	1 x 28	5375 293	1 x 54	5375 883	1197±2	4.5 pralux®
PPR DD T5 212../ LAB 185 MAK-R 150	1 x 35	5375 363	1 x 49	5375 933	1497±2	7.5 pralux®
PPR DD T5 212../ LAB 185 MAK-R 150	1 x 80	5375 983	1 x 80	5375 983	1497±2	7.5 pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve						
PPR DD T5 212../ LAB 185 PLEX-QLR-R 150	1 x 14	5376 143	1 x 24	5376 513	597±2	3.5 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR-R 150	1 x 21	5376 213	1 x 39	5376 743	897±2	4.6 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR-R 150	1 x 28	5376 283	1 x 54	5376 873	1197±2	5.0 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR-R 150	1 x 35	5376 353	1 x 49	5376 923	1497±2	8.0 pralux®
PPR DD T5 212../ LAB 185 PLEX-QLR-R 150	1 x 80	5376 973	1 x 80	5376 973	1497±2	8.0 pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve						
PPR DD T5 212../ LAB 185 MAK-QLR-R 150	1 x 14	5376 153	1 x 24	5376 523	597±2	3.5 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR-R 150	1 x 21	5376 223	1 x 39	5376 733	897±2	4.6 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR-R 150	1 x 28	5376 293	1 x 54	5376 883	1197±2	5.0 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR-R 150	1 x 35	5376 363	1 x 49	5376 933	1497±2	8.0 pralux®
PPR DD T5 212../ LAB 185 MAK-QLR-R 150	1 x 80	5376 983	1 x 80	5376 983	1497±2	8.0 pralux®
Extra cost:						
Electronic ballast Dim 1-10V		685 004				
Electronic ballast Dim Dali		685 005				
Electronic ballast Industry			49/54/80	685 006		
Through-wiring 4 x 1.5 mm ² , built-in		690 114				

Note: For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!

Areas of application: Tubular lighting systems, swimming pools, changing rooms, washrooms and shower rooms, public transport services, canopies, kitchens and hospitals.



Luminaire Feldberg with LAB 185 DLR-R 150 cover. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!



Luminaire built into lighting tube.

01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires
 07 Industrial luminaires
 08 Surface and recessed luminaires



Recessed luminaire Delta T8

for FL T8/26 mm, single-lamp

for panelled and closed ceilings, as well as tubular lighting systems

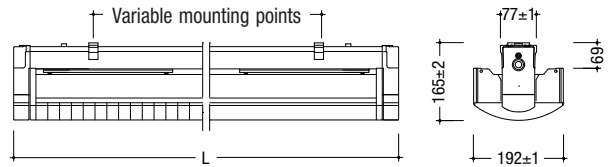
Listed with the Deutsche Bahn AG

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Curved with radius 275 mm, Modul 100, two panel width, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux®** engineering!

Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz

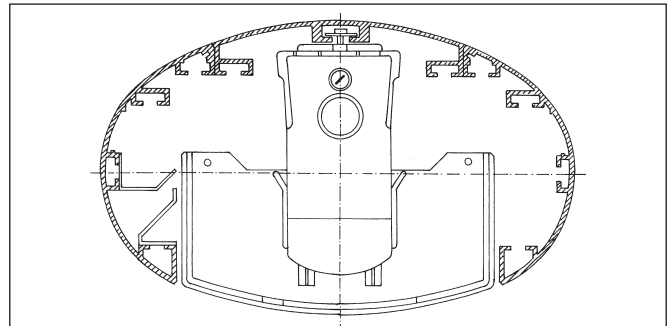


Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation in tubular lighting systems and ceilings ...							
... with lamp cover made of acrylic glass (PMMA) and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 PLEX-R 275	1 x 18	385 100	385 101	385 103	636±2	3.1	pralux®
PPR DD 112/3 LAB 185 PLEX-R 275	1 x 36	385 230	385 231	385 233	1246±2	4.5	pralux®
PPR DD 112/5 LAB 185 PLEX-R 275	1 x 58	385 360	385 361	385 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC) and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 MAK-R 275	1 x 18	385 110	385 111	385 113	636±2	3.1	pralux®
PPR DD 112/3 LAB 185 MAK-R 275	1 x 36	385 240	385 241	385 243	1246±2	4.5	pralux®
PPR DD 112/5 LAB 185 MAK-R 275	1 x 58	385 370	385 371	385 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA) interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 PLEX-QLR-R 275	1 x 18	386 100	386 101	386 103	636±2	3.5	pralux®
PPR DD 112/3 LAB 185 PLEX-QLR-R 275	1 x 36	386 230	386 231	386 233	1246±2	5.0	pralux®
PPR DD 112/5 LAB 185 PLEX-QLR-R 275	1 x 58	386 360	386 361	386 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 185 MAK-QLR-R 275	1 x 18	386 110	386 111	386 113	636±2	3.5	pralux®
PPR DD 112/3 LAB 185 MAK-QLR-R 275	1 x 36	386 240	386 241	386 243	1246±2	5.0	pralux®
PPR DD 112/5 LAB 185 MAK-QLR-R 275	1 x 58	386 370	386 371	386 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request.							
For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!							

Areas of application: Tubular lighting systems, swimming pools, changing rooms, washrooms and shower rooms, public transport services, canopies, kitchens and hospitals.



Easy to install cover and fluorescent lamp. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty.



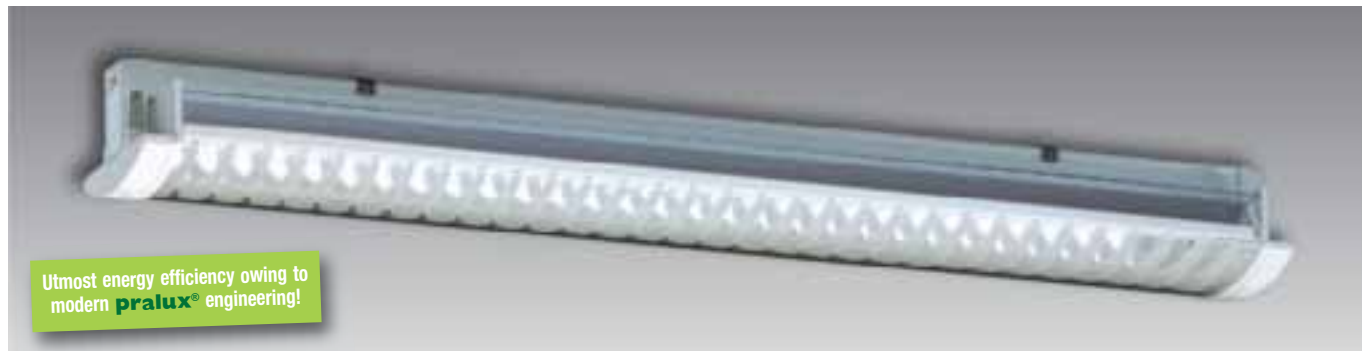
Pracht luminaire Delta R 275 for tubular lighting systems.

Recessed luminaire Delta T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

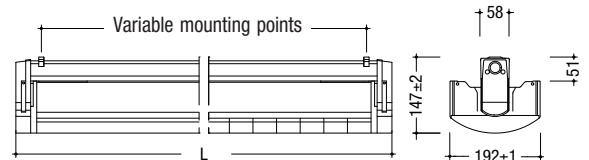
Option: Installation of heat retaining tubes for low ambient temperatures!

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Curved with radius 150 mm, width 275 mm, Modul 100, two panel width, wide beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal**® upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals
Electrical components: Electronic ballast, through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux**® engineering!

Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

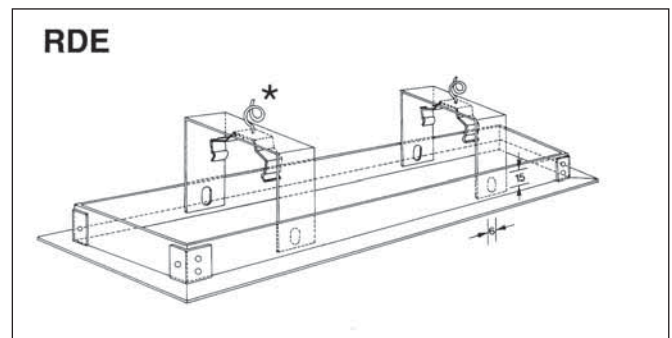


Type (VDE designation)	Watt	High efficiency (HE) El.bal.		Watt	High output (HO) El.bal.		L (mm)	Weight (kg)
		Art.-No.			Art.-No.			
Surface mounted and recessed luminaire w. through-wiring 2 x 1.5 mm², lengthways installation, 2 panel width Modul 100 ... w. acrylic glass lamp cover (PMMA), wide beam light distribution curve								
PPR DD T5 212/.. / LAB 185 PLEX-R 275	1 x 14	5385 143		1 x 24	5385 513		597±2	3.1
PPR DD T5 212/.. / LAB 185 PLEX-R 275	1 x 21	5385 213		1 x 39	5385 743		897±2	3.8
PPR DD T5 212/.. / LAB 185 PLEX-R 275	1 x 28	5385 283		1 x 54	5385 873		1197±2	4.5
PPR DD T5 212/.. / LAB 185 PLEX-R 275	1 x 35	5385 353		1 x 49	5385 923		1497±2	7.5
PPR DD T5 212/.. / LAB 185 PLEX-R 275				1 x 80	5385 973		1497±2	7.5
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve								
PPR DD T5 212/.. / LAB 185 MAK-R 275	1 x 14	5385 153		1 x 24	5385 523		597±2	3.1
PPR DD T5 212/.. / LAB 185 MAK-R 275	1 x 21	5385 223		1 x 39	5385 733		897±2	3.8
PPR DD T5 212/.. / LAB 185 MAK-R 275	1 x 28	5385 293		1 x 54	5385 883		1197±2	4.5
PPR DD T5 212/.. / LAB 185 MAK-R 275	1 x 35	5385 363		1 x 49	5385 933		1497±2	7.5
PPR DD T5 212/.. / LAB 185 MAK-R 275				1 x 80	5385 983		1497±2	7.5
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve								
PPR DD T5 212/.. / LAB 185 PLEX-QLR-R 275	1 x 14	5386 143		1 x 24	5386 513		597±2	3.5
PPR DD T5 212/.. / LAB 185 PLEX-QLR-R 275	1 x 21	5386 213		1 x 39	5386 743		897±2	4.6
PPR DD T5 212/.. / LAB 185 PLEX-QLR-R 275	1 x 28	5386 283		1 x 54	5386 873		1197±2	5.0
PPR DD T5 212/.. / LAB 185 PLEX-QLR-R 275	1 x 35	5386 353		1 x 49	5386 923		1497±2	8.0
PPR DD T5 212/.. / LAB 185 PLEX-QLR-R 275				1 x 80	5386 973		1497±2	8.0
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve								
PPR DD T5 212/.. / LAB 185 MAK-QLR-R 275	1 x 14	5386 153		1 x 24	5386 523		597±2	3.5
PPR DD T5 212/.. / LAB 185 MAK-QLR-R 275	1 x 21	5386 223		1 x 39	5386 733		897±2	4.6
PPR DD T5 212/.. / LAB 185 MAK-QLR-R 275	1 x 28	5386 293		1 x 54	5386 883		1197±2	5.0
PPR DD T5 212/.. / LAB 185 MAK-QLR-R 275	1 x 35	5386 363		1 x 49	5386 933		1497±2	8.0
PPR DD T5 212/.. / LAB 185 MAK-QLR-R 275				1 x 80	5386 983		1497±2	8.0
Extra cost:								
Electronic ballast Dim 1-10V		685 004						
Electronic ballast Dim Dali		685 005						
Electronic ballast Industry				49/54/80	685 006			
Through-wiring 4 x 1.5 mm ² , built-in		690 114						
Note: For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170-171; replacement parts 166-168!								

Areas of application: Tubular lighting systems, swimming pools, changing rooms, washrooms and shower rooms, public transport services, canopies, kitchens and hospitals.



Pracht luminaire Delta with cover LAB 185 DLR-R 275.



Recess frame for closed ceilings.

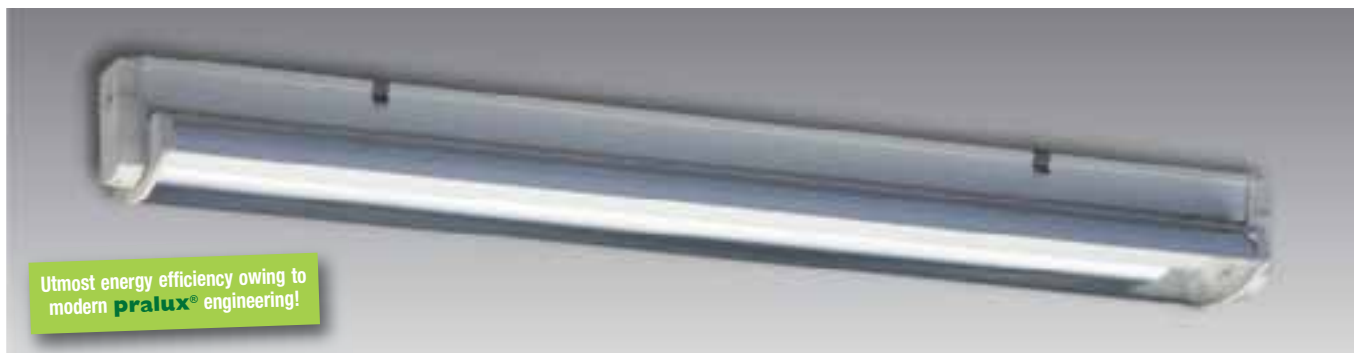


Recessed and surface mounted luminaire T8

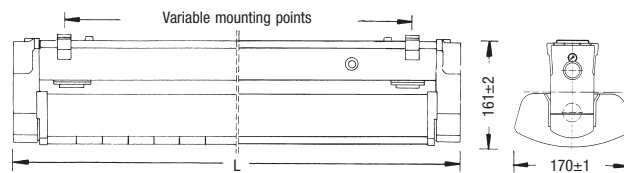
for FL T8/26 mm

for tubular lighting and light channel systems, single-lamp

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Curved with radius 170 mm, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **practopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.

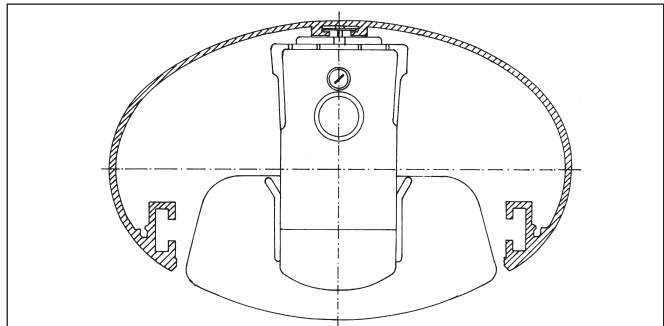


Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Ballast type			L (mm)	Weight (kg)	pralux®
		Inductive Art.-No.	Compensated Art.-No.	Electronic ballast Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation in tubular lighting systems, ceiling and tensioning wire mounting, with lamp cover made of acrylic glass (PMMA) and wide beam light distribution curve, with centering and retaining springs ...							
PPR DD 112/1 LAB 170 PLEX-R 170	1 x 18	380 100	380 101	380 103	636±2	3.1	pralux®
PPR DD 112/3 LAB 170 PLEX-R 170	1 x 36	380 230	380 231	380 233	1246±2	4.5	pralux®
PPR DD 112/5 LAB 170 PLEX-R 170	1 x 58	380 360	380 361	380 363	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC) and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 170 MAK-R 170	1 x 18	380 110	380 111	380 113	636±2	3.1	pralux®
PPR DD 112/3 LAB 170 MAK-R 170	1 x 36	380 240	380 241	380 243	1246±2	4.5	pralux®
PPR DD 112/5 LAB 170 MAK-R 170	1 x 58	380 370	380 371	380 373	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 170 PLEX-QLR-R 170	1 x 18	381 100	381 101	381 103	636±2	3.5	pralux®
PPR DD 112/3 LAB 170 PLEX-QLR-R 170	1 x 36	381 230	381 231	381 233	1246±2	5.0	pralux®
PPR DD 112/5 LAB 170 PLEX-QLR-R 170	1 x 58	381 360	381 361	381 363	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs							
PPR DD 112/1 LAB 170 MAK-QLR-R 170	1 x 18	381 110	381 111	381 113	636±2	3.5	pralux®
PPR DD 112/3 LAB 170 MAK-QLR-R 170	1 x 36	381 240	381 241	381 243	1246±2	5.0	pralux®
PPR DD 112/5 LAB 170 MAK-QLR-R 170	1 x 58	381 370	381 371	381 373	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1-10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, and other wattages and models available upon request.; for replacement parts see page 166-168!							

Areas of application: Tubular lighting systems, public transport.



PRACHT- Luminaire Gamma R 170 for tubular lighting systems.



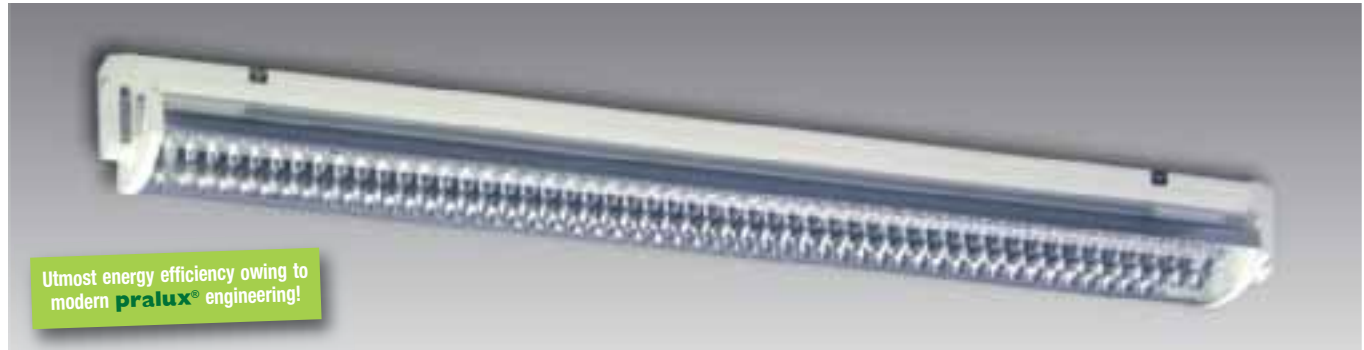
Luminaire Gamma with interior white cross blade louver.

Recessed luminaire Gamma T5

for FL T5/16 mm, single-lamp, with lamp insertion aid, for panelled or closed ceilings, and light channel systems

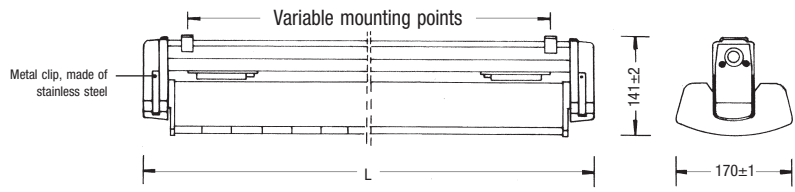
Option: Installation of heat retaining tubes for low ambient temperatures!

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT with clip made of stainless steel.
Socket: Two-slot plug-in socket.
Lamp cover: Curved with radius 170 mm, **wide beam**, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal®** upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Electronic ballast, Through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Protection class II acc. to VDE 0711
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz

Caution! Note the burn-in recommendations issued by the lamp manufacturer!



Type (VDE designation)	Watt	High efficiency (HE) El.bal.		Watt	High output (HO) El.bal.		L (mm)	Weight (kg)	
		Art.-No.			Art.-No.				
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², with acrylic glass lamp cover (PMMA) and wide beam light distribution curve, with centering and retaining springs									
PPR DD T5 212../ LAB 170 PLEX-R 170	1 x 14	5380 143		1 x 24	5380 513		597±2	3.1	pralux®
PPR DD T5 212../ LAB 170 PLEX-R 170	1 x 21	5380 213		1 x 39	5380 743		897±2	3.8	pralux®
PPR DD T5 212../ LAB 170 PLEX-R 170	1 x 28	5380 283		1 x 54	5380 873		1197±2	4.5	pralux®
PPR DD T5 212../ LAB 170 PLEX-R 170	1 x 35	5380 353		1 x 49	5380 923		1497±2	7.5	pralux®
PPR DD T5 212../ LAB 170 PLEX-R 170				1 x 80	5380 973		1497±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC) and wide beam light distribution curve, with centering and retaining springs									
PPR DD T5 212../ LAB 170 MAK-R 170	1 x 14	5380 153		1 x 24	5380 523		597±2	3.1	pralux®
PPR DD T5 212../ LAB 170 MAK-R 170	1 x 21	5380 223		1 x 39	5380 753		897±2	3.8	pralux®
PPR DD T5 212../ LAB 170 MAK-R 170	1 x 28	5380 293		1 x 54	5380 883		1197±2	4.5	pralux®
PPR DD T5 212../ LAB 170 MAK-R 170	1 x 35	5380 363		1 x 49	5380 933		1497±2	7.5	pralux®
PPR DD T5 212../ LAB 170 MAK-R 170				1 x 80	5380 983		1497±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA) interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs									
PPR DD T5 212../ LAB 170 PLEX-QLR-R 170	1 x 14	5381 143		1 x 24	5381 513		597±2	3.5	pralux®
PPR DD T5 212../ LAB 170 PLEX-QLR-R 170	1 x 21	5381 213		1 x 39	5381 743		897±2	4.6	pralux®
PPR DD T5 212../ LAB 170 PLEX-QLR-R 170	1 x 28	5381 283		1 x 54	5381 873		1197±2	5.0	pralux®
PPR DD T5 212../ LAB 170 PLEX-QLR-R 170	1 x 35	5381 353		1 x 49	5381 923		1497±2	8.0	pralux®
PPR DD T5 212../ LAB 170 PLEX-QLR-R 170				1 x 80	5381 973		1497±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), interior cross-blade louver and wide beam light distribution curve, with centering and retaining springs									
PPR DD T5 212../ LAB 170 MAK-QLR-R 170	1 x 14	5381 153		1 x 24	5381 523		597±2	3.5	pralux®
PPR DD T5 212../ LAB 170 MAK-QLR-R 170	1 x 21	5381 223		1 x 39	5381 753		897±2	4.6	pralux®
PPR DD T5 212../ LAB 170 MAK-QLR-R 170	1 x 28	5381 293		1 x 54	5381 883		1197±2	5.0	pralux®
PPR DD T5 212../ LAB 170 MAK-QLR-R 170	1 x 35	5381 363		1 x 49	5381 933		1497±2	8.0	pralux®
PPR DD T5 212../ LAB 170 MAK-QLR-R 170				1 x 80	5381 983		1497±2	8.0	pralux®
Extra cost:									
Electronic ballast Dim 1-10V		685 004							
Electronic ballast Dim Dali		685 005							
Electronic ballast Industry				49/54/80	685 006				
Through-wiring 4 x 1.5 mm ² , built-in		690 114							
Note: Transverse installation, and other wattages and models available upon request.; for replacement parts see page 166-168!									

Areas of application: Tubular lighting systems, public transport.



With interior, mirrored dark-light louver.



Lamp cover for luminaire Gamma T5 for outdoor use with heat retaining tube section upon request, recommended for amalgam lamp.



Recessed luminaire Riederwald T8

for FL T8/26 mm

for panelled or closed ceilings, and lighting channel systems

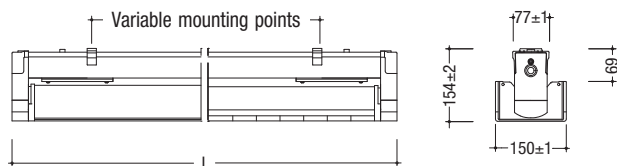
Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Width 150 mm, wide beam, made of acrylic glass (PMMA) or polycarbonate (PC, impact-resistant), **prachtopal**® upon request, with stainless steel centering and retaining springs.
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant and horizontal wall mounting.



Utmost energy efficiency owing to modern **pralux**® engineering!



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 Shock (RC) 0.63*
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)	
		Art.-No.	Art.-No.	Art.-No.			
Surface mounted and recessed luminaire with through-wiring 2 x 1.5 mm², for lengthways installation ...							
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, and wide beam light distribution curve							
PPR DD 112/1 LAB 150 PLEX	1 x 18	360 160	360 161	360 163	636±2	3.1	pralux®
PPR DD 112/3 LAB 150 PLEX	1 x 36	360 300	360 301	360 303	1246±2	4.5	pralux®
PPR DD 112/5 LAB 150 PLEX	1 x 58	360 430	360 431	360 433	1546±2	7.5	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs and wide beam light distribution curve							
PPR DD 112/1 LAB 150 MAK	1 x 18	360 170	360 171	360 173	636±2	3.1	pralux®
PPR DD 112/3 LAB 150 MAK	1 x 36	360 310	360 311	360 313	1246±2	4.5	pralux®
PPR DD 112/5 LAB 150 MAK	1 x 58	360 440	360 441	360 443	1546±2	7.5	pralux®
... with lamp cover made of acrylic glass (PMMA), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD 112/1 LAB 150 PLEX-QLR	1 x 18	361 160	361 161	361 163	636±2	3.5	pralux®
PPR DD 112/3 LAB 150 PLEX-QLR	1 x 36	361 300	361 301	361 303	1246±2	5.0	pralux®
PPR DD 112/5 LAB 150 PLEX-QLR	1 x 58	361 430	361 431	361 433	1546±2	8.0	pralux®
... with lamp cover made of polycarbonate (PC), with centering and retaining springs, interior cross-blade louver and wide beam light distribution curve							
PPR DD 112/1 LAB 150 MAK-QLR	1 x 18	361 170	361 171	361 173	636±2	3.5	pralux®
PPR DD 112/3 LAB 150 MAK-QLR	1 x 36	361 310	361 311	361 313	1246±2	5.0	pralux®
PPR DD 112/5 LAB 150 MAK-QLR	1 x 58	361 440	361 441	361 443	1546±2	8.0	pralux®
Extra cost:							
Electronic ballast Dim 1–10V (add to el. bal. version)		685 004					
Electronic ballast Dim Dali (add to el. bal. version)		685 005					
Electronic ballast Industry (add to el. bal. version)	36/58	685 006					
Through-wiring 4 x 1.5 mm ² , built-in		690 114					
*Shock version		100 999					
Note: Transverse installation, as well as other wattages and models available upon request.							
For easier installation of our recessed luminaires we recommend using our recess frame, available as an accessory. See pages 170–171; replacement parts 166–168!							

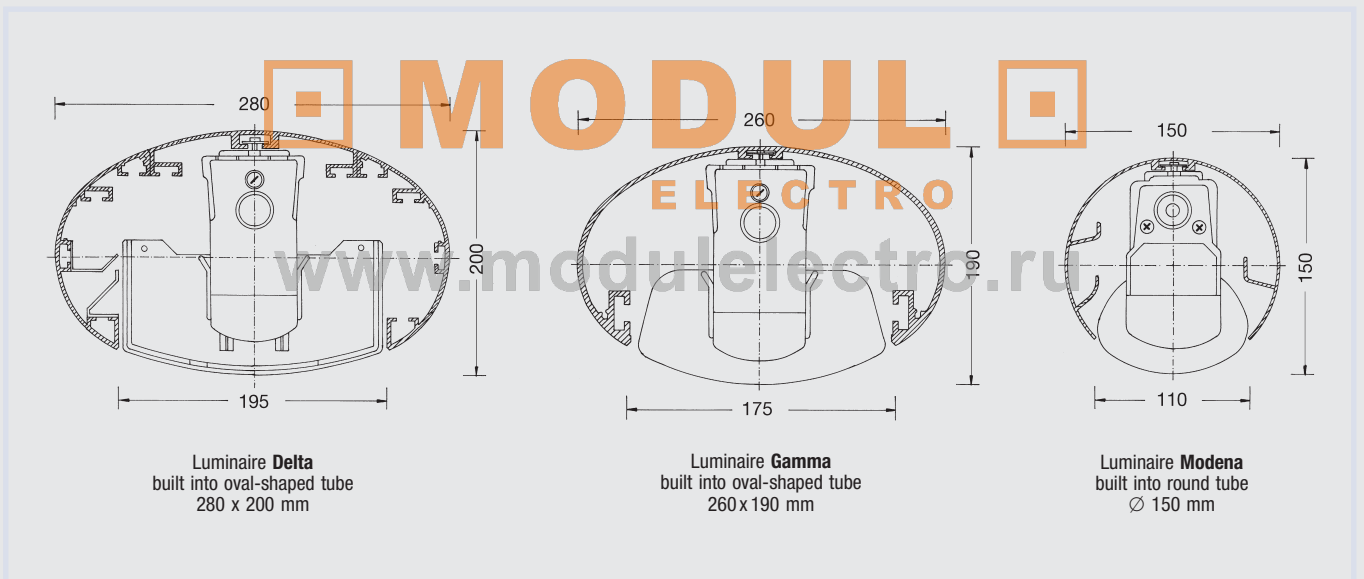
Areas of application: Swimming pools, changing rooms, washrooms and shower rooms, public transport services, canopies, kitchens and hospitals.



Cover plate 150 and push-fit lampholder combined in a captive unit.



Easy mounting of cover and FL with built-in mirrored dark-light louver. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!





Accessories for recessed luminaires (replacement covers) T8

for FL T8/26 mm,

Acrylic glass = PMMA = PLEX or
 Polycarbonate= PC = MAK optionally with
 cross blade louver (CBL), steel plate, white coated or mirrored
 dark-light louver (DLL) integrated within the lamp cover

Utmost energy efficiency owing to modern pralux® engineering!

Designation	For lamps Ø	Type	18 Watt	36 Watt	58 Watt	
			Art.-No.	Art.-No.	Art.-No.	
Lamp covers, clear with interior specular reflector, with stainless steel centering and retaining springs						
Meißner, wide beam, w. stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LAB 085-PLEX	617 111	617 113	617 115	pralux®
Polycarbonate	Ø 26	LAB 085-MAK	617 311	617 313	617 315	pralux®
Acrylic glass with cross blade louver	Ø 26	LAB 085-PLEX-QLR	617 211	617 213	617 215	pralux®
Polycarbonate with cross blade louver	Ø 26	LAB 085-MAK-QLR	617 411	617 413	617 415	pralux®
Taunus and Milos, wide beam, with stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LAB 185-PLEX	617 121	617 123	617 125	pralux®
Polycarbonate	Ø 26	LAB 185-MAK	617 321	617 323	617 325	pralux®
Acrylic glass with cross blade louver	Ø 26	LAB 185-PLEX-QLR	617 621	617 623	617 625	pralux®
Polycarbonate with interior cross blade louver	Ø 26	LAB 185-MAK-QLR	617 821	617 823	617 825	pralux®
Acrylic glass with dark-light louver	Ø 26	LAB 185-PLEX-DLR	617 521	617 523	617 525	pralux®
Polycarbonate with dark-light louver	Ø 26	LAB 185-MAK-DLR	617 531	617 533	617 535	pralux®
Spessart and Milos, narrow beam, with stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LAT 185-PLEX	617 131	617 133	617 135	pralux®
Polycarbonate	Ø 26	LAT 185-MAK	617 331	617 333	617 335	pralux®
Acrylic glass with interior cross blade louver	Ø 26	LAT 185-PLEX-QLR	617 631	617 633	617 635	pralux®
Polycarbonate with interior cross blade louver	Ø 26	LAT 185-MAK-QLR	617 831	617 833	617 835	pralux®
Acrylic glass with dark-light louver	Ø 26	LAT 185-PLEX-DLR	617 651	617 653	617 655	pralux®
Polycarbonate with dark-light louver	Ø 26	LAT 185-MAK-DLR	617 851	617 853	617 855	pralux®
Allgäu and Milos, asymmetric beam, with stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LAS 185-PLEX	617 141	617 143	617 145	pralux®
Polycarbonate	Ø 26	LAS 185-MAK	617 341	617 343	617 345	pralux®
Acrylic glass with cross blade louver	Ø 26	LAS 185-PLEX-QLR	617 641	617 643	617 645	pralux®
Polycarbonate with interior cross blade louver	Ø 26	LAS 185-MAK-QLR	617 841	617 843	617 845	pralux®
Acrylic glass with dark-light louver	Ø 26	LAS 185-PLEX-DLR	617 541	617 543	617 545	pralux®
Polycarbonate with dark-light louver	Ø 26	LAS 185-MAK-DLR	617 551	617 553	617 555	pralux®
Riederwald, wide beam, with stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LAB 150 PLEX	617 151	617 153	617 155	pralux®
Polycarbonate	Ø 26	LAB 150-MAK	617 171	617 173	617 175	pralux®
Acrylic glass with interior cross blade louver	Ø 26	LAB 150-PLEX-QLR	618 161	618 163	618 165	pralux®
Polycarbonate with interior cross blade louver	Ø 26	LAB 150-MAK-QLR	618 181	618 183	618 185	pralux®
Acrylic glass with dark-light louver	Ø 26	LAB 150-PLEX-DLR	618 131	618 133	618 135	pralux®
Polycarbonate with dark-light louver	Ø 26	LAB 150-MAK-DLR	618 141	618 143	618 145	pralux®
Tirol, extra asymmetric beam, with stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LASAE 185 PLEX	637 141	637 143	637 145	pralux®
Polycarbonate	Ø 26	LASAE 185-MAK	618 271	618 273	618 275	pralux®
Acrylic glass with cross blade louver	Ø 26	LASAE 185-PLEX-QLR	618 261	618 263	618 265	pralux®
Polycarbonate with cross blade louver	Ø 26	LASAE 185-MAK-QLR	618 281	618 283	618 285	pralux®
Odenwald and Milos, wide beam, with stainless steel centering and retaining springs						
Acrylic glass	Ø 26	LAB 285 PLEX	617 152	617 154	617 156	pralux®
Polycarbonate	Ø 26	LAB 285-MAK	617 352	617 354	617 356	pralux®
Acrylic glass with cross blade louver	Ø 26	LAB 285-PLEX-QLR	617 652	617 654	617 656	pralux®
Polycarbonate with cross blade louver	Ø 26	LAB 285-MAK-QLR	617 852	617 854	617 856	pralux®
Acrylic glass with dark-light louver	Ø 26	LAB 285-PLEX-DLR	617 662	617 664	617 666	pralux®
Polycarbonate with dark-light louver	Ø 26	LAB 285-MAK-DLR	617 862	617 864	617 866	pralux®

01 Recessed luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires
 07 Industrial luminaires
 08 Surface and recessed luminaires

Accessories for recessed luminaires (replacement covers) T8

for FL T8/26 mm

Acrylic glass = PMMA = PLEX or

Polycarbonate = PC = MAK optionally with

Cross blade louver (CBL), steel plate, white coated or mirrored dark-light louver (DLL) integrated within the lamp cover

Utmost energy efficiency owing to modern pralux® engineering!



Designation	For lamps Ø	Type	18 Watt	36 Watt	58 Watt	
			Art.-No.	Art.-No.	Art.-No.	
Lamp covers, clear with interior specular reflector, with stainless steel centering and retaining springs						
Gamma R 170, wide beam, with stainless steel centering and retaining springs						
Acrylic glass	T8 Ø 26	LAB-PLEX R 170	613 111	613 113	613 115	pralux®
Polycarbonate	T8 Ø 26	LAB-MAK R 170	613 121	613 123	613 125	pralux®
Acrylic glass with interior cross blade louver	T8 Ø 26	LAB-PLEX-QLR R 170	613 211	613 213	613 215	pralux®
Polycarbonate with interior cross blade louver	T8 Ø 26	LAB-MAK-QLR R 170	613 411	613 413	613 415	pralux®
Feldberg R 150, wide beam, with stainless steel centering and retaining springs						
Acrylic glass	T8 Ø 26	LAB 185-PLEX-R 150	617 611	617 613	617 615	pralux®
Polycarbonate	T8 Ø 26	LAB 185-MAK-R 150	617 811	617 813	617 815	pralux®
Acrylic glass with interior cross blade louver	T8 Ø 26	LAB 185-PLEX-QLR-R 150	617 711	617 713	617 715	pralux®
Polycarbonate with interior cross blade louver	T8 Ø 26	LAB 185-MAK-QLR-R 150	617 911	617 913	617 915	pralux®
Delta R 275, wide beam, with stainless steel centering and retaining springs						
Acrylic glass	T8 Ø 26	LAB PLEX R 275	613 511	613 513	613 515	pralux®
Polycarbonate	T8 Ø 26	LAB MAK R 275	613 711	613 713	613 715	pralux®
Acrylic glass with interior cross blade louver	T8 Ø 26	LAB PLEX-QLR R 275	613 611	613 613	613 615	pralux®
Polycarbonate with interior cross blade louver	T8 Ø 26	LAB MAK-QLR R 275	613 811	613 813	613 815	pralux®
Modena, medium-beam						
Parabolic mirror reflector for Apollo DD system with DDF push-fit lampholder, medium-beam distribution, with centering and retaining springs						
practopal® acrylic gl., impact-res.	T8 Ø 26	PSR-PLEX-PO-DD	614 601	614 603	614 605	pralux®
Acrylic glass, clear, interior ribbing	T8 Ø 26	PSR-PLEX-IG-DD	631 201	631 203	631 205	pralux®
Acrylic glass, clear	T8 Ø 26	PSR-PLEX-DD	631 211	631 213	631 215	pralux®
Polycarbonate, clear, interior ribbing	T8 Ø 26	PSR-MAK-IG-DD	631 301	631 303	631 305	pralux®
Polycarbonate, clear	T8 Ø 26	PSR-MAK-DD	631 311	631 313	631 315	pralux®
with interior cross-blade louver, white, with stainless steel centering and retaining springs						
Acrylic glass, clear, int. ribbing, CBL	T8 Ø 26	PSR-PLEX-IG-QLR-DD	631 401	631 403	631 405	pralux®
Acrylic glass, clear, CBL	T8 Ø 26	PSR-PLEX-QLR-DD	631 411	631 413	631 415	pralux®
Polycarbonate, clear, int. ribbing, CBL	T8 Ø 26	PSR-MAK-IG-QLR-DD	631 501	631 503	631 505	pralux®
Polycarbonate, clear, CBL	T8 Ø 26	PSR-MAK-QLR-DD	631 511	631 513	631 515	pralux®
with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, int. ribbing, DLL	T8 Ø 26	PSR-PLEX-IG-DLR-DD	631 601	631 603	631 605	pralux®
Acrylic glass, clear, DLL	T8 Ø 26	PSR-PLEX-DLR-DD	631 611	631 613	631 615	pralux®
Polycarbonate, clear, int. ribbing, DLL	T8 Ø 26	PSR-MAK-IG-DLR-DD	631 602	631 604	631 606	pralux®
Polycarbonate, clear, DLL	T8 Ø 26	PSR-MAK-DLR-DD	631 612	631 614	631 616	pralux®
Cable entry ceiling-side 148 mm			691 151	691 151	691 151	pralux®
Cable entry, side 140 mm			691 150	691 150	691 150	pralux®
Through-wiring built-in, 4 x 1.5 mm²			690 114	690 314	690 514	pralux®
Through-wiring built-in, 4 x 2.5 mm² extra cost to 4 x 1.5 mm²			690 124	690 324	690 524	pralux®

Note: Modena T5 construction, see Apollo T5 DD single-lamp. Narrow beam and asymmetric beam versions upon request.

01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires
 07 Industrial luminaires
 08 Surface and recessed luminaires



Accessories for recessed luminaires (replacement covers) T5

Utmost energy efficiency owing to modern **pralux**® engineering!

for T5/16 mm fluorescent lamps,

Acrylic glass = PMMA = PLEX or

Polycarbonate = PC = MAK optionally with

cross blade louver (CBL), steel plate, white coated or mirrored dark-light louver (DLL) integrated within the lamp

Designation	For lamps ∅	Type	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt	
			Art.-No.	Art.-No.	Art.-No.	Art.-No.	
Lamp covers, clear with interior specular reflector, with stainless steel centering and retaining springs							
Meißner, wide beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAB 085-PLEX-T5	5617 111	5617 114	5617 113	5617 115	pralux®
Polycarbonate	∅ 16	LAB 085-MAK-T5	5617 311	5617 314	5617 313	5617 315	pralux®
Acrylic glass w. cross blade louver	∅ 16	LAB 085-PLEX-QLR-T5	5617 611	5617 614	5617 613	5617 615	pralux®
Polycarbonate with cross blade louver	∅ 16	LAB 085-MAK-QLR-T5	5617 811	5617 814	5617 813	5617 815	pralux®
Acrylic glass with dark-light louver	∅ 16	LAB 085-PLEX-DLR-T5	5617 511	5617 514	5617 513	5617 515	pralux®
Polycarbonate with dark-light louver	∅ 16	LAB 085-MAK-DLR-T5	5617 501	5617 504	5617 503	5617 505	pralux®
Taunus, wide beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAB 185-PLEX-T5	5617 121	5617 124	5617 123	5617 125	pralux®
Polycarbonate	∅ 16	LAB 185-MAK-T5	5617 321	5617 324	5617 323	5617 325	pralux®
Acrylic glass w. cross blade louver	∅ 16	LAB 185-PLEX-QLR-T5	5617 621	5617 624	5617 623	5617 625	pralux®
Polycarbonate with cross blade louver	∅ 16	LAB 185-MAK-QLR-T5	5617 821	5617 824	5617 823	5617 825	pralux®
Acrylic glass with dark-light louver	∅ 16	LAB 185-PLEX-DLR-T5	5617 521	5617 524	5617 523	5617 525	pralux®
Polycarbonate with dark-light louver	∅ 16	LAB 185-MAK-DLR-T5	5617 531	5617 534	5617 533	5617 535	pralux®
Spessart, narrow beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAT 185-PLEX-T5	5617 131	5617 134	5617 133	5617 135	pralux®
Polycarbonate	∅ 16	LAT 185-MAK-T5	5617 331	5617 334	5617 333	5617 335	pralux®
Acrylic glass w. cross blade louver	∅ 16	LAT 185-PLEX-QLR-T5	5617 631	5617 634	5617 633	5617 635	pralux®
Polycarbonate with cross blade louver	∅ 16	LAT 185-MAK-QLR-T5	5617 831	5617 834	5617 833	5617 835	pralux®
Acrylic glass with dark-light louver	∅ 16	LAT 185-PLEX-DLR-T5	5617 651	5617 654	5617 653	5617 655	pralux®
Polycarbonate with dark-light louver	∅ 16	LAT 185-MAK-DLR-T5	5617 851	5617 854	5617 853	5617 855	pralux®
Allgäu, asymmetric beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAS 185-PLEX-T5	5617 141	5617 144	5617 143	5617 145	pralux®
Polycarbonate	∅ 16	LAS 185-MAK-T5	5617 341	5617 344	5617 343	5617 345	pralux®
Acrylic glass w. cross blade louver	∅ 16	LAS 185-PLEX-QLR-T5	5617 641	5617 644	5617 643	5617 645	pralux®
Polycarbonate with cross blade louver	∅ 16	LAS 185-MAK-QLR-T5	5617 841	5617 844	5617 843	5617 845	pralux®
Acrylic glass with dark-light louver	∅ 16	LAS 185-PLEX-DLR-T5	5617 541	5617 544	5617 543	5617 545	pralux®
Polycarbonate with dark-light louver	∅ 16	LAS 185-MAK-DLR-T5	5617 551	5617 554	5617 553	5617 555	pralux®
Gamma R 170, wide beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAB-PLEX R 170-T5	5613 111	upon request	5613 113	5613 115	pralux®
Polycarbonate	∅ 16	LAB-MAK R 170-T5	5613 121	upon request	5613 123	5613 125	pralux®
Acrylic glass with interior cross blade louver	∅ 16	LAB-PLEX-QLR R 170-T5	5613 211	upon request	5613 213	5613 215	pralux®
Polycarbonate with interior cross blade louver	∅ 16	LAB-MAK-QLR R 170-T5	5613 411	upon request	5613 413	5613 415	pralux®
Feldberg R 150, wide beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAB 185-PLEX-R 150-T5	5617 611	upon request	5617 613	5617 615	pralux®
Polycarbonate	∅ 16	LAB 185-MAK-R 150-T5	5617 811	upon request	5617 813	5617 815	pralux®
Acrylic glass with interior cross blade louver	∅ 16	LAB 185-PLEX-QLR-R 150-T5	5617 711	upon request	5617 713	5617 715	pralux®
Polycarbonate with interior Cross blade louver	∅ 16	LAB 185-MAK-QLR-R 150-T5	5617 911	upon request	5617 913	5617 915	pralux®
Delta R 275, wide beam, with stainless steel centering and retaining springs							
Acrylic glass	∅ 16	LAB 185-PLEX-R 275-T5	5617 611	upon request	5617 613	5617 615	pralux®
Polycarbonate	∅ 16	LAB 185-MAK-R 275-T5	5617 811	upon request	5617 813	5617 815	pralux®
Acrylic glass with interior Cross blade louver	∅ 16	LAB 185-PLEX-QLR-R 275-T5	5617 711	upon request	5617 713	5617 715	pralux®
Polycarbonate with interior Cross blade louver	∅ 16	LAB 185-MAK-QLR-R 275-T5	5617 911	upon request	5617 913	5617 915	pralux®
Cable entry ceiling side 105 mm			691 151	691 151	691 151	691 151	pralux®
Cable entry, side 155 mm			691 150	691 150	691 150	691 150	pralux®
Through-wiring built-in, 4x1.5 mm²			690 114	690 314	690 514	690 514	pralux®
Through-wiring built-in, 4x2.5 mm²							
Extra cost to 4x1.5 mm²			690 124	690 324	690 524	690 524	pralux®
Note: For outdoor installations an additional heat retaining tube is available upon request.							

U1 Mangfallplatz
Richtung Zentrum

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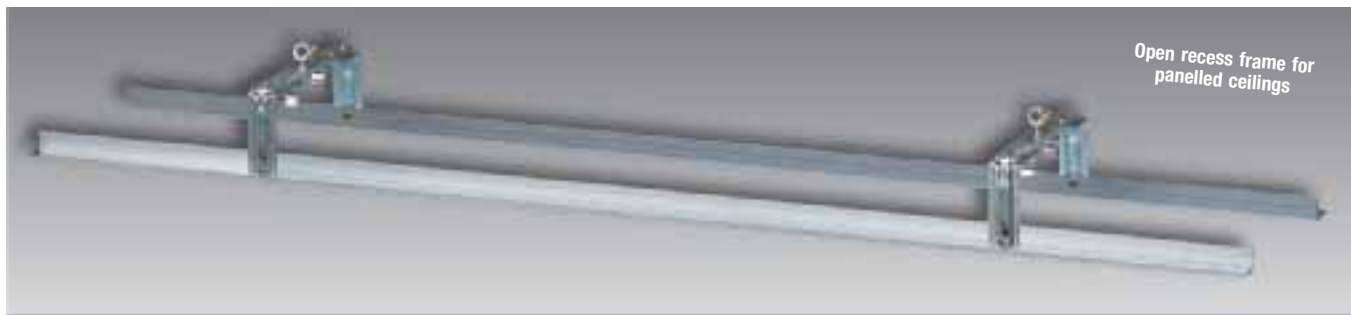


Built-in ceiling recess frame for recessed luminaires T8 and T5

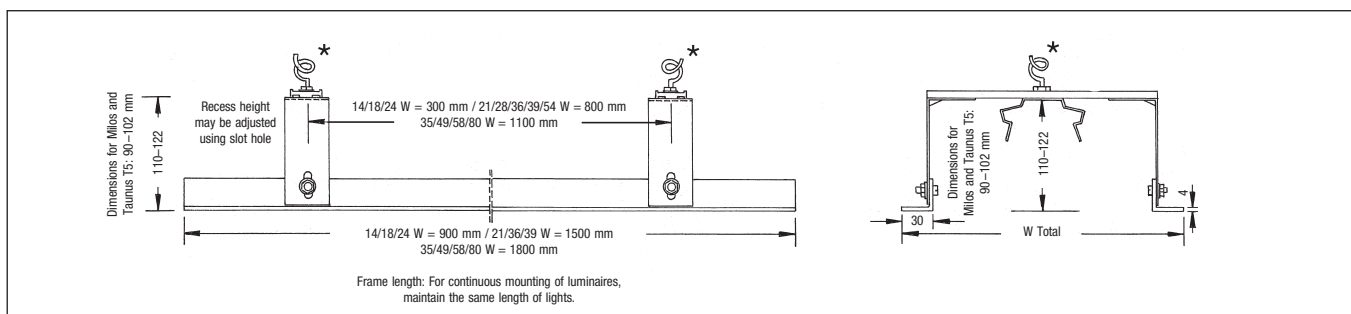
DKR line for panelled ceilings

Stable metal recess frame for easy installation of Protection Class II luminaires. For ceiling recessed luminaires Meißner, Riederwald, Taunus and Odenwald.

Please use the Taunus luminaire recess frame for Allgäu, Spessart, Feldberg and Delta luminaires!



Open recess frame for panelled ceilings



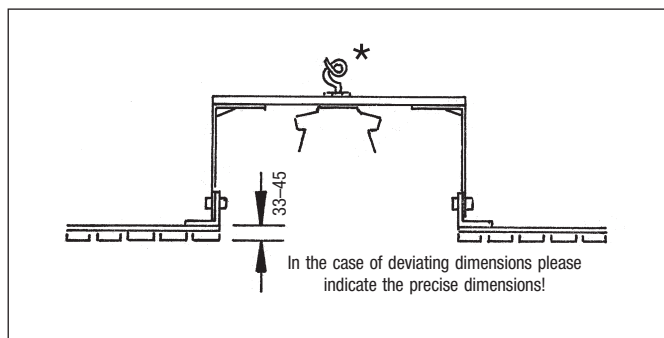
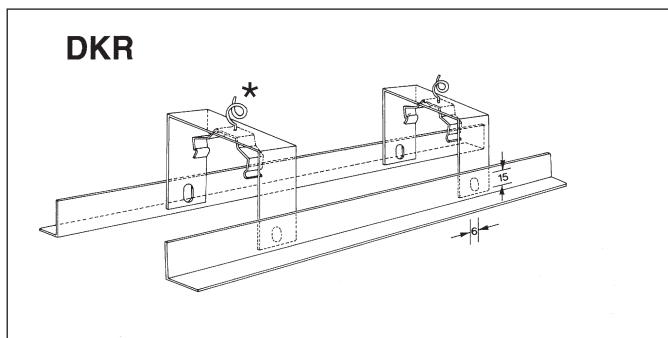
Note: The Taunus frame is also used in connection with the Allgäu, Spessart, Feldberg and Delta luminaires

Type	Watt	Meissner LAB 085 Art.-No.	Riederwald LAB 150 Art.-No.	Taunus LAB 185 Art.-No.	Odenwald LAB 285 Art.-No.
DKR .../1	18 W	619 111	619 311	619 121	619 152
DKR .../3	36 W	619 113	619 313	619 123	619 154
DKR .../5	58 W	619 115	619 315	619 125	619 156
DKR .../21	14/24 W			619 127	
DKR .../23	21/39 W			619 128	
DKR .../25	28/54 W			619 129	
DKR .../27/29	35/49/80 W			619 130	
Total width (mm)		175	240	275	375

Note: All dimensions are stated in mm±2.

***Note:** A protective ceiling cover should be supplied and fitted by the building's owner.

Type	Watt	Milos LAB 185 Art.-No.	Milos LAB 285 Art.-No.	Tirol LAB 185 Art.-No.
DKR .../1	18 W	619 122	619 153	619 322
DKR .../3	36 W	619 124	619 155	619 324
DKR .../5	58 W	619 126	619 157	619 326
Total width (mm)		275	375	275



Ceiling recess frame for recessed luminaires T8 and T5

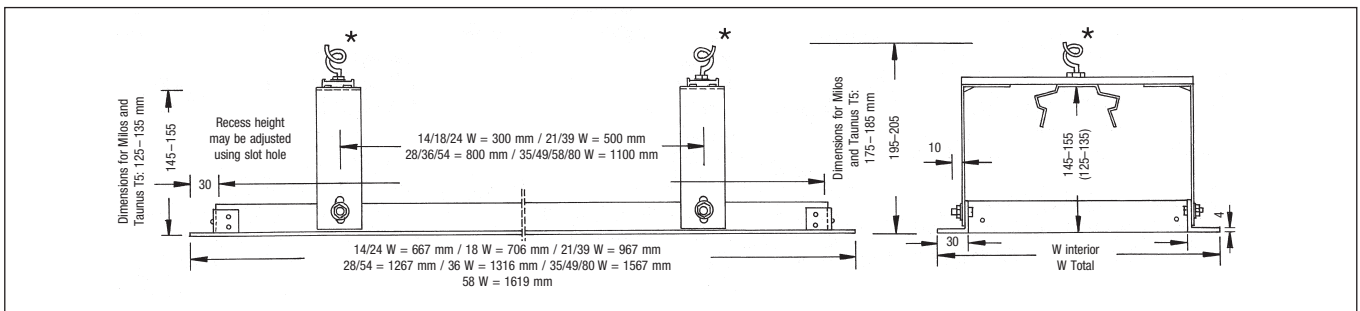
RDE line for closed ceilings

Stable metal recess frame for easy installation of Protection Class II luminaires. For Meißner, Riederwald, Taunus, Allgäu, Spessart, Feldberg and Odenwald ceiling recessed luminaires. The visible parts of the RDE are in natural aluminium. RAL colour finish at extra cost.

Please use the Taunus luminaire mounting frame for Allgäu, Spessart, Feldberg and Delta luminaires!



Closed recessed installation frame for e. g. plaster or wooden ceilings



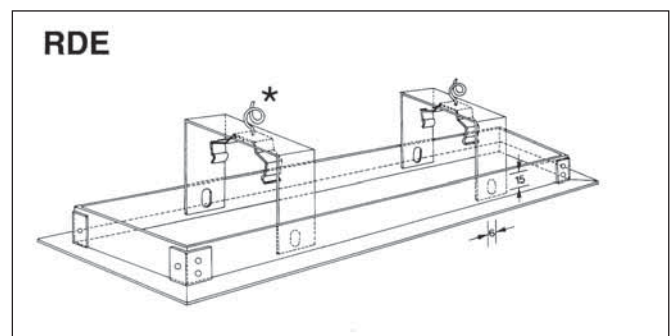
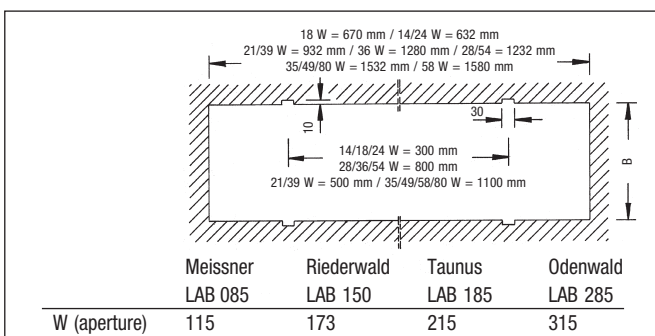
Note: The Taunus frame is also used in connection with the Allgäu, Spessart, Feldberg and Delta luminaires

Type	Watt	Meissner LAB 085 Art.-No.	Riederwald LAB 150 Art.-No.	Taunus LAB 185 Art.-No.	Odenwald LAB 285 Art.-No.
RDE .../1	18 W	619 001	619 211	619 021	619 052
RDE .../3	36 W	619 003	619 213	619 023	619 054
RDE .../5	58 W	619 005	619 215	619 025	619 056
RDE .../21	14/24 W			619 027	
RDE .../23	21/39 W			619 028	
RDE .../25	28/54 W			619 029	
RDE .../27/29	35/49/80 W			619 030	
Total interior width (mm)		93	151	193	293
Total width (mm)		153	211	253	353

Note: All dimensions are stated in mm±2.

***Note:** Safety suspension from raw ceiling needs to be provided from the side of the building owner.

Type	Watt	Milos LAB 185 Art.-No.	Milos LAB 285 Art.-No.	Tirol LAB 185 Art.-No.
RDE .../1	18 W	619 022	619 053	619 222
RDE .../3	36 W	619 024	619 055	619 224
RDE .../5	58 W	619 026	619 057	619 226
Total interior width (mm)		193	293	193
Total width (mm)		253	353	253



Cut-out in closed ceiling for flush mounting.

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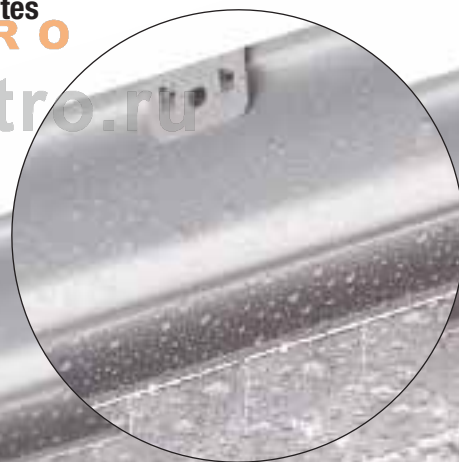
- Easy maintenance, easily accessible push-fit lampholders with captive push-fit lampholders and lamp covers
- Push-fit lampholders for T8/26 mm FL-lamps with silver-plated contacts

- Easy lamp replacement due to lamp insertion aid for T5/16 mm lamps
- Push-fit lampholders for T5/16 mm FL-lamps



- MODUL**
- Variable mounting points using the Pracht Clip System and pre-formed mounting plates
- ELECTRO**

www.modulelectro.ru



Product Advantages Bernina



- Convex variant, lentiform face side version with interior prisms, wide beam



- Typical Pracht appearance through stepped lamp cover

80
Extremely low overall height



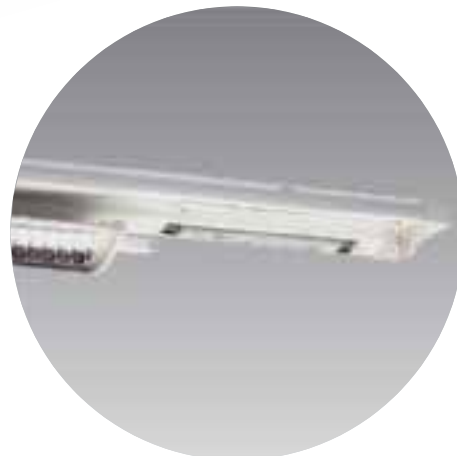
90
Extremely low overall height

- Flat version, clear, narrow beam

MODULO
ELECTRO

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- Easy maintenance of electronic ballasts with concealed XXL-cover L = 360 mm





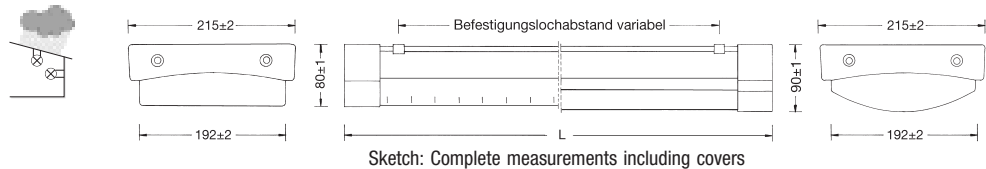
Bernina luminaire system T5/T8

for FL T5/16 mm or T8/26 mm, single-lamp
 for recessed, semi-recessed mounting or installation in panelled or curved ceilings

Housing: Polyester, white, fiberglass-reinf., essentially fully resistant to acids and alkalis.
Socket end pieces: One-piece push-fit lampholder end pieces made of PBT.
Socket: Two-slot plug-in socket with silver-plated contacts.
Lamp cover: Acrylic glass (PMMA), polycarbonate (PC, impact-resistant). (see covers!) **Only operate luminaire with a fitted lamp cover!**
Seals: Short, age-resistant silicone seals.
Electrical components: Low loss ballast B1 starter; electronic ballast; through-wiring max. 7 x 2.5 mm².
Installation: Variable mounting points using the Pracht Clip System made of stainless steel. Suited for ceiling and recessed mounting, pendant or horizontal wall mounting.



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Inductive	Compensated	Electronic ballast	L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.		
Luminaire housing for single mounting, for T8-lamp, without cover, with connection compartment, for through-wiring (see below) (available only with flat or convex lamp cover, please complete with accessories!)						
PFA 2000/1	1 x 18	661 8-0	661 8-1	661 8-3	664±2	4.4
PFA 2000/3	1 x 36	663 6-0	663 6-1	663 6-3	1274±2	6.0
PFA 2000/5	1 x 58	665 8-0	665 8-1	665 8-3	1574±2	7.2
Luminaire housing for single installation, for T5-lamp, without cover, with connection compartment, for through-wiring (see below) (available only with flat or convex lamp cover, please complete with accessories!)						
PFA 2000/..	1 x 14 HE	661 4-3	1 x 24 HO	662 4-3	623±2	3.9
PFA 2000/..	1 x 21 HE	662 1-3	1 x 39 HO	663 9-3	923±2	5.2
PFA 2000/..	1 x 28 HE	662 8-3	1 x 54 HO	665 4-3	1223±2	5.9
PFA 2000/..	1 x 35 HE	663 5-3	1 x 49 HO	664 9-3	1523±2	6.9
PFA 2000/..			1 x 80 HO	668 0-3	1523±2	6.9
Note: All luminaire housings for the Bernina luminaire system may be delivered with the following through-wiring options:						
Please complete the Art.-No. at the 5th digit „-“:		Digit	Extra cost			
Without through-wiring		0				
Through-wiring 2 x 1.5 mm ²		1				
Through-wiring 2 x 2.5 mm ²		2				
Through-wiring 3 x 1.5 mm ²		3				
Through-wiring 3 x 2.5 mm ²		4				
Through-wiring 4 x 1.5 mm ²		5				
Through-wiring 4 x 2.5 mm ²		6				
Through-wiring 5 x 1.5 mm ²		7				
Through-wiring 5 x 2.5 mm ²		8				
Through-wiring 4 x 1.5 mm ² + 2 x 1.5 mm ²		9				
El.bal. Dim 1-10V (add extra cost to el. bal. version)	T5 + T8	685 004				
El.bal. Dim Dali (add extra cost to el. bal. version)	T5 + T8	685 005				
El.bal. Industry (add extra cost to el. bal. version)	T5 + T8			685 006		

Areas of application: Transportation, airports, underpasses, low-ceilinged rooms, decoration of reception and access areas, panelled ceilings Modul 100, car park entrance driveways, canopies, railway platforms, tubular lighting systems (upon request).



Bernina T5 with flat lamp cover interior white cross blade louver (CBL).



Details on how to install the lamp cover are supplied with lamp. **Retaining strap:** Aids first-time installation and when changing lamps, not suited for continuous duty!

Replacement and accessory parts for the Bernina luminaire T5/T8

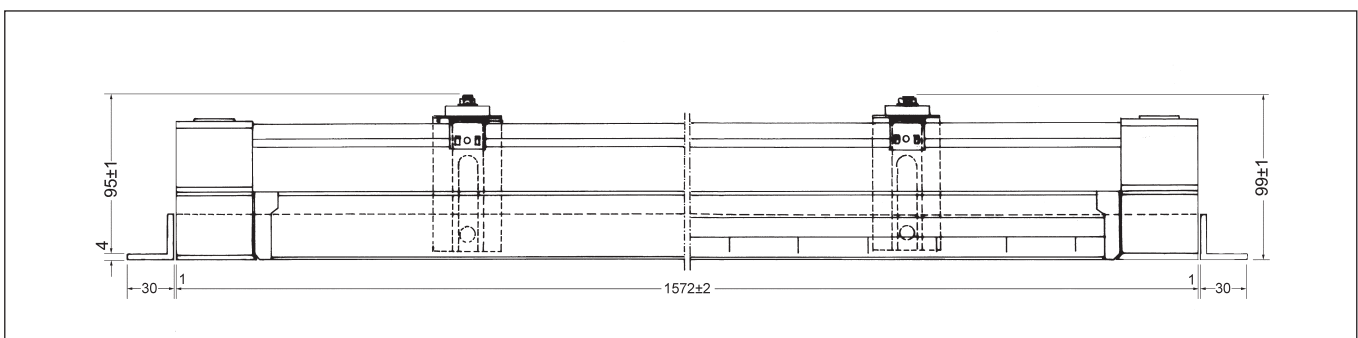
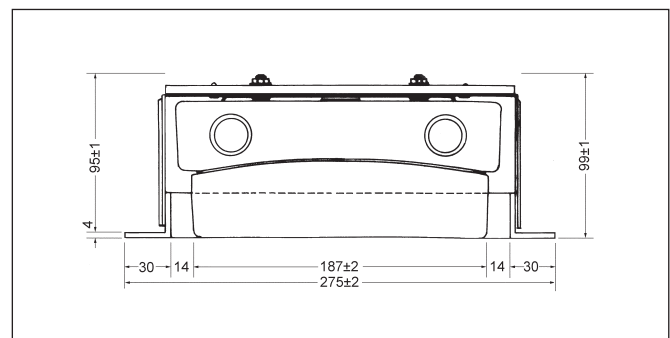
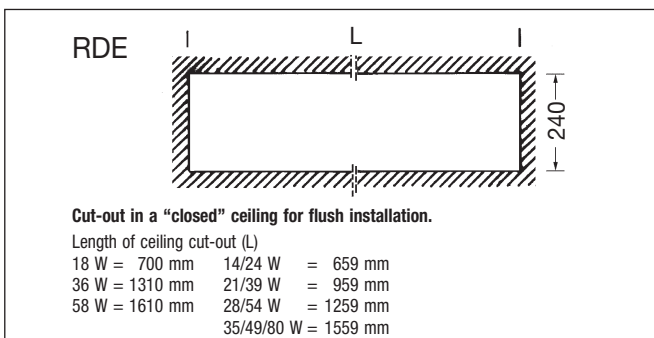
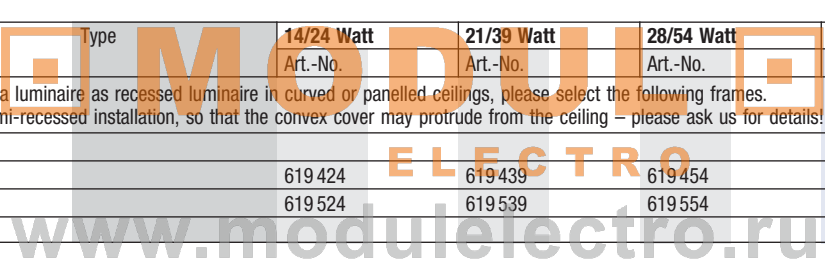
for FL T5/16 mm and FL T8/26 mm



Designation	Art.-No.
Replacement lampholders	
Replacement push-fit lampholder, convex, with screws	6971 100
Replacement push-fit lampholder, flat, with screws	6971 101
Replacement seal for push-fit lampholder, silicone	6971 102
Replacement mounting clips, stainless steel	6971 103

Designation	Type	18 Watt	36 Watt	58 Watt
		Art.-No.	Art.-No.	Art.-No.
Accessories				
Deos safety starter	15–30 W	690 063		
Deos safety starter	30–65 W	690 062	690 062	
Electronic safety starter	S2E / 4–20 W	692 031		
Electronic safety starter	S10E / 30–65 W	691 030	691 030	
Note: When installing the Bernina luminaire as recessed luminaire in curved or panelled ceilings, please select the following frames. Please choose these also for semi-recessed installation, so that the convex cover may protrude from the ceiling – please ask us for details!				
RDE		619 418	619 436	619 458
DKR		619 518	619 536	619 558

Designation	Type	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
		Art.-No.	Art.-No.	Art.-No.	Art.-No.
Note: When installing the Bernina luminaire as recessed luminaire in curved or panelled ceilings, please select the following frames. Please choose these also for semi-recessed installation, so that the convex cover may protrude from the ceiling – please ask us for details!					
RDE		619 424	619 439	619 454	619 480
DKR		619 524	619 539	619 554	619 580





Bernina lamp covers T8

for FL T8/26 mm, convex with interior specular reflector



Caution: Lamp cover only!
 Use the separate Art.-No. on page 176 to order the basic luminaire body!

Ulmost energy efficiency owing to modern **pralux**® engineering!

Retaining strap: Aids first-time installation and when changing lamps, not suited for continuous duty!

Designation	Type	18 Watt	36 Watt	58 Watt	
		Art.-No.	Art.-No.	Art.-No.	
Cover convex, wide beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs					
Acrylic glass, clear	BABG-PLEX	6691 801	6693 601	6695 801	pralux®
Acrylic glass, clear, interior prisms	BABG-PLEX-PRIS	6691 811	6693 611	6695 811	pralux®
Polycarbonate, clear	BABG-MAK	6691 821	6693 621	6695 821	pralux®
Polycarbonate, clear, interior prisms	BABG-MAK-PRIS	6691 831	6693 631	6695 831	pralux®
Cover convex, wide beam, with interior cross-blade louver, white, upon request, with stainless steel centering and retaining springs					
Acrylic glass, clear, CBL	BABG-PLEX-QLR	6691 804	6693 604	6695 804	pralux®
Acrylic glass, clear, interior prisms, CBL	BABG-PLEX-PRIS-QLR	6691 814	6693 614	6695 814	pralux®
Polycarbonate, clear, CBL	BABG-MAK-QLR	6691 824	6693 624	6695 824	pralux®
Polycarbonate, clear, interior prisms, CBL	BABG-MAK-PRIS-QLR	6691 834	6693 634	6695 834	pralux®
Cover convex, wide beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs					
Acrylic glass, clear, DLL	BABG-PLEX-DLR	6691 807	6693 607	6695 807	pralux®
Acrylic glass, clear, interior prisms, DLL	BABG-PLEX-PRIS-DLR	6691 817	6693 617	6695 817	pralux®
Polycarbonate, clear, DLL	BABG-MAK-DLR	6691 827	6693 627	6695 827	pralux®
Polycarbonate, clear, interior prisms, DLL	BABG-MAK-PRIS-DLR	6691 837	6693 637	6695 837	pralux®
Cover convex, narrow beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs					
Acrylic glass, clear	BATG-PLEX	6691 802	6693 602	6695 802	pralux®
Acrylic glass, clear, interior prisms	BATG-PLEX-PRIS	6691 812	6693 612	6695 812	pralux®
Polycarbonate, clear	BATG-MAK	6691 822	6693 622	6695 822	pralux®
Polycarbonate, clear, interior prisms	BATG-MAK-PRIS	6691 832	6693 632	6695 832	pralux®
Cover convex, narrow beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs					
Acrylic glass, clear, DLL	BATG-PLEX-DLR	6691 808	6693 608	6695 808	pralux®
Acrylic glass, clear, interior prisms, DLL	BATG-PLEX-PRIS-DLR	6691 818	6693 618	6695 818	pralux®
Polycarbonate, clear, DLL	BATG-MAK-DLR	6691 828	6693 628	6695 828	pralux®
Polycarbonate, clear, interior prisms, DLL	BATG-MAK-PRIS-DLR	6691 838	6693 638	6695 838	pralux®
Cover convex, asymmetric beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs					
Acrylic glass, clear	BASG-PLEX	6691 803	6693 603	6695 803	pralux®
Acrylic glass, clear, interior prisms	BASG-PLEX-PRIS	6691 813	6693 613	6695 813	pralux®
Polycarbonate, clear	BASG-MAK	6691 823	6693 623	6695 823	pralux®
Polycarbonate, clear, interior prisms	BASG-MAK-PRIS	6691 833	6693 633	6695 833	pralux®
Cover convex, asymmetric beam, interior cross-blade louver, white, upon request, with stainless steel centering and retaining springs					
Acrylic glass, clear, CBL	BASG-PLEX-QLR	6691 806	6693 606	6695 806	pralux®
Acrylic glass, clear, interior prisms, CBL	BASG-PLEX-PRIS-QLR	6691 816	6693 616	6695 816	pralux®
Polycarbonate, clear, CBL	BASG-MAK-QLR	6691 826	6693 626	6695 826	pralux®
Polycarbonate, clear, interior prisms, CBL	BASG-MAK-PRIS-QLR	6691 836	6693 636	6695 836	pralux®
Cover convex, asymmetric beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs					
Acrylic glass, clear, DLL	BASG-PLEX-DLR	6691 809	6693 609	6695 809	pralux®
Acrylic glass, clear, interior prisms, DLL	BASG-PLEX-PRIS-DLR	6691 819	6693 619	6695 819	pralux®
Polycarbonate, clear, DLL	BASG-MAK-DLR	6691 829	6693 629	6695 829	pralux®
Polycarbonate, clear, interior prisms, DLL	BASG-MAK-PRIS-DLR	6691 839	6693 639	6695 839	pralux®
Sample order:					
Bernina 1x58 W, electronic ballast, through-wiring 4 x 1.5 mm ² , convex cover T8, interior prisms made of acrylic glass:					
Art.-No.: 665 853 + 6695 811					

Bernina lamp covers T5

for FL T5/16 mm, convex with interior specular reflector, single-lamp, with lamp insertion aid

Note the burn-in recommendations issued by the lamp manufacturer!

Total height
90 mm

Caution: Lamp cover only!
Use the separate Art.-No. on page 176 to order the basic luminaire body!



Utmost energy efficiency owing to modern **pralux**® engineering!

Retaining strap: Aids first-time installation and when changing lamps, not suited for continuous duty!

Designation	Type	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt	
		Art.-No.	Art.-No.	Art.-No.	Art.-No.	
Cover convex, wide beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs						
Acrylic glass, clear	BABG-PMMA	6692 401	6693 901	6695 401	6698 001	pralux®
Acrylic glass, clear, interior ribbing	BABG-PMMA-PRIS	6692 411	6693 911	6695 411	6698 011	pralux®
Polycarbonate, clear	BABG-MAK	6692 421	6693 921	6695 421	6698 021	pralux®
Polycarbonate, clear, interior ribbing	BABG-MAK-PRIS	6692 431	6693 931	6695 431	6698 031	pralux®
Cover convex, wide beam, interior cross-blade louver, white, upon request, with stainless steel centering and retaining springs						
Acrylic glass, clear, CBL	BABG-PMMA-QLR	6692 404	6693 904	6695 404	6698004	pralux®
Acrylic glass, clear, interior ribbing, CBL	BABG-PMMA-PRIS-QLR	6692 414	6693 914	6695 414	6698 014	pralux®
Polycarbonate, clear, CBL	BABG-MAK-QLR	6692 424	6693 924	6695 424	6698 024	pralux®
Polycarbonate, clear, interior ribbing, CBL	BABG-MAK-PRIS-QLR	6692 434	6693 934	6695 434	6698 034	pralux®
Cover convex, wide beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, DLL	BABG-PMMA-DLR	6692 407	6693 907	6695407	6698 007	pralux®
Acrylic glass, clear, interior ribbing, DLL	BABG-PMMA-PRIS-DLR	6692 417	6693 917	6695417	6698 017	pralux®
Polycarbonate, clear, DLL	BABG-MAK-DLR	6692 427	6693 927	6695427	6698 027	pralux®
Polycarbonate, clear, interior ribbing, DLL	BABG-MAK-PRIS-DLR	6692 437	6693 937	6695437	6698 037	pralux®
Cover convex, narrow beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs						
Acrylic glass, clear	BATG-PMMA	6692 402	6693 902	6695 402	6698 002	pralux®
Acrylic glass, clear, interior ribbing	BATG-PMMA-PRIS	6692 412	6693 912	6695 412	6698 012	pralux®
Polycarbonate, clear	BATG-MAK	6692 422	6693 922	6695 422	6698 022	pralux®
Polycarbonate, clear, interior ribbing	BATG-MAK-PRIS	6692 432	6693 932	6695 432	6698 032	pralux®
Cover convex, narrow beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, DLL	BATG-PMMA-DLR	6692 408	6693 908	6695 408	6698 008	pralux®
Acrylic glass, clear, interior ribbing, DLL	BATG-PMMA-PRIS-DLR	6692 418	6693 918	6695 418	6698 018	pralux®
Polycarbonate, clear, DLL	BATG-MAK-DLR	6692 428	6693 928	6695 428	6698 028	pralux®
Polycarbonate, clear, interior ribbing, DLL	BATG-MAK-PRIS-DLR	6692 438	6693 938	6695 438	6698 038	pralux®
Cover convex, asymmetric beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs						
Acrylic glass, clear	BASG-PMMA	6692 403	6693 903	6695 403	6698 003	pralux®
Acrylic glass, clear, interior ribbing	BASG-PMMA-PRIS	6692 413	6693 913	6695 413	6698 013	pralux®
Polycarbonate, clear	BASG-MAK	6692 423	6693 923	6695 423	6698 023	pralux®
Polycarbonate, clear, interior ribbing	BASG-MAK-PRIS	6692 433	6693 933	6695 433	6698 033	pralux®
Cover convex, asymmetric beam, with interior cross-blade louver, white, upon request, with stainless steel centering and retaining springs						
Acrylic glass, clear, CBL	BASG-PMMA-QLR	6692 406	6693 906	6695 406	6698 006	pralux®
Acrylic glass, clear, interior ribbing, CBL	BASG-PMMA-PRIS-QLR	6692 416	6693 916	6695 416	6698 016	pralux®
Polycarbonate, clear, CBL	BASG-MAK-QLR	6692 426	6693 926	6695 426	6698 026	pralux®
Polycarbonate, clear, interior ribbing, CBL	BASG-MAK-PRIS-QLR	6692 436	6693 936	6695 436	6698 036	pralux®
Cover convex, asymmetric beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, DLL	BASG-PMMA-DLR	6692 409	6693 909	6695 409	6698 009	pralux®
Acrylic glass, clear, interior ribbing, DLL	BASG-PMMA-PRIS-DLR	6692 419	6693 919	6695 419	6698 019	pralux®
Polycarbonate, clear, DLL	BASG-MAK-DLR	6692 429	6693 929	6695 429	6698 029	pralux®
Polycarbonate, clear, interior ribbing, DLL	BASG-MAK-PRIS-DLR	6692 439	6693 939	6695 439	6698 039	pralux®
Sample order:						
Bernina 1 x 80 W, electronic ballast, through-wiring 4 x 1.5 mm ² , cover convex T5, interior prisms made of acrylic glass:						
Art.-No.: 665 853 + 6698 011						

01 Batten luminaires with reflectors
 02 Tubular luminaires
 03 Basic Line
 04 LED
 05 Vandalism
 06 Special luminaires
 07 Industrial luminaires
 08 Surface and recessed luminaires



Bernina lamp covers T8

for FL T8/26 mm, flat with interior specular reflector

Total height
80 mm

Caution: Lamp cover only!
Use the separate Art.-No.
on page 176 to order the
basic luminaire body!

Utmost energy efficiency owing to
modern **pralux**® engineering!

Retaining strap: Aids first-time installation and when changing lamps, not suited for continuous duty!

Designation	Type	18 Watt	36 Watt	58 Watt	
		Art.-No.	Art.-No.	Art.-No.	
Cover flat, wide beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs					
Acrylic glass, clear	BABF-PLEX	6681 801	6683 601	6685 801	pralux®
Acrylic glass, clear, interior prisms	BABF-PLEX-PRIS	6681 811	6683 611	6685 811	pralux®
Polycarbonate, clear	BABF-MAK	6681 821	6683 621	6685 821	pralux®
Polycarbonate, clear, interior prisms	BABF-MAK-PRIS	6681 831	6683 631	6685 831	pralux®
Cover flat, wide beam, with interior cross-blade louver, white, with stainless steel centering and retaining springs					
Acrylic glass, clear, CBL	BABF-PLEX-QLR	6681 804	6683 604	6685 804	pralux®
Acrylic glass, clear, interior prisms, CBL	BABF-PLEX-PRIS-QLR	6681 814	6683 614	6685 814	pralux®
Polycarbonate, clear, CBL	BABF-MAK-QLR	6681 824	6683 624	6685 824	pralux®
Polycarbonate, clear, interior prisms, CBL	BABF-MAK-PRIS-QLR	6681 834	6683 634	6685 834	pralux®
Cover flat, wide beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs					
Acrylic glass, clear, DLL	BABF-PLEX-DLR	6681 807	6683 607	6685 807	pralux®
Acrylic glass, clear, interior prisms, DLL	BABF-PLEX-PRIS-DLR	6681 817	6683 617	6685 817	pralux®
Polycarbonate, clear, DLL	BABF-MAK-DLR	6681 827	6683 627	6685 827	pralux®
Polycarbonate, clear, interior prisms, DLL	BABF-MAK-PRIS-DLR	6681 837	6683 637	6685 837	pralux®
Cover flat, narrow beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs					
Acrylic glass, clear	BATF-PLEX	6681 802	6683 602	6685 802	pralux®
Acrylic glass, clear, interior prisms	BATF-PLEX-PRIS	6681 812	6683 612	6685 812	pralux®
Polycarbonate, clear	BATF-MAK	6681 822	6683 622	6685 822	pralux®
Polycarbonate, clear, interior prisms	BATF-MAK-PRIS	6681 832	6683 632	6685 832	pralux®
Cover flat, narrow beam, with interior cross-blade louver, white, with stainless steel centering and retaining springs					
Acrylic glass, clear, CBL	BATF-PLEX-QLR	6681 805	6683 605	6685 805	pralux®
Acrylic glass, clear, interior prisms, CBL	BATF-PLEX-PRIS-QLR	6681 815	6683 615	6685 815	pralux®
Polycarbonate, clear, CBL	BATF-MAK-QLR	6681 825	6683 625	6685 825	pralux®
Polycarbonate, clear, interior prisms, CBL	BATF-MAK-PRIS-QLR	6681 835	6683 635	6685 835	pralux®
Cover flat, narrow beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs					
Acrylic glass, clear, DLL	BATF-PLEX-DLR	6681 808	6683 608	6685 808	pralux®
Acrylic glass, clear, interior prisms, DLL	BATF-PLEX-PRIS-DLR	6681 818	6683 618	6685 818	pralux®
Polycarbonate, clear, DLL	BATF-MAK-DLR	6681 828	6683 628	6685 828	pralux®
Polycarbonate, clear, interior prisms, DLL	BATF-MAK-PRIS-DLR	6681 838	6683 638	6685 838	pralux®
Cover flat, asymmetric beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs					
Acrylic glass, clear	BASF-PLEX	6681 803	6683 603	6685 803	pralux®
Acrylic glass, clear, interior prisms	BASF-PLEX-PRIS	6681 813	6683 613	6685 813	pralux®
Polycarbonate, clear	BASF-MAK	6681 823	6683 623	6685 823	pralux®
Polycarbonate, clear, interior prisms	BASF-MAK-PRIS	6681 833	6683 633	6685 833	pralux®
Cover flat, asymmetric beam, with interior cross-blade louver, white, with stainless steel centering and retaining springs					
Acrylic glass, clear, CBL	BASF-PLEX-QLR	6681 806	6683 606	6685 806	pralux®
Acrylic glass, clear, interior prisms, CBL	BASF-PLEX-PRIS-QLR	6681 816	6683 616	6685 816	pralux®
Polycarbonate, clear, CBL	BASF-MAK-QLR	6681 826	6683 626	6685 826	pralux®
Polycarbonate, clear, interior prisms, CBL	BASF-MAK-PRIS-QLR	6681 836	6683 636	6685 836	pralux®
Cover flat, asymmetric beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs					
Acrylic glass, clear, DLL	BASF-PLEX-DLR	6681 809	6683 609	6685 809	pralux®
Acrylic glass, clear, interior prisms, DLL	BASF-PLEX-PRIS-DLR	6681 819	6683 619	6685 819	pralux®
Polycarbonate, clear, DLL	BASF-MAK-DLR	6681 829	6683 629	6685 829	pralux®
Polycarbonate, clear, interior prisms, DLL	BASF-MAK-PRIS-DLR	6681 839	6683 639	6685 839	pralux®
Sample order:					
Bernina 1x58 W, electronic ballast, through-wiring 4 x 1.5 mm ² , cover flat T8, interior prisms made of acrylic glass:					
Art.-No.: 665 853 + 6685 811					

Bernina lamp covers T5

for FL T5/16 mm, flat with interior specular reflector, single-lamp, with lamp insertion aid

Note the burn-in recommendations issued by the lamp manufacturer!

Total height
80 mm

Caution: Lamp cover only!
Use the separate Art.-No.
on page 176 to order the
basic luminaire body!



Utmost energy efficiency owing to modern **pralux**® engineering!

Retaining strap: Aids first-time installation and when changing lamps, not suited for continuous duty!

Designation	Type	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt	
		Art.-No.	Art.-No.	Art.-No.	Art.-No.	
Cover flat, wide beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs						
Acrylic glass, clear	BABF-PLEX	6682 401	6683 901	6685 401	6688 001	pralux®
Acrylic glass, clear, interior prisms	BABF-PLEX-PRIS	6682 411	6683 911	6685 411	6688 011	pralux®
Polycarbonate, clear	BABF-MAK	6682 421	6683 921	6685 421	6688 021	pralux®
Polycarbonate, clear, interior prisms	BABF-MAK-PRIS	6682 431	6683 931	6685 431	6688 031	pralux®
Cover flat, wide beam, with interior cross-blade louver, white, with stainless steel centering and retaining springs						
Acrylic glass, clear, CBL	BABF-PLEX-QLR	6682 404	6683 904	6685 404	6688 004	pralux®
Acrylic glass, clear, interior prisms, CBL	BABF-PLEX-PRIS-QLR	6682 414	6683 914	6685 414	6688 014	pralux®
Polycarbonate, clear, CBL	BABF-MAK-QLR	6682 424	6683 924	6685 424	6688 024	pralux®
Polycarbonate, clear, interior prisms, CBL	BABF-MAK-PRIS-QLR	6682 434	6683 934	6685 434	6688 034	pralux®
Cover flat, wide beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, DLL	BABF-PMMA-DLR	6682 407	6683 907	6685 407	6688 007	pralux®
Acrylic glass, clear, interior prisms, DLL	BABF-PMMA-PRIS-DLR	6682 417	6683 917	6685 417	6688 017	pralux®
Polycarbonate, clear, DLL	BABF-MAK-DLR	6682 427	6683 927	6685 427	6688 027	pralux®
Polycarbonate, clear, interior prisms, DLL	BABF-MAK-PRIS-DLR	6682 437	6683 937	6685 437	6688 037	pralux®
Cover flat, narrow beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs						
Acrylic glass, clear	BATF-PLEX	6682 402	6683 902	6685 402	6688 002	pralux®
Acrylic glass, clear, interior prisms	BATF-PLEX-PRIS	6682 412	6683 912	6685 412	6688 012	pralux®
Polycarbonate, clear	BATF-MAK	6682 422	6683 922	6685 422	6688 022	pralux®
Polycarbonate, clear, interior prisms	BATF-MAK-PRIS	6682 432	6683 932	6685 432	6688 032	pralux®
Cover flat, narrow beam, with interior cross-blade louver, white, with stainless steel centering and retaining springs						
Acrylic glass, clear, CBL	BATF-PLEX-QLR	6682 405	6683 905	6685 405	6688 005	pralux®
Acrylic glass, clear, interior prisms, CBL	BATF-PLEX-PRIS-QLR	6682 415	6683 915	6685 415	6688 015	pralux®
Polycarbonate, clear, CBL	BATF-MAK-QLR	6682 425	6683 925	6685 425	6688 025	pralux®
Polycarbonate, clear, interior prisms, CBL	BATF-MAK-PRIS-QLR	6682 435	6683 935	6685 435	6688 035	pralux®
Cover flat, narrow beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, DLL	BATF-PMMA-DLR	6682 408	6683 908	6685 408	6688 008	pralux®
Acrylic glass, clear, interior prisms, DLL	BATF-PMMA-PRIS-DLR	6682 418	6683 918	6685 418	6688 018	pralux®
Polycarbonate, clear, DLL	BATF-MAK-DLR	6682 428	6683 928	6685 428	6688 028	pralux®
Polycarbonate, clear, interior prisms, DLL	BATF-MAK-PRIS-DLR	6682 438	6683 938	6685 438	6688 038	pralux®
Cover flat, asymmetric beam, clear, with interior prisms (PRIS), with stainless steel centering and retaining springs						
Acrylic glass, clear	BASF-PLEX	6682 403	6683 903	6685 403	6688 003	pralux®
Acrylic glass, clear, interior prisms	BASF-PLEX-PRIS	6682 413	6683 913	6685 413	6688 013	pralux®
Polycarbonate, clear	BASF-MAK	6682 423	6683 923	6685 423	6688 023	pralux®
Polycarbonate, clear, interior prisms	BASF-MAK-PRIS	6682 433	6683 933	6685 433	6688 033	pralux®
Cover flat, asymmetric beam, with interior cross-blade louver, white, with stainless steel centering and retaining springs						
Acrylic glass, clear, CBL	BASF-PLEX-QLR	6682 406	6683 906	6685 406	6688 006	pralux®
Acrylic glass, clear, interior prisms, CBL	BASF-PLEX-PRIS-QLR	6682 416	6683 916	6685 416	6688 016	pralux®
Polycarbonate, clear, CBL	BASF-MAK-QLR	6682 426	6683 926	6685 426	6688 026	pralux®
Polycarbonate, clear, interior prisms, CBL	BASF-MAK-PRIS-QLR	6682 436	6683 936	6685 436	6688 036	pralux®
Cover flat, asymmetric beam, with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, DLL	BASF-PMMA-DLR	6682 409	6683 909	6685 409	6688 009	pralux®
Acrylic glass, clear, interior prisms, DLL	BASF-PMMA-PRIS-DLR	6682 419	6683 919	6685 419	6688 019	pralux®
Polycarbonate, clear, DLL	BASF-MAK-DLR	6682 429	6683 929	6685 429	6688 029	pralux®
Polycarbonate, clear, interior prisms, DLL	BASF-MAK-PRIS-DLR	6682 439	6683 939	6685 439	6688 039	pralux®
Sample order:						
Bernina 1 x 80 W, electronic ballast, through-wiring 4 x 1.5 mm ² , cover flat T5, interior prisms made of acrylic glass:						
Art.-No.: 665 853 + 6688 011						

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Luminaire Lugano

for compact fluorescent lamps

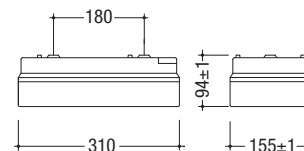
Housing: Polycarbonate, white.
Lamp cover: Polycarbonate, clear interior ribbing or opal with or without specular reflector.
Seals: Silicone seals.
Electrical components: Ballast, electronic ballast.
Installation: Via mounting holes in the housing. Suited as a surface-mounted or recessed luminaire.



Listed with the Deutsche Bahn AG



Protection class II acc. to VDE 0711/EN 60598
 Ingress protection IP65
 Dust-proof
 Jet-proof
 230V/50 Hz



Type (VDE designation)	Watt	Socket	Low loss ballast	Electronic ballast		L (mm)	Weight (kg)
				Art.-No.			
Surface mounted luminaire Lugano with clear, impact-resistant cover, PC, interior ribbing, for compact fluorescent lamps, cover can be swung down on a hinge							
PKA 321/03	1 x 11 TC-EL	2 G 7	Electronic ballast	372 053		310±2	1.8
PKA 321/04	2 x 11 TC-EL	2 G 7	Electronic ballast	372 083		310±2	1.9
PKA 321/05 E	1 x 18 TC-L	2 G 11	Electronic ballast	372 103		310±2	2.0
PKA 321/06 E	2 x 18 TC-L	2 G 11	Electronic ballast	372 133		310±2	2.1
Further models: upon request							
Recessed luminaire Lugano with clear, impact-resistant cover, PC, interior ribbing, for compact fluorescent lamps, cover removable using two screws							
PKE 311/05	1 x 18 TC-L	2 G 11	Electronic ballast	370 103		310±2	2.1
PKE 311/06	2 x 18 TC-L	2 G 11	Electronic ballast	370 133		310±2	2.9
Order supplement:							
Opal white cover, PC, impact-resistant, for inscriptions				601 104			
Replacement cover, PC, clear, interior prisms, WAN-PKE-KLAR with hinge				601 201			
Replacement cover, PC, opal, WAN-PKE-OPAL with hinge				601 202			
Replacement cover, PC, clear, interior prisms, WAN-PKE-KLAR without hinge				601 101			
Replacement cover, PC, opal, WAN-PKE-OPAL without hinge				601 102			
Stainless steel wall bracket				601 103			
With second cable entry				692 153			
Ceiling recess frames							
RDE 311/05 for closed ceilings				619 073			
DKR 311/05 for panelled ceilings				619 173			
Silicone-free construction				685 009			
Note: Inscriptions upon request!							

Areas of application: Furnaces and cellar rooms, tunnel illumination, emergency exit lighting, washrooms, auxiliary rooms, mine shafts, staircases.



Lugano luminaires are extremely easy to maintain; captive components.

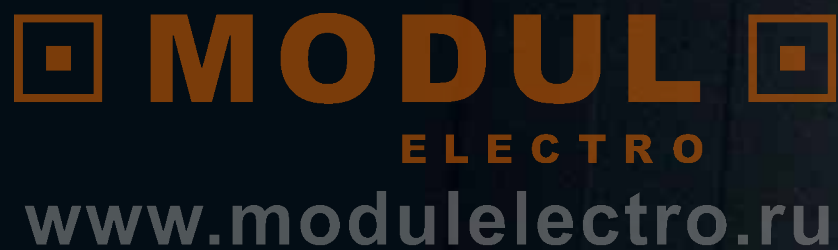


Lugano luminaires as recessed luminaires with ceiling recess frame.



Version with stainless steel wall bracket.

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Emergency lighting and emergency exit lighting

Your advantages

- Exceptionally robust and stable
- Dust-proof
- Jet-proof

Areas of application

- Wherever a power failure can lead to accidents and injury
- Emergency and safety lighting



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Luminaire Ascona for emergency signs and security signs

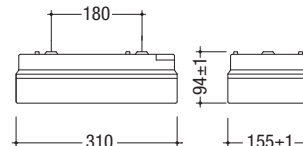
Available for the single battery system or for use with group and central battery systems according to DIN VDE 0108 and EN 60 598, part 2-22, consisting of:

- Maintenance-free, sealed NiCd battery, charging, switching and function monitoring device, electronic ballast (optional self and remote monitoring devices available upon request).
- Electronic ballast for alternating current/ direct current operation.

Housing: Made of synthetic material (PC, impact-resistant), white.
Cover: Made of synthetic material (PC, impact-resistant), opal or clear.
Installation: Ceiling, wall or pendant installation.



Ingress protection: IP 65
 Protection class: II
 Dust-proof
 Jet-proof



Single battery luminaires				
Power supply: 230 V / 0.025 A, 50 Hz (BS); 230 V / 0.165 A, 50 Hz (DS) / Ambient temperature: -5 °C to +40 °C (stb.); -10 °C to +30 °C (cont.)				
Lamp	OT *(h)	LFR** (%)	NiCD battery	Art.-No.
Emergency sign luminaires including emergency sign foil (when ordering please state the Art.-No.), visible distance 31m				
T-Lp 6 W	1	50	3.6 V / 1.5 Ah	1405 600
T-Lp 6 W	3	60	3.6 V / 4.0 Ah	1405 650
Security luminaires				
T-Lp 6 W	1	50	3.6 V / 1.5 Ah	1410 600
T-Lp 6 W	3	60	3.6 V / 4.0 Ah	1410 650
Luminaires for supply by group or central battery systems				
Power supply: 230 V / 0.06 A, 50 Hz (~); Battery supply: 230 V / 0.025 A (=) / ambient temperature: -5 °C to +40 °C				
Lamp	Ballast	Art.-No.		
Emergency sign luminaires including emergency sign foil (when ordering please state the Art.-No.), visible distance 31m				
T-Lp 6 W	Electronic ballast	1405 610		
Security luminaires				
T-Lp 6 W	Electronic ballast	1410 610		
Replacement parts:				
Replacement cover, opal with hinge				601 202
Replacement cover, clear with hinge				601 201
Replacement battery 3.6V/1.5 Ah				618 700
Replacement battery 3.6V/4.0 Ah				618 750
Emergency sign foil (replacement) – Foil size according to DIN 4844				
	Visible distance 31 m			719 110
	Visible distance 31 m			719 111
	Visible distance 31 m			719 112
Note: This version is available with other symbols upon request.				

Luminaire Rimberg for emergency signs

Available for the single battery system or for use with group and central battery systems according to DIN VDE 0108 and EN 60 598, part 2-22, consisting of:

- Electronic ballast for alternating current/ direct current operation.

Housing: glassfiber-reinforced polyester resin, white, with push-fit lampholders made of impact resistant synthetic material, white.

Cover: PC or PMMA.

Installation: Ceiling, wall or suspended installation.



01 Battery luminaires with reflectors

02 Tubular luminaires

03 Basic Line

04 LED

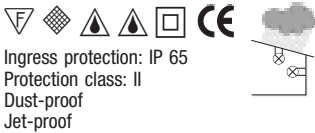
05 Vandalism

06 Special luminaires

07 Industrial luminaires

08 Surface and recessed luminaires

09 Emergency lighting



Luminaires for supply by group or central battery systems		
Lamp	Ballast	Art.-No.
Emergency sign luminaires including emergency sign foil (when ordering please state the Art.-No.), visible distance 12 m		
Cover made of PMMA		
T-Lp 18 W	Electronic ballast	495 103
T-Lp 36 W	Electronic ballast	495 233
T-Lp 58 W	Electronic ballast	495 363
Cover made of PC		
T-Lp 18 W	Electronic ballast	495 113
T-Lp 36 W	Electronic ballast	495 243
T-Lp 58 W	Electronic ballast	495 373

Luminaires for supply by group or central battery systems		
Lamp	Ballast	Art.-No.
Emergency sign luminaires including emergency sign foil (when ordering please state the Art.-No.), visible distance 42 m		
Cover made of PMMA		
T-Lp 18 W	Electronic ballast	496 103
T-Lp 36 W	Electronic ballast	496 233
T-Lp 58 W	Electronic ballast	496 363
Cover made of PC		
T-Lp 18 W	Electronic ballast	496 113
T-Lp 36 W	Electronic ballast	496 243
T-Lp 58 W	Electronic ballast	496 373

Emergency sign foils (replacement) – foil sizes according to DIN 4844	
	Visible distance 12 m Visible distance 42 m
	Visible distance 12 m Visible distance 42 m
	Visible distance 12 m Visible distance 42 m
Note: Version with other symbols upon request.	

Note:
– When ordering emergency signs always state the required visibility distance.
– This version is available in other colors or with other symbols upon request.
– For emergency signs in other sizes, special covers in various heights are available upon request.
– This version is also available as a single battery luminaire upon request.

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Pracht standard luminaires fulfil all emergency lighting requirements through the corresponding components.

All luminaires equipped with LEDs (see pages 88 to 93) are also suited for use as Emergency lighting.





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The background image shows a large industrial facility with a high ceiling. The ceiling is supported by a network of steel beams. Long, continuous lighting trunking systems are mounted across the ceiling, with multiple rows of bright, rectangular light fixtures. The lighting creates a strong, uniform illumination across the space. The overall scene is industrial and functional.

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Lighting trunking systems

Your advantages

- Quick and clean mounting of continuous lighting layouts
- Universal trunking systems made of aluminium and polyester
- Rounded surfaces effectively prevent dust and dirt from gathering on the system.
- Stable and torsion-free
- Suitable for ceiling and pendant mounting
- Suitable for food industry

Areas of application

- Continuous lighting layouts
- Logistics centres
- Production plants

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01 Batten luminaires with reflectors

02 Tubular luminaires

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06 Special luminaires

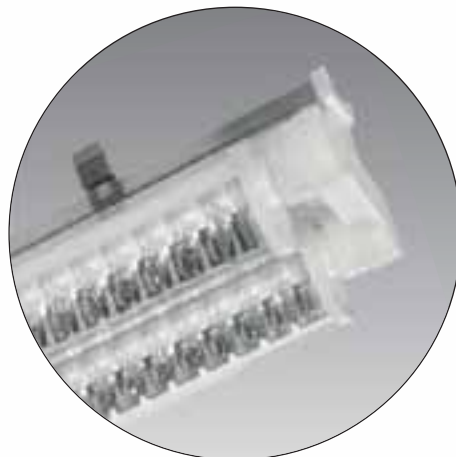
07 Industrial luminaires

08 Surface and recessed luminaires

09 Emergency lighting

10 Lifting tracking systems

- Seamless specular reflectors of pralux® quality for utmost energy efficiency, with louver optional



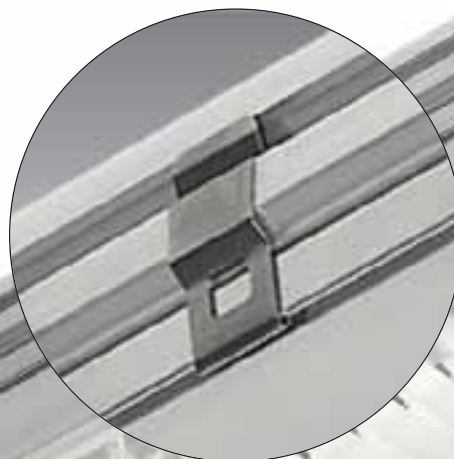
- Through-wiring max. 2x7x2.5 mm², easy mains connection with standard plug-in terminal and IP68 threaded cable gland



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- Stainless steel quick mounting clip



Product advantages Azoren

Flexible lighting trunking system with high performance luminaire inserts, single- and twin-lamp, for illuminants T8/26 mm and T5/16 mm

Utmost energy efficiency owing to modern **pralux**® engineering!



- Mechanical system connector with high-quality silicone seal and stainless steel bolts

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- LED variants see page 93

www.modulelectro.ru

- Pendant suspension, wire, chain etc. variable suspension points



Pracht continuous mounting trunking systems offer many advantages:

- High ingress protection IP64.
- Very quick mounting of luminaires and covers due to the Pracht clip system.
- Seamless specular reflectors, extremely efficient and bright through modern pralux® Engineering – **more light with less energy.**
- Illuminant protected against contamination and drafts through short ring sealing system made of age-resistant silicone.
- Through-wiring up to 2 x 7 x 2.5 mm² max. with plug-in terminals.
- Connection system through quick mounting connectors.
- Variable mounting points depending on luminaire equipment.
- Very simple maintenance for the electrical equipment
- Mounting rail and cable duct in a single system for utmost flexibility.

Utmost energy efficiency owing to modern pralux® engineering!



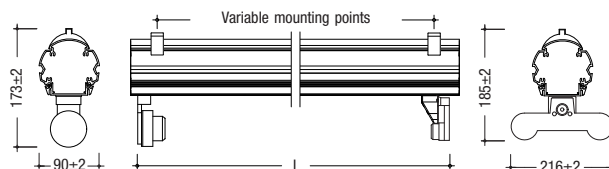
Luminaire insert Azoren SR T8

for FL T8/26 mm,
single- and twin-lamp
with push-fit lampholder,
Protection Class I

Housing: Aluminium profile, natural aluminium.
Socket end pieces: Socket end pieces made of PBT.
Socket: Two-slot plug-in socket.
Lamp cover: Batten luminaire, can be completed with accessories.
Seals: Short, age-resistant seals made of silicone.
Electrical components: Electronic ballast;
 Through-wiring max. 2x7x2.5 mm² within the basic profile Azoren.
Installation: Only in connection with basic profile Azoren through stainless steel clip.



Protection Class I acc. to VDE 0711/EN 60598
 Ingress protection IP64
 Dust-proof
 230V/50 Hz



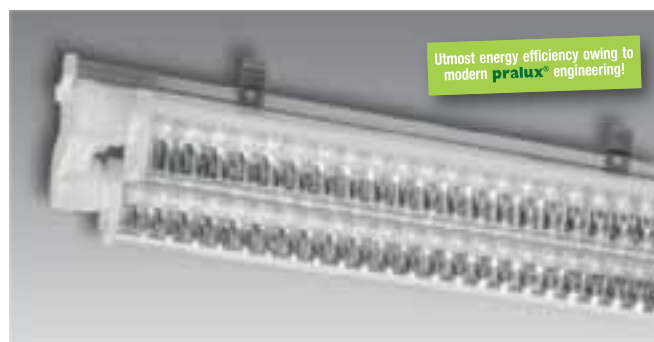
Type (VDE designation)	Watt	El. bal. Multiwatt		El. bal. DIM 1-10 V		L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.		
Luminaire insert Azoren T8/26 mm single-lamp, with threaded ring lampholder, with stainless steel closure clip							
ARS E 14 .../1 . SR	1 x 18	120 013	120 014	120 015		645±2	
ARS E 14 .../3 . SR	1 x 36	120 033	120 034	120 035		1245±2	
ARS E 14 .../5 . SR	1 x 58	120 053	120 054	120 055		1545±2	
Luminaire insert Azoren T8/26 mm twin-lamp, with threaded ring lampholder, with stainless steel closure clip							
ARS E 14 .../2 . SR	2 x 18	120 023	120 024	120 025		645±2	
ARS E 14 .../4 . SR	2 x 36	120 043	120 044	120 045		1245±2	
ARS E 14 .../6 . SR	2 x 58	120 063	120 064	120 065		1545±2	

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Areas of application: Continuous mounting applications, logistics centers and production facilities.



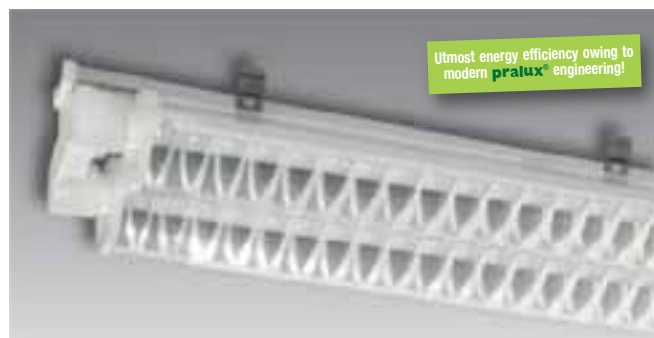
Luminaire insert Azoren SR T8 twin-lamp, with vertical lamp insertion, two-slot plug-in socket.



Luminaire insert Azoren SR T8 twin-lamp, with specular reflector and mirrored dark-light louver.



Luminaire insert Azoren SR T8 single-lamp with parabolic mirror reflector, prachtopal®.



Luminaire insert Azoren SR T8 twin-lamp, specular reflector and cross blade louver.

Accessories for luminaire insert Azoren SR T8 single- and twin-lamp

for FL T8/26 mm; with **pralux®** resp. **standard** reflectors

single- and twin-lamp with push-fit lampholders

Ordering note: For the twin-lamp designs, two covers are required!

Utmost energy efficiency owing to modern **pralux®** engineering!



Designation	For lamps Ø	Type	Reflector version	18 Watt	36 Watt	58 Watt
				Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflector, medium beam, for threaded ring lampholder, with stainless steel centering and retaining springs ...						
prachtopal® , impact-resistant	Ø 26	PSR-PLEX-PO 090	pralux®	3614 501	3614 503	3614 505
prachtopal® , impact-resistant	Ø 26	PSR-PLEX-PO 081	Standard	614 501	614 503	614 505
Acrylic glass, clear	Ø 26	PSR-PLEX 090	pralux®	3611 251	3611 253	3611 255
Acrylic glass, clear	Ø 26	PSR-PLEX 081	Standard	611 251	611 253	611 255
Acrylic glass, clear, interior ribbing	Ø 26	PSR-PLEX-IG 090	pralux®	3611 201	3611 203	3611 205
Acrylic glass, clear, interior ribbing	Ø 26	PSR-PLEX-IG 081	Standard	611 201	611 203	611 205
Polycarbonate, clear	Ø 26	PSR-MAK 090	pralux®	3611 451	3611 453	3611 455
Polycarbonate, clear	Ø 26	PSR-MAK 081	Standard	611 451	611 453	611 455
Polycarbonate, clear, interior ribbing	Ø 26	PSR-MAK-IG 090	pralux®	3611 401	3611 403	3611 405
Polycarbonate, clear, interior ribbing	Ø 26	PSR-MAK-IG 081	Standard	611 401	611 403	611 405
... with interior cross blade louver, white, with stainless steel centering and retaining springs						
Acrylic glass, clear, interior ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR	pralux®	3621 251	3621 253	3621 255
Acrylic glass, clear, interior ribbing, CBL	Ø 26	PSR-PLEX-IG-QLR	Standard	621 251	621 253	621 255
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR	pralux®	3621 201	3621 203	3621 205
Acrylic glass, clear, CBL	Ø 26	PSR-PLEX-QLR	Standard	621 201	621 203	621 205
Polycarbonate, clear, interior ribbing, CBL	Ø 26	PSR-MAK-IG-QLR	pralux®	3621 451	3621 453	3621 455
Polycarbonate, clear, interior ribbing, CBL	Ø 26	PSR-MAK-IG-QLR	Standard	621 451	621 453	621 455
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR	pralux®	3621 401	3621 403	3621 405
Polycarbonate, clear, CBL	Ø 26	PSR-MAK-QLR	Standard	621 401	621 403	621 405
... with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear, interior ribbing, DLR	Ø 26	PSR-PLEX-IG-DLR	pralux®	3621 851	3621 853	3621 855
Acrylic glass, clear, interior ribbing, DLR	Ø 26	PSR-PLEX-IG-DLR	Standard	621 851	621 853	621 855
Acrylic glass, clear, DLR	Ø 26	PSR-PLEX-DLR	pralux®	3621 801	3621 803	3621 805
Acrylic glass, clear, DLR	Ø 26	PSR-PLEX-DLR	Standard	621 801	621 803	621 805
Polycarbonate, clear, interior ribbing, DLR	Ø 26	PSR-MAK-IG-DLR	pralux®	3621 951	3621 953	3621 955
Polycarbonate, clear, interior ribbing, DLR	Ø 26	PSR-MAK-IG-DLR	Standard	621 951	621 953	621 955
Polycarbonate, clear, DLR	Ø 26	PSR-MAK-DLR	pralux®	3621 901	3621 903	3621 905
Polycarbonate, clear, DLR	Ø 26	PSR-MAK-DLR	Standard	621 901	621 903	621 905
Specular reflector 090 wide beam, with stainless steel centering and retaining springs						
prachtopal® , impact-resistant	Ø 26	HLR-Breit-PO 090	pralux®	611 501	611 503	611 505
Acrylic glass, clear	Ø 26	HLR-Breit-PLEX 090	pralux®	611 231	611 233	611 235
Polycarbonate, clear	Ø 26	HLR-Breit-MAK 090	pralux®	611 431	611 433	611 435
Specular reflector with interior dark-light louver, white, with stainless steel centering and retaining springs						
Acrylic glass, clear CBL	Ø 26	HLR-Breit-PLEX-QLR	pralux®	611 261	611 263	611 265
Polycarbonate, clear CBL	Ø 26	HLR-Breit-MAK-QLR	pralux®	611 441	611 443	611 445
Specular reflector with interior dark-light louver, mirrored, with stainless steel centering and retaining springs						
Acrylic glass, clear DLR	Ø 26	HLR-Breit-PLEX-DLR	pralux®	611 331	611 333	611 335
Polycarbonate, clear DLR	Ø 26	HLR-Breit-MAK-DLR	pralux®	611 531	611 533	611 535
Specular reflector 090 narrow-beam, with stainless steel centering and retaining springs						
prachtopal® , impact-resistant	Ø 26	HLR-Tief-PO 090	pralux®	610 521	610 523	610 525
Acrylic glass, clear	Ø 26	HLR-Tief-PLEX 090	pralux®	610 101	610 103	610 105
Polycarbonate, clear	Ø 26	HLR-Tief-MAK 090	pralux®	610 401	630 403	610 405

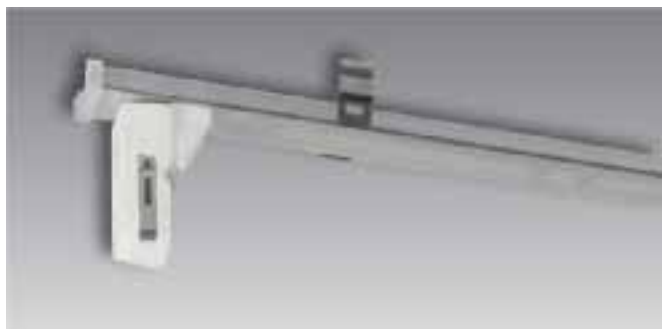
Designation	For lamps Ø	Type	18 Watt	36 Watt	58 Watt
			Art.-No.	Art.-No.	Art.-No.
Protective tube with adapter for 26 mm fluorescent lamps					
Polycarbonate, clear, OD = 38 mm	Ø 26	LS-MAK-SR-T8	613 321	613 323	613 325
Polycarbonate, clear, int. ribbing, OD = 38 mm	Ø 26	LS-MAK-IG-SR-T8	613 331	613 333	613 335
Acrylic glass, clear, OD = 50 mm	Ø 26	LS-PLEX-SR-T8	623 111	623 113	623 115
Acrylic glass, clear, int. ribbing, OD = 50 mm	Ø 26	LS-PLEX-IG-SR-T8	623 101	623 103	623 105
Polycarbonate, clear, OD = 50 mm	Ø 26	LS-MAK-SR-T8	613 311	613 313	613 315
Polycarbonate, clear, int. ribbing, OD = 50 mm	Ø 26	LS-MAK-IG-SR-T8	623 311	623 313	623 315
Silicate glass, clear, OD = 38 mm	Ø 26	LS-SG-SR-T8	623 611	623 613	623 615
Silicate glass, clear, OD = 50 mm	Ø 26	LS-SG-SR-T8	623 651	623 653	623 655
prachtopal® , impact-resis., OD = 50 mm	Ø 26	LS-PO-SR-T8	624 111	624 113	624 115
Note: Protective tubes Ø 38 mm and Ø 50 mm can be equipped with interior specular reflectors.					
Interior specular reflector	Ø 38	HIR-SR-T8/38	691 002	691 004	691 006
Interior specular reflector	Ø 50	HIR-SR-T8/50	691 001	691 003	691 005
Threaded ring, white with silicone seals					
Batten luminaire	Ø 26	SR 38/26	690 052		
Covers FL Ø26 protective tube Ø38	Ø 26	SR 38/2-two pieces	690 050		
Protective tube Ø50	Ø 26	SR 38/50	690 053		



Luminaire insert Azoren DD T5

for FL T5/16 mm,
single- and twin-lamp
with push-fit lampholder,
Protection Class I

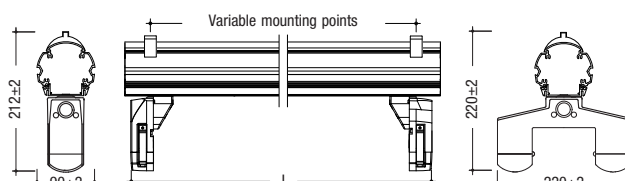
Housing: Aluminium profile, natural aluminium.
Socket end pieces: Socket end pieces made of PBT.
Socket: Two-slot plug-in socket.
Lamp cover: Batten luminaire, can be completed with accessories.
Seals: Short, age-resistant seals made of silicone.
Electrical components: Electronic ballast;
 Through-wiring max. 2 x 7 x 2.5 mm² within the basic profile Azoren.
Installation: Only in connection with basic profile Azoren through stainless steel clip.



High-efficiency during the entire service life owing to seamless reflectors. IP 65 lamp chamber!



Protection Class I acc. to VDE 0711/EN 60598
 Ingress protection IP64
 Dust-proof
 230V/50 Hz



Type (VDE designation)	Watt	El. bal. Standard		El. bal. Industry		L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.		
Luminaire insert Azoren T5/16 mm, with push-fit lampholder, with stainless steel closure clip							
ARS E 14 .../41 . DD	1 x 14 HE	121 413				645±2	
ARS E 14 .../43 . DD	1 x 21 HE	121 433				945±2	
ARS E 14 .../45 . DD	1 x 28 HE	121 453				1245±2	
ARS E 14 .../47 . DD	1 x 35 HE	121 473				1545±2	
ARS E 14 .../21 . DD	1 x 24 HO	121 213				645±2	
ARS E 14 .../23 . DD	1 x 39 HO	121 233				945±2	
ARS E 14 .../25 . DD	1 x 54 HO	121 253		121 256		1245±2	
ARS E 14 .../27 . DD	1 x 49 HO	121 273		121 276		1545±2	
ARS E 14 .../29 . DD	1 x 80 HO	121 293		121 296		1545±2	
ARS E 14 .../42 . DD	2 x 14 HE	121 423				645±2	
ARS E 14 .../44 . DD	2 x 21 HE	121 443				945±2	
ARS E 14 .../46 . DD	2 x 28 HE	121 463				1245±2	
ARS E 14 .../48 . DD	2 x 35 HE	121 483				1545±2	
ARS E 14 .../22 . DD	2 x 24 HO	121 223				645±2	
ARS E 14 .../24 . DD	2 x 39 HO	121 243				945±2	
ARS E 14 .../26 . DD	2 x 54 HO	121 263		121 266		1245±2	
ARS E 14 .../28 . DD	2 x 49 HO	121 283		121 286		1545±2	
ARS E 14 .../30 . DD	2 x 80 HO	121 303		121 306		1545±2	

Type (VDE designation)	Watt	El. bal. Multiwatt		El. bal. DIM 1-10 V		El. bal. DIM-DALI		L (mm)	Weight (kg)
		Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.		
Luminaire insert Azoren T5/16 mm, with push-fit lampholder, with stainless steel closure clip									
ARS E 14 .../41/21 . DD	1 x 14/24	121 412		121 414		121 415		645±2	
ARS E 14 .../43/23 . DD	1 x 21/39	121 432		121 434		121 435		945±2	
ARS E 14 .../45/25 . DD	1 x 28/54	121 452		121 454		121 455		1245±2	
ARS E 14 .../47/27/29 . DD	1 x 35/49/80	121 472		121 474		121 475		1545±2	
ARS E 14 .../42/22 . DD	2 x 14/24	121 422		121 424		121 425		645±2	
ARS E 14 .../44/24 . DD	2 x 21/39	121 442		121 444		121 445		945±2	
ARS E 14 .../46/26 . DD	2 x 28/54	121 462		121 464		121 465		1245±2	
ARS E 14 .../48/49/30 . DD	2 x 35/49/80	121 482		121 484		121 485		1545±2	

Areas of application: Continuous mounting applications, logistics centers and production facilities.



Utmost energy efficiency owing to modern **pralux** engineering!



Utmost energy efficiency owing to modern **pralux** engineering!

Luminaire insert Azoren DD T5 single-lamp with parabolic mirror reflector, interior ribbing.

Luminaire insert Azoren T5 DD twin-lamp, two-slot plug-in socket, with push-fit lampholder on one side, with hinge and stainless steel closure clip.

Accessories for luminaire insert Azoren DD T5 single- and twin-lamp

for FL T5/16 mm, with push-fit lampholders; with **pralux®** resp. standard reflectors

High-efficiency reflectors for luminaire insert Azoren DD T5 with centering and retaining springs made of stainless steel for T5 push-fit lampholders

Utmost energy efficiency owing to modern **pralux®** engineering!

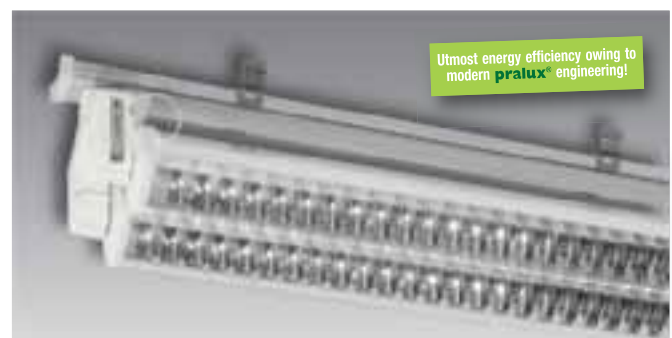


Ordering note: For the twin-lamp designs, two covers are required!

Designation	Type	Reflector version	14/24 Watt	21/39 Watt	28/54 Watt	35/49/80 Watt
			Art.-No.	Art.-No.	Art.-No.	Art.-No.
Parabolic mirror reflectors for luminaire insert Azoren DD T5, medium beam, with stainless steel centering and retaining springs for push-fit lampholders						
prachtopal® , impact-resistant	PSR-PLEX-PO-DD-T5 099	pralux®	3610 602	3610 604	3610 606	3610 608
prachtopal® , impact-resistant	PSR-PLEX-PO-DD-T5 090	Standard	5610 601	5610 603	5610 605	5610 607
Acrylic glass, clear, interior ribbing	PSR-PLEX-IG-DD-T5 099	pralux®	3631 202	3631 204	3631 206	3631 208
Acrylic glass, clear, interior ribbing	PSR-PLEX-IG-DD-T5 090	Standard	5631 202	5631 204	5631 206	5631 208
Acrylic glass, clear	PSR-PLEX-DD-T5 099	pralux®	3631 212	3631 214	3631 216	3631 218
Acrylic glass, clear	PSR-PLEX-DD-T5 090	Standard	5631 212	5631 214	5631 216	5631 218
Polycarbonate, clear, interior ribbing	PSR-MAK-IG-DD-T5 099	pralux®	3631 302	3631 304	3631 306	3631 308
Polycarbonate, clear, interior ribbing	PSR-MAK-IG-DD-T5 090	Standard	5631 302	5631 304	5631 306	5631 308
Polycarbonate, clear	PSR-MAK-DD-T5 099	pralux®	3631 312	3631 314	3631 316	3631 318
Polycarbonate, clear	PSR-MAK-DD-T5 090	Standard	5631 312	5631 314	5631 316	5631 318
with interior cross blade louver, white, with stainless steel centering and retaining springs for push-fit lampholders						
Acrylic glass, clear, CBL	PSR-PLEX-QLR-DD-T5 099	pralux®	3631 412	3631 414	3631 416	3631 418
Acrylic glass, clear, CBL	PSR-PLEX-QLR-DD-T5 090	Standard	5631 412	5631 414	5631 416	5631 418
Polycarbonate, clear, CBL	PSR-MAK-QLR-DD-T5 099	pralux®	3631 512	3631 514	3631 516	3631 518
Polycarbonate, clear, CBL	PSR-MAK-QLR-DD-T5 090	Standard	5631 512	5631 514	5631 516	5631 518
with interior dark-light louver, mirrored, with stainless steel centering and retaining springs for push-fit lampholders						
Acrylic glass, clear, DLL	PSR-PLEX-DLR-DD-T5 099	pralux®	3631 311	3631 313	3631 315	3631 317
Acrylic glass, clear, DLL	PSR-PLEX-DLR-DD-T5 090	Standard	5631 311	5631 313	5631 315	5631 317
Polycarbonate, clear, DLL	PSR-MAK-DLR-DD-T5 099	pralux®	3631 612	3631 614	3631 616	3631 618
Polycarbonate, clear, DLL	PSR-MAK-DLR-DD-T5 090	Standard	5631 612	5631 614	5631 616	5631 618
Specular reflectors for luminaire insert Azoren DD T5, wide beam, with stainless steel centering and retaining springs for push-fit lampholders						
prachtopal® Acry. glass, impact-res.	HLR-Breit-PLEX-PO-DD-T5 099	pralux®	5614 602	5614 604	5614 606	5614 608
Acrylic glass, clear	HLR-Breit-PLEX-DD-T5 099	pralux®	5631 232	5631 234	5631 236	5631 238
Polycarbonate, clear	HLR-Breit-MAK-DD-T5 099	pralux®	5631 432	5631 434	5631 436	5631 438
Specular reflectors, wide beam, with stainless steel centering and retaining springs for push-fit lampholders with interior prisms						
Acrylic glass, clear, interior prisms	HLR-Breit-PLEX-PRIS-DD-T5	pralux®	5631 201	5631 203	5631 205	5631 207
Polycarbonate, clear, interior prisms	HLR-Breit-MAK-PRIS-DD-T5	pralux®	5631 301	5631 303	5631 305	5631 307
with interior cross blade louver, white, with stainless steel centering and retaining springs for push-fit lampholders						
Acrylic glass, clear, CBL	HLR-Breit-PLEX-QLR-DD-T5	pralux®	5631 411	5631 413	5631 415	5631 417
Polycarbonate, clear, CBL	HLR-Breit-MAK-QLR-DD-T5	pralux®	5631 511	5631 513	5631 515	5631 517
with interior dark-light louver, mirrored, with stainless steel centering and retaining springs for push-fit lampholders						
Acrylic glass, clear, DLL	HLR-Breit-PLEX-DLR-DD-T5	pralux®	5631 611	5631 613	5631 615	5631 617
Polycarbonate, clear, DLL	HLR-Breit-MAK-DLR-DD-T5	pralux®	5631 711	5631 713	5631 715	5631 717
Specular reflectors for luminaire insert Azoren DD T5, narrow beam, with stainless steel centering and retaining springs for push-fit lampholders						
prachtopal® , impact-resistant	HLR-Tief-PLEX-PO-DD-T5 099	pralux®	5630 601	5630 603	5630 605	5630 607
Acrylic glass, clear	HLR-Tief-PLEX-DD-T5 099	pralux®	5630 102	5630 104	5630 106	5630 108
Polycarbonate, clear	HLR-Tief-MAK-DD-T5 099	pralux®	5630 402	5630 404	5630 406	5630 408
Lamp protection tube Ø 38 mm for T5/16 mm lamps						
Polycarbonate, clear	LS-MAK-DD-T5/16		5613 312	5613 314	5613 316	5613 318
Polycarbonate, clear, interior ribbing	LS-MAK-IG-DD-T5/16		5623 312	5623 314	5623 316	5623 318
Specular interior reflector for lamp protection tube Ø 38 mm for T5/16 mm lamps						
Specular interior reflector	HIR-T5/16-38		5691 002	5691 004	5691 006	5691 008
Perforated plate reflector	LOBL (please state share of holes in percent)		upon request	upon request	upon request	upon request
RAL colour finish at extra cost						



Luminaire insert Azoren DD T5 single-lamp, with clear parabolic mirror reflector.



Luminaire insert Azoren T5 DD twin-lamp, with specular reflector and dark-light louver.

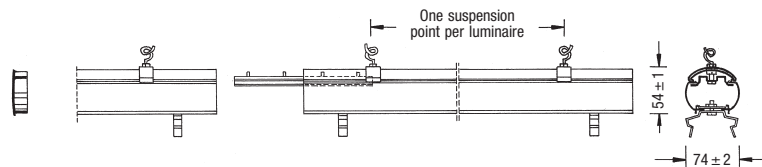
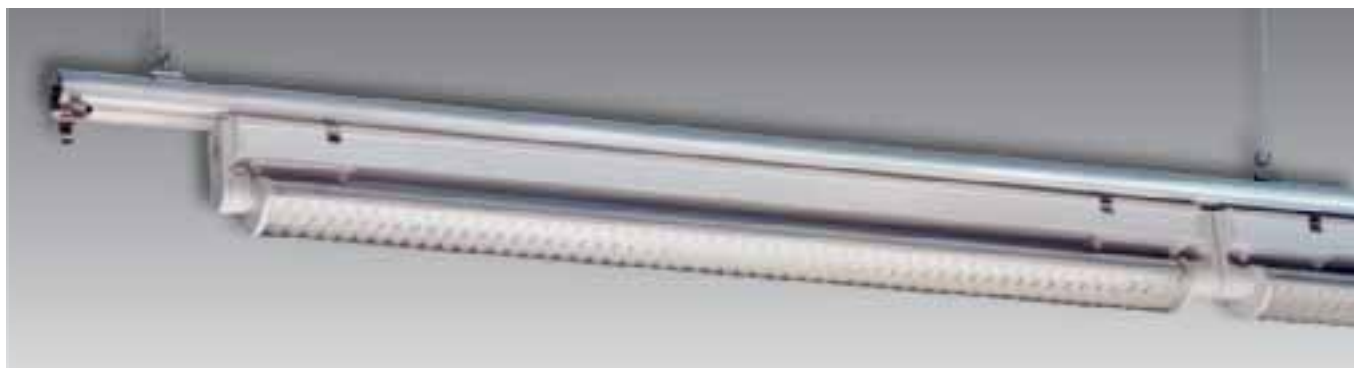


Lighting Trunking System LTAG

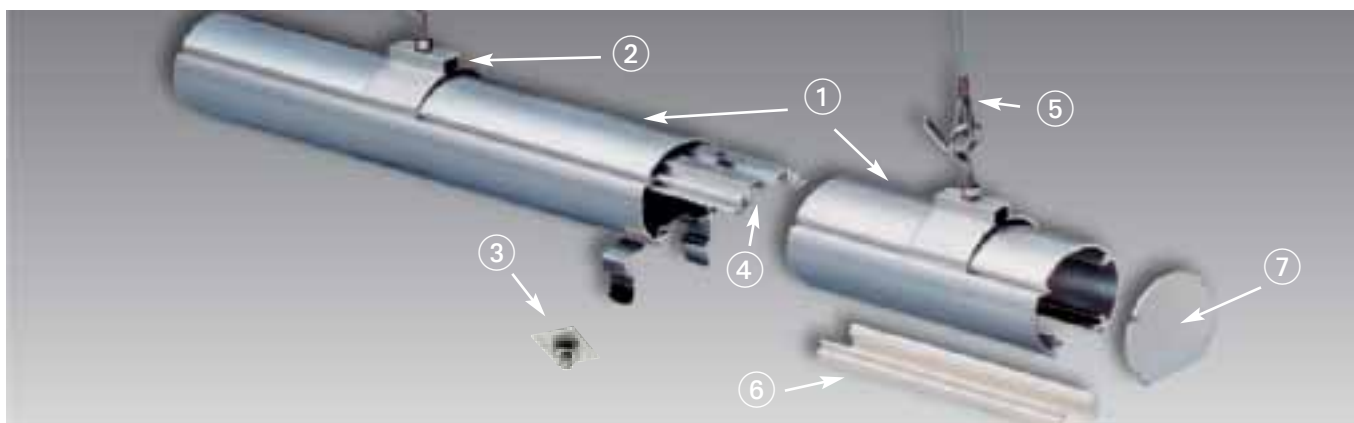
rounded natural aluminium

Stable, rigid, rounded aluminium trunk, with movable accessories.
 Universal trunking system suspension bracket SUAG and luminaire mounting plate LBA.
 Standard length of 3000 mm; max. length delivered of 6000 mm.

Suited for ceiling and pendant mounting.
 Minimum of dust deposits. Suited for use in the food industry.



Type	Art.-No.	L (mm)	Weight (kg) (approx.)
LTAG 1000	① 601 501	1000	1.00
LTAG 2000	601 502	2000	2.00
LTAG 3000	601 503	3000	3.00
LTAG 4000	601 504	4000	4.00
LTAG 5000	601 505	5000	5.00
LTAG 6000	601 506	6000	6.00
Universal trunking system suspension bracket – SUAG	② 601 110		
Luminaire mounting plate made of stainless steel – LBA (threaded anchor plate M6 without mounting clips)	③ 601 300		
Aluminium coupling KUPG (connector)	④ 601 550		
Stainless steel pendant, complete (cable pendant)	⑤ 601 500	1000	
Extra cost for each started meter	601 495		
Cover panel BLA (standard length 2000 mm)	⑥ 601 400	2000	
End cap LTAGK	⑦ 811 128		
Caution:			
Suspend every 2.00 meters when fully equipped with single-lamp luminaires!			
Suspend every 1.50 meters when fully equipped with twin-lamp luminaires!			
Single suspension (swing hook M6) for 100/200 lines	602 102		
Single suspension (swing hook M6) for Capri/Luna lines	602 100		
Note: Trunking LTAG colour anodised or colour powder coated at extra cost!			



Lighting Trunking System LTAG

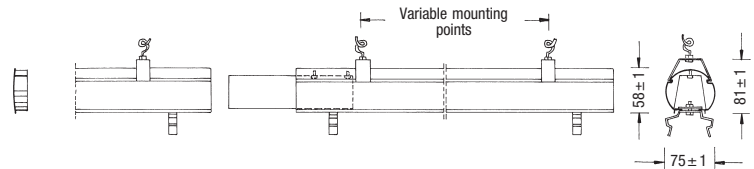
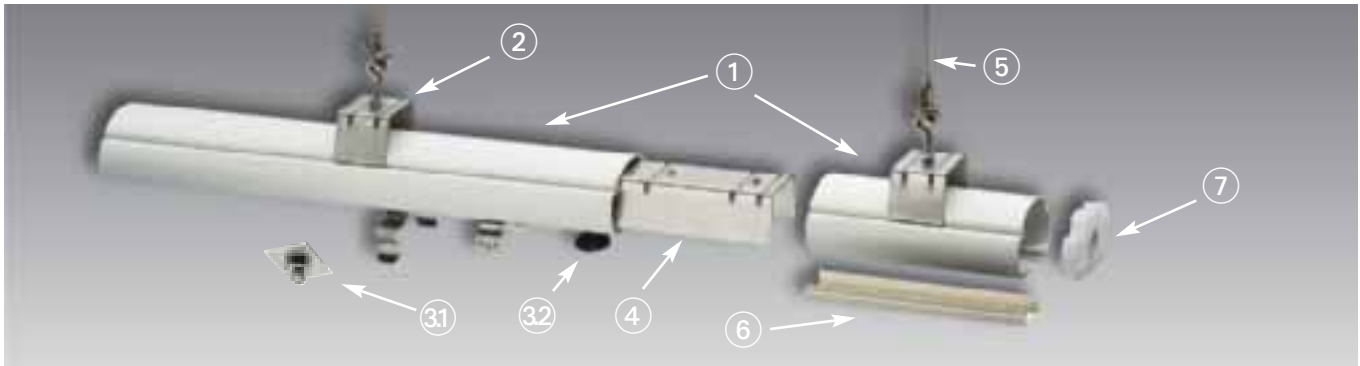
rounded polyester, white

Stable, rigid, rounded polyester trunk, with movable accessories.
Universal trunking system suspension bracket NSUAG and luminaire mounting plate LBA, both made of stainless steel. Standard length 3000 mm.

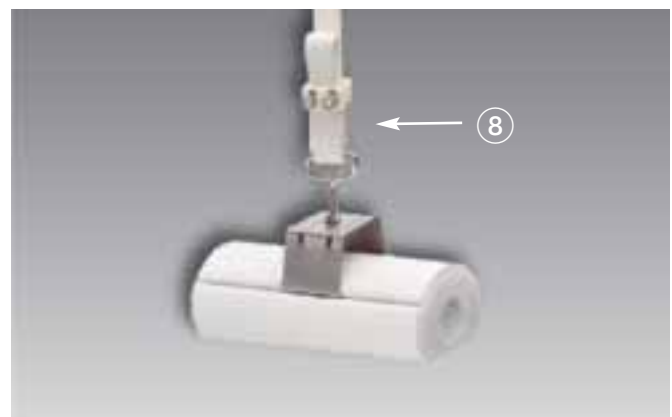
Suited for ceiling and pendant mounting
Minimum of dust deposits. Suited for use in the food industry.
Resistant to chemicals.



01 Batten luminaires with reflectors
02 Tubular luminaires
03 Basic Line
04 LED
05 Vandalism
06 Special luminaires
07 Industrial luminaires
08 Surface and recessed luminaires
09 Emergency lighting
10 Lighting tracking systems



Type	Art.-No.	L (mm)	Weight (kg) (approx.)
LTPG 3000 (standard length 3000 mm)	① 615 003	3000	2.7
Custom lengths upon request			
Universal trunking system suspension bracket, stainless steel – NSUAG	② 601 150	50	0.1
Luminaire mounting plate (threaded anchor plate M6 with threaded studs and nuts) made of stainless steel for Capri/Luna – LBA	③ 601 301		
Luminaire mounting plate (threaded anchor plate M6 without mounting clips) made of stainless steel for the 100/200 lines – LBA	③ 601 300		0.02
Coupling made of stainless steel – NKUPG	④ 602 300	300	0.4
Round cable pendant made of stainless steel with synthetic material coating 1000 mm	⑤ 601 500	1000	0.1
Cover panel – BLA 2000	⑥ 601 400	2000	0.2
End cap, synthetic material LTPGK	⑦ 601 880		0.01
Wide band made of synthetic material, charged per meter	601 870		
Wide band made of synthetic material pendant lock	601 851		
Universal wide band made of synthetic material suspension	601 852		
Wide band made of synthetic material ceiling mounting piece	601 853		
Wide band made of synthetic material pendant / suspend every 1 m with trunking and ceiling mounts	⑧ 601 850		
Single suspension (swing hook M6) for 100/200 lines	602 102		
Single suspension (swing hook M6) for Capri/Luna lines	602 100		



Luminaire mounting plate (threaded anchor plate only) for CAPRI/LUNA ① lines.
Luminaire mounting plate (threaded anchor plate only) for PPR 200 ② lines.
Luminaire mounting plate (threaded anchor plate only) for PPR 100 ③ lines.

Wide band pendant (BBP).

The image shows a large industrial facility with a high ceiling. The ceiling is supported by a complex network of metal beams and trusses. Several long, rectangular fluorescent light fixtures are suspended from the ceiling, emitting a bright white light. The fixtures are arranged in rows, and some are connected to a metal track system. In the background, there are various pipes, conduits, and electrical infrastructure. The overall scene is a typical industrial or warehouse environment.

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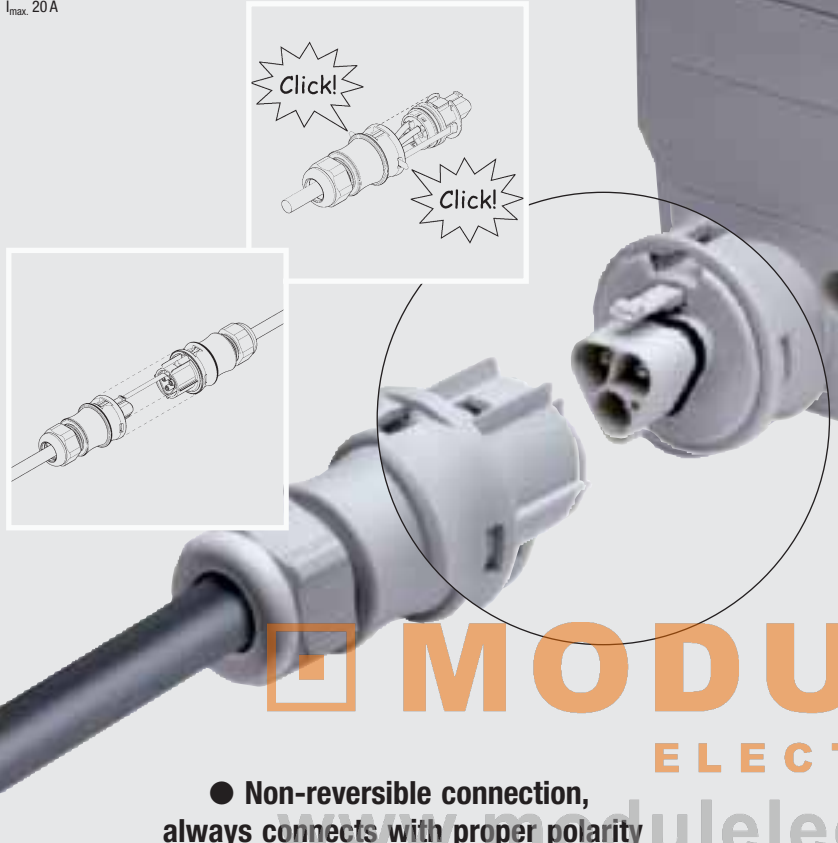


Pracht

Quick-Plug System

Housing for the plug connectors and device connections:
 Thermoplastic PA with NBR seals, glow wire test 960 °C
Temperature range: -30 °C to +100 °C
Seals: Durable sealing material made of NBR
Electrical components: 3-pole (L, N, PE), 5-pole available,
 Wire gauge up to max. 2.5 mm²
Installation: Easy to install using the "click" technology


 IP66/IP68
 230 V/50 Hz
 I_{max} 20 A



- Built-in device connector M20 with male and female connector. Supplied with sealing pieces.

MODUL ELECTRO

- Non-reversible connection, always connects with proper polarity
- Prevention of a ring loop
- Shock protection always guaranteed
- Electrical unit connections lock automatically when plugged in

The initial installation and all expansions are implemented quickly and safely with little actual installation work using pluggable electric connectors. The time required to replace luminaires in a continuously mounted system is reduced to a minimum. Its area of application includes the entire range of moisture-proof installation applications.

Please follow the relevant installation guidelines!

Extension cables available as an accessory upon request




Distribution block available as an accessory upon request



Distribution blocks	Cable	Number of conductors and diameter	L = Length
1 Input	3-pole male connector	H05 W 3x1.5 mm ²	max. 8 m
3 Outputs	3-pole female connector	H05 W 3x2.5 mm ²	max. 8 m
		H07 NRF 3x1.5 mm ²	max. 8 m
		H07 NRF 3x2.5 mm ²	max. 8 m

Note: 5-pole versions available upon request!

- 01 Batten luminaires with reflectors
- 02 Tubular luminaires
- 03 Basic Line
- 04 LED
- 05 Vandalism
- 06 Special luminaires
- 07 Industrial luminaires
- 08 Surface and recessed luminaires
- 09 Emergency lighting
- 10 Legacy tracking systems



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Replacement parts and information

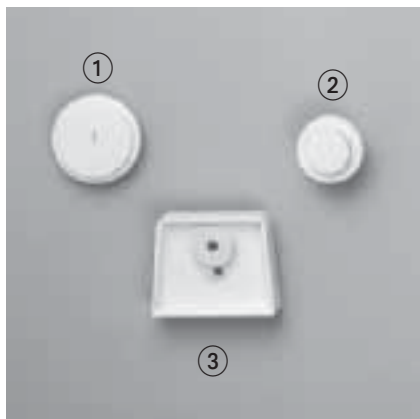
OUR GENERAL TERMS AND CONDITIONS APPLY.
PLEASE SEE OUR HOMEPAGE WWW.PRACHTGROUP.COM!

Should you unexpectedly require a replacement part we have a comprehensive replacement parts program at your disposal. Since we manufacture most of the plastic parts ourselves with our own machines and tools in our affiliated injection moulding plant, you can be assured that we will be able to supply the right replacement parts for many years to come.

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Replacement parts



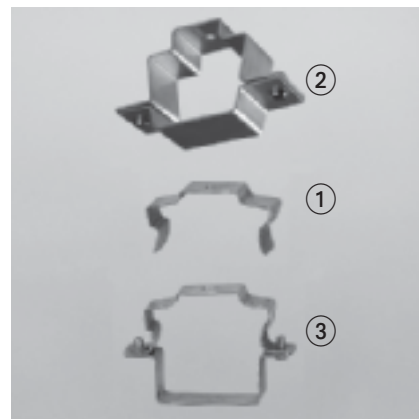
For Series 100..., white

- ① Screw-on cap with silicone seal **Art.-No. 690 011**
- ② Starter-screw connection with silicone seal **Art.-No. 690 021**
- ③ Head covers with silicone seal and triple M20 seal stoppers **Art.-No. 690 001**



For Series 200..., made of stainless steel

- ① Mounting clip – standard **Art.-No. 693 031**
- ② Arch clip, upper part **Art.-No. 690 030**

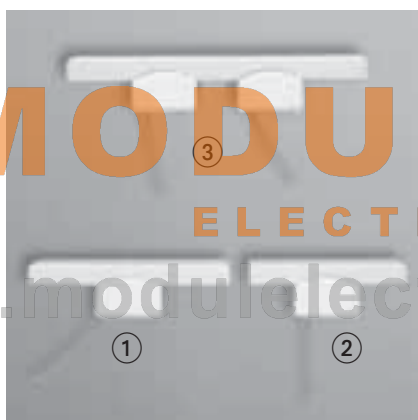


For Series 100..., made of stainless steel

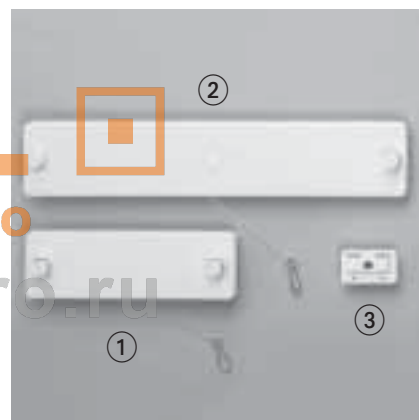
- ① Mounting clip – standard **Art.-No. 690 031**
- ② Special mounting clip **Art.-No. 690 133**
- ③ Theft-proof arch clip **Art.-No. 690 033**



- ① End cover 085 Meissner **Art.-No. 691 200**
- ② End cover 185/R 150 Feldberg **Art.-No. 691 205**

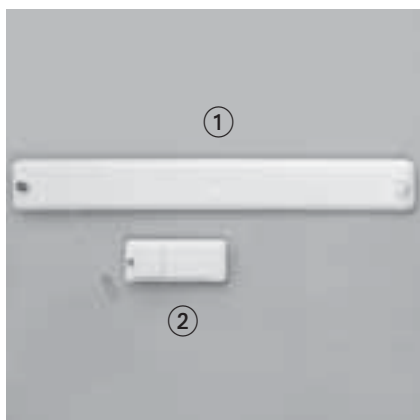


- ① End cover 185 Taurus **Art.-No. 691 202**
- ② End cover 150 Riederwald **Art.-No. 691 201**
- ③ End cover 285 Odenwald **Art.-No. 691 206**

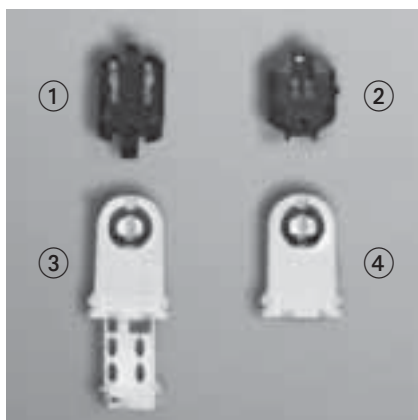


For VDE Series 100..., white

- ① Continuous mounting cover with silicone seal and retaining strap **Art.-No. 690 012**
- ② Continuous mounting cover with silicone seal and retaining strap **Art.-No. 690 013**
- ③ Interior mounting clip **Art.-No. 691 045**



- ① **XXL-cover**, for Series 100, 200 and Bernina **Art.-No. 692 210**
- ② **Apollo-cover for continuous mounting**, with seal; Series PPR200 **Art.-No. 690 023**

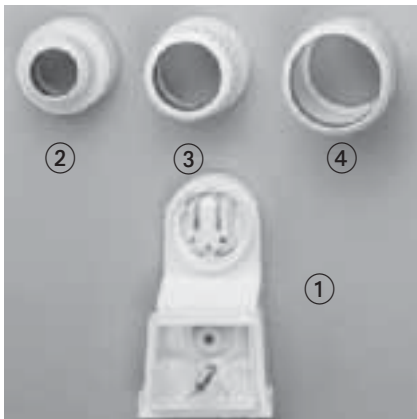


- ① Two-slot plug-in socket with silver-plated contacts for T8/26 mm **Art.-No. 692 150**
- ② Two-slot plug-in socket for T5/16 mm **Art.-No. 692 151**
- ③ Luna plug-in socket with starter socket **Art.-No. 693 049**
- ④ Luna plug-in socket without starter socket **Art.-No. 693 060**



- ① Nipple coupling 2 x 1.5 mm² **Art.-No. 601 206**
- ② Nipple coupling 4 x 1.5 mm² **Art.-No. 601 205**
- ③ Nipple coupling 4 x 2.5 mm² **Art.-No. 602 205**
- ④ Capri starter screw connection **Art.-No. 690 207**
- ④ Capri twist lock quick connector **Art.-No. 690 208**

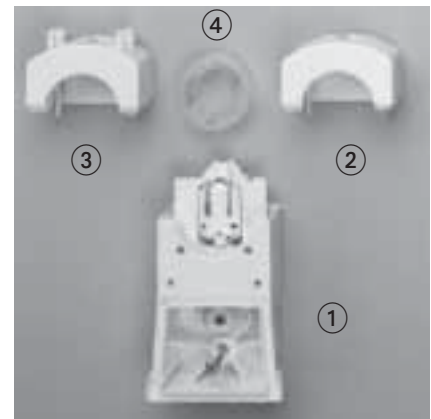
Replacement parts



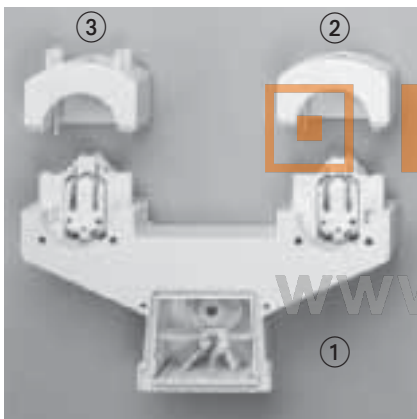
- ① Threaded lampholder housing single-lamp, white, Series 100 **Art.-No. 691 044**
- ② Threaded rings 38/26 **Art.-No. 690 052**
- ③ Threaded rings 38/2 **Art.-No. 690 050**
- ④ Threaded rings 38/50 **Art.-No. 690 053**



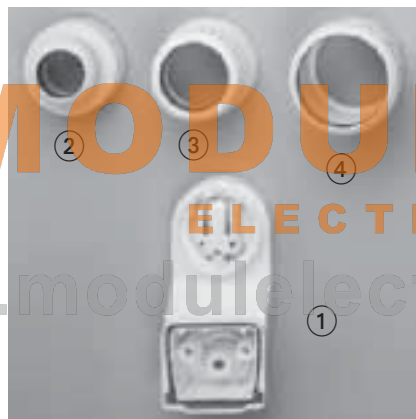
- ① Threaded lampholder housing twin-lamp, white Series 100 **Art.-No. 691 043**
- ② Threaded rings 38/26 **Art.-No. 691 042**
- ③ Threaded rings 38/2 **Art.-No. 690 050**
- ④ Threaded rings 38/50 **Art.-No. 690 053**



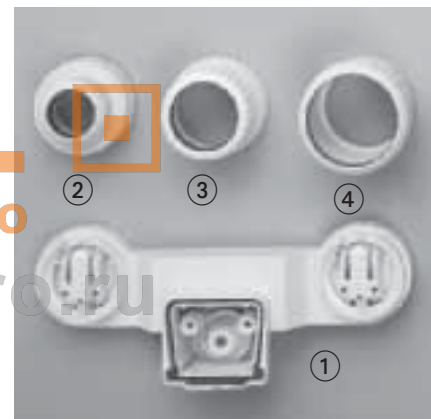
- ① Push-fit lampholder housing DD 38, single-lamp, wht., Series 100 **Art.-No. 691 050**
- ② Push-fit lampholder -38- wo. pins **Art.-No. 691 056**
- ③ Push-fit lampholder -50- wo. pins **Art.-No. 691 052**
- ④ Ring seal \varnothing 38 mm **Art.-No. 691 053**
- ⑤ Ring seal \varnothing 50 mm **Art.-No. 691 028**



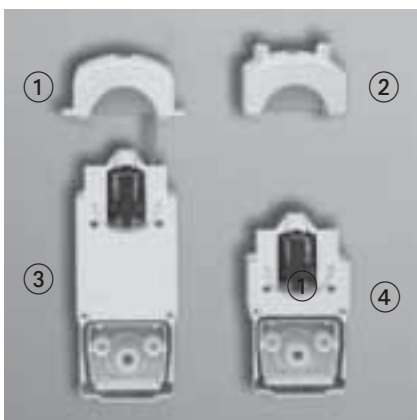
- ① Push-fit lampholder housing DD 38, twin-lamp, white, Series 100 **Art.-No. 691 090**
- ② Push-fit lampholder -38- wo. pins **Art.-No. 691 052**
- ③ Push-fit lampholder -38- with pins **Art.-No. 691 053**



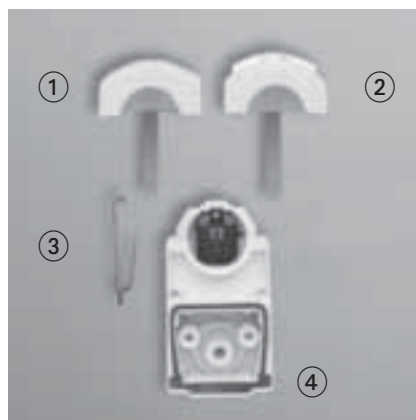
- ① Threaded lampholder housing single-lamp, white Series 200 **Art.-No. 691 076**
- ② Threaded rings 38/26 **Art.-No. 690 052**
- ③ Threaded rings 38/2 **Art.-No. 690 050**
- ④ Threaded rings 38/50 **Art.-No. 690 053**



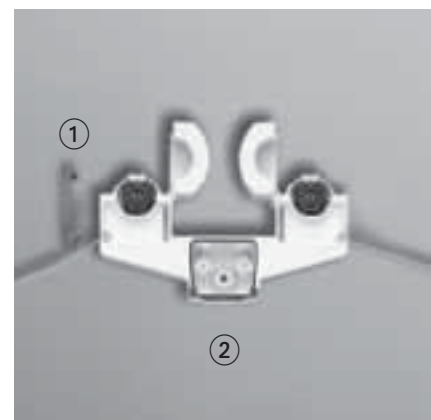
- ① Threaded lampholder housing twin-lamp, white Series 200 **Art.-No. 691 077**
- ② Threaded rings 38/26 **Art.-No. 690 052**
- ③ Threaded rings 38/2 **Art.-No. 690 050**
- ④ Threaded rings 38/50 **Art.-No. 690 053**



- ① Push-fit lampholder -38- wo. pins **Art.-No. 691 052**
- ② Push-fit lampholder -38- with pins **Art.-No. 691 053**
- ③ Series 200 DDH **Art.-No. 691 085**
- ④ Series 200 DDF **Art.-No. 691 086**



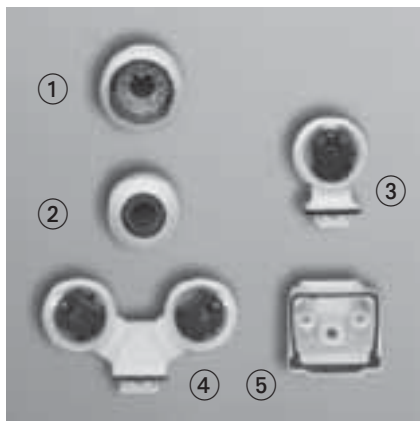
- ① Push-fit lampholder T5 without pins **Art.-No. 692 106**
- ② Push-fit lampholder T5 with pins **Art.-No. 692 107**
- ③ DD T5 Clip made of stainless steel **Art.-No. 692 109**
- ④ Lampholder housing T5 single-lamp with interior socket **Art.-No. 692 110**



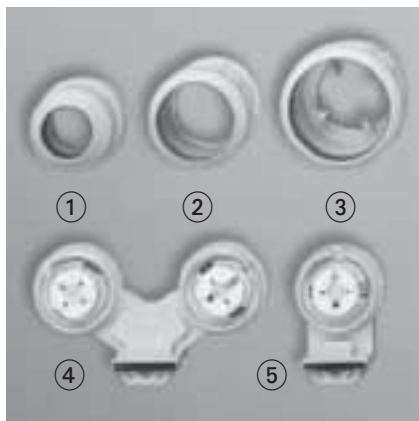
- ① DD T5 Clip made of stainless steel **Art.-No. 692 109**
- ② Lampholder housing T5 twin-lamp complete with push-fit lampholder and interior sockets **Art.-No. 692 110**



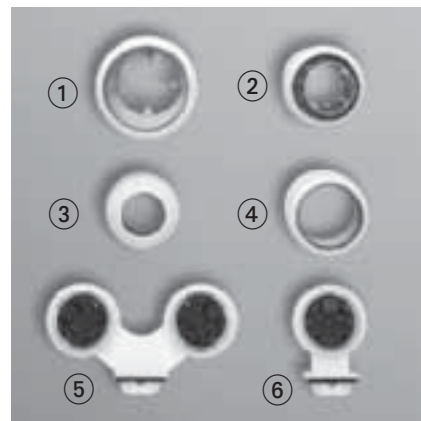
Replacement parts



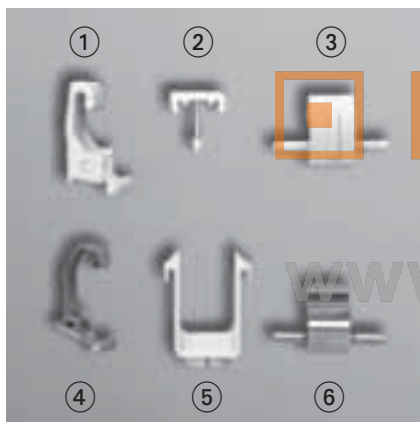
- ① Threaded ring 16/38 for LS Ø 38 **Art.-No. 5691 057**
- ② Threaded ring T5/16 mm **Art.-No. 5691 105**
- ③ Threaded lampholder housing T5/16 mm, single-lamp, white, **Series Apollo** **Art.-No. 692 111**
- ④ Threaded lampholder housing T5/16 mm, twin-lamp, white, **Series Apollo** **Art.-No. 692 112**
- ⑤ Head cover Series 200 **Art.-No. 691 024**



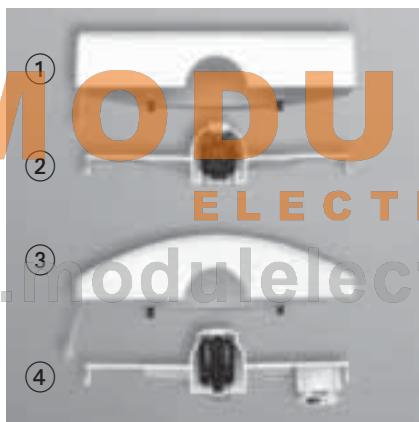
- Replacement lampholder Capri, old type – twist/snap-in –
- ① Threaded rings 26 grey **Art.-No. 691 051**
 - ② Threaded rings 26/38 grey **Art.-No. 691 057**
 - ③ Threaded rings 26/50 grey **Art.-No. 691 058**
 - ④ Threaded lampholder housing twin-lamp, grey, Series Capri, old **Art.-No. 693 047**
 - ⑤ Threaded lampholder housing single-lamp, grey, Series Capri, old **Art.-No. 693 045**



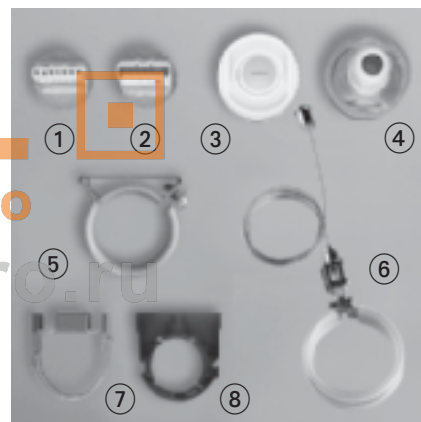
- Replacement lampholder Capri – two-pin snap-in –
- ① Threaded rings 26/50 white **Art.-No. 690 058**
 - ② Threaded rings 26/38 with sleeve **Art.-No. 695 055**
 - ③ Threaded rings 26 white **Art.-No. 691 051**
 - ④ Threaded rings 26/38 white **Art.-No. 691 057**
 - ⑤ Two-pin threaded lampholder housing twin-lamp, grey, Series Capri new **Art.-No. 690 047**
 - ⑥ Two-pin threaded lampholder housing single-lamp, grey, Series Capri new **Art.-No. 690 045**



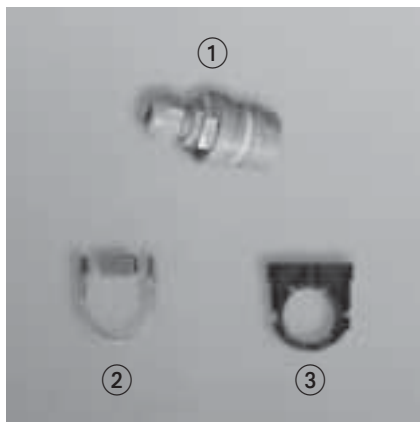
- ① Luna toggle clamp-exterior clip, old, made of synthetic material **Art.-No. 690 217**
- ② Reflector-fixing clip **Art.-No. 690 210**
- ③ Luna-clip single-piece, made of synthetic material POM **Art.-No. 692 212**
- ④ Luna toggle clamp-exterior clip, old, made of stainless steel **Art.-No. 690 214**
- ⑤ Luna interior reflector-clip **Art.-No. 690 211**
- ⑥ Luna-clip single-piece, made of stainless steel **Art.-No. 692 214**



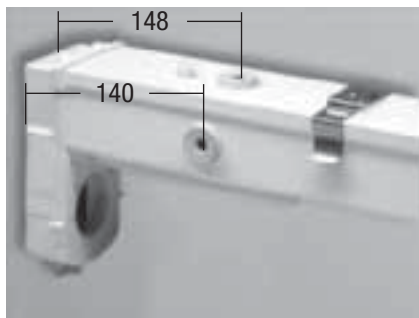
- Bernina T5/16 mm and T8/26 mm replacement parts
- ① Push-fit lampholder flat, complete **Art.-No. 6971 101**
 - ② Lampholder inner part T5, compl. **Art.-No. 6971 105**
 - ③ Push-fit lamph., convex, compl. **Art.-No. 6971 100**
 - ④ Lampholder inner part T8, compl., with starter **Art.-No. 6971 106**
- Not illustrated:
 Lampholder inner part T8, complete, without starter **Art.-No. 6971 107**



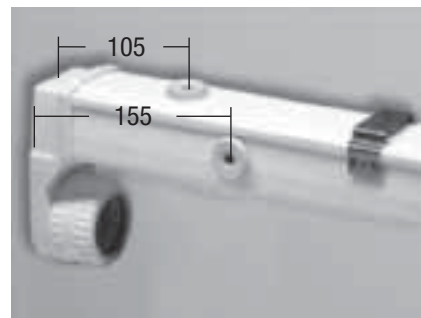
- Replacem. parts Tinos IP67/IP68 T5/16 mm, T8/26 mm
- ① Connection bush **Art.-No. 694 041**
 - ② Connection plug **Art.-No. 694 042**
 - ③ 90°-screw cap, without cable entry **Art.-No. 694 043**
 - ④ 90°-screw cap, with cable entry **Art.-No. 694 044**
 - ⑤ Pracht Tinos clip IP68 Ø60mm made of stainless steel **Art.-No. 704 040**
 - ⑥ Cable pendulum suspension Tinos IP68, Ø60mm **Art.-No. 706 039**
 - ⑦ Pracht tube clip made of stainless steel, IP67 **Art.-No. 694 040**
 - ⑧ Pracht tube clip made of synthetic material, IP67 **Art.-No. 694 039**



- Tanaro IP68 T5/16 mm and LED replacement parts
- ① Closure with mains connection **Art.-No. 693 070**
 - ② Pracht tube clip made of stainless steel, IP67 **Art.-No. 693 072**
 - ③ Pracht tube clip made of synthetic material, IP67 **Art.-No. 693 074**



- PPR 100
- Cable entry on the top **Art.-No. 691 151**
 - Cable entry at the side **Art.-No. 691 150**



- PPR 200
- Cable entry on the top **Art.-No. 691 151**
 - Cable entry at the side **Art.-No. 691 150**




Pracht luminaires guarantee good economy, good technical lighting functionality, an attractive appearance and they are especially easy to maintain. **Pracht** luminaires meet the highest quality requirements by careful quality tests and controls. They offer to the customer the highest safety standards.

Ultmost energy efficiency through modern **pralux**® engineering!

pralux® concept

pralux® specular reflectors increase Pracht quality and increase the benefit by two digit percent of figures. For objects requiring high luminous intensities and at high ceiling lighting points. **pralux**® stands for highest quality, longevity and efficient, energy-saving lighting solutions.

  and  - sign

Pracht luminaires conform to the laws relating to technical equipment in the workplace. Basic models bear the   and -sign, suited for direct installation on flammable building materials according to DIN 4102. Tested according to IEC / EN 60 598, VDE 0711.

 - sign

Pracht luminaires carrying this sign are suited for deployment in doors or in protected areas.

VDE-(Association of German Electrical Technicians) classification sign on the luminaire's label.

V = Low-loss ballast B1/B2

E = Electronic ballast

Supply voltage and operating temperature

Pracht luminaires are designed for a mains supply of 230 V/50 Hz and a max. ambient temperature of + 25°C.

Wiring and continuous mounting

Pracht luminaires are wired as standard using heat-resistant wiring in conformity with the Association of German Electrical Technicians' guidelines. Depending on the product line, up to max. 7x2.5 mm².

Compensation and radio shielding

Pracht luminaires are delivered by us in a compensated version for an extra charge (parallel-compensation). We reserve the right to supply capacitors separately, as we do not always have built-in models in stock.



Pracht luminaires with parallel compensation are radio-shielded and maybe used in residential areas without any further radio shielding, in accordance with EC guidelines. The capacitors to be used comply with VDE 0100/5.73 § 32 a 1.3 with VDE-(Association of German Electrical Technicians) and FP-signs.

Pracht luminaires are fitted with radio shielding devices.

Pracht luminaires are equipped for types of use in which degree of radio shielding **K** is required, by means of special interference suppression filters.

Pracht luminaires bear the -sign.

Protection classes

Pracht luminaires are sub-divided into two protection classes. Protection class I is indicated with ; this connection point is to be used to connect the protective earth conductor. Protection class II is fully insulated and is indicated by . For EVG, EVG DIM 1-10V and EVG CIM DALI a functioning earth may be required; Protection class II still applies.

Ingress protection

Pracht luminaires have high levels of ingress protection and are classified using the appropriate symbols according to VDE 0711.

Note:

Particular disinfection and cleaning fluids, such as those used in e.g. in washing facilities, dairies and meat sales outlets and alike, will attack luminaires and accessory parts and lead to premature wear and tear. Please note the information given in our resistances table!

Synthetic materials used in the construction of luminaires

In the modern manufacture of luminaires synthetic materials have come to be important and proven, functional elements, which are chosen, processed and employed in line with the latest technological findings. Always follow the cleaning instructions! Using these luminaires in accordance with the manufacturer's guidelines will ensure only the normal age-ing process of the lights. Impermissible stress on the lights and detrimental influences will, however, reduce their resistance to ageing.

Harmful influences	Cause, e.g.	The effects of
Unusually high temperatures	excess operational voltage ambient temperature too high im- proper installation	Distortion Becoming brittle Discoloration
short-term exposure to UV light	Mercury vapor – high pressure lamps with high levels of UV light, sterilization lights	Yellowing Becoming brittle
abrasive substances	softeners (plasticizers) (e.g. from cable insulation materials), is of in-appropriate cleaning or disinfection fluids	Formation of cracks, decreased solidity, superficial damage

Any such impermissible stresses will reduce the lights' resistance to ageing, i.e. the series manufactured parts made of synthetic materials will wear out more quickly. Our warranty will be rendered invalid. If you have any particular problems with these lights, we would be glad to discuss them with you.

For all damage to property or injury to persons arising from the improper installation of and modifications to the luminaires, undertaken without our involvement, we will accept no liability. VDE (Association of German Electrical Technicians) and ENEC sign will be void. Installation and connection should be carried out only by suitably-qualified personnel. Caution: Electric Shock!

For the planner

Our luminaires are measured and optimized using a modern computer-controlled cheval glass system. Complete computerized assessments are available for all your planning needs. Please request technical lighting data!

For calculations and the use of the list

We supply goods solely under the conditions of our General sales and delivery terms. at net order prices, exclusive of VAT.

under 1.500,- EUR from the factory, without packaging
from 1.500,- EUR carriage-free, German railway station, incl. packaging

Goods may be returned to us only with our written agreement.

In so far as prices are stated, it is understood that these are quoted in Euros and are non-binding recommended prices, exclusive of VAT. For objects and for special occasions you will be quoted prices net excluding tax. Please ask for our net prices. The prices are quoted per quantity of units, without illuminant, but including starter. The prices sated in our latest price list apply exclusively.

Note:

We reserve the right to make changes in the interests of technical progress! Dimensions, weights and construction details stated are not binding. We supply goods solely under the advertised terms of sale.

The Art.-No. must always be quoted when ordering.

The details in our catalogue are produced with great care. Errors and technical modifications reserved. Effective date 03/2010.



Resistance table

Chemical substance	Polyester PBT	Acrylic glass PMMA	Polycarbonate PC	Aluminium AL
Accumulator acid	●	●	●	—
Acetic acid up to 5%	●	○	●	○
Acetic acid up to 30%	●	—	○	○
Acetone	—	—	—	●
Alcohol up to 30%	●	●	●	●
Aliphatic hydrocarbons	○	○	●	●
Ammoniac 25%	—	●	—	●
Aniline	—	—	—	●
Aromatic Hydrocarbons	○	—	—	●
Aqueous sodium hydroxide 2%	○	●	—	—
Aqueous sodium hydroxide 10%	—	●	—	—
Beer	●	●	●	●
Benzine (bezine for washing)	●	●	●	●
Benzol	—	—	—	○
Blood	●	●	●	●
Bromic acid	—	—	—	—
Carbon monoxide	●	●	●	●
Carbon tetrachloride	—	●	—	●
Chloroform	—	—	—	○
Chlorophenol	—	—	—	○
Cooking salt solution	●	●	●	○
Concentrated alcohol	○	—	—	●
Diesel oil, crude oil	●	●	○	●
Dioxane	●	—	—	—
Ether	○	—	—	●
Ethylacetate (Ester)	—	—	—	●
Glycerine	●	●	○	●
Glycol	●	●	●	●
Glysanthine	●	●	●	●
Hydrocarbon	●	●	●	●
Hydrochloric acid	up to 20%	●	●	● —
	from 20%	●	●	○ —
Hydrogen peroxide	up to 40%	—	—	○ ○
	over 40%	—	○	○ ○
Hydrogen sulfide	—	●	●	● ●
Ketone	—	—	—	○
Lime milk	●	●	○	—
Lysol	—	—	—	○
Metallic salts and their aqueous solutions	●	●	●	—
Methanol	—	—	—	○
Methylene choride	—	—	—	○
Nitric acid	up to 10%	●	●	● ○
	10 to 20%	○	○	○ ○
	from 20%	—	—	— ○
Petroleum ether	●	●	○	●
Pyridin	—	—	—	○
Phenol	—	—	—	○
Seawater	●	●	●	○
Soapsuds	—	●	●	● ○
Soda	—	●	●	● —
Sulfuric acid	up to 50%	●	●	● ○
	up to 70%	●	○	○ ○
	from 70%	—	—	— ○
Sulfurous acid	up to 5%	○	○	— ○
Synthetic suds	—	●	●	○ ○
Terpentine oil	—	●	○	○ ●
Water up to 60°	—	●	●	● ●
Xylol	—	—	—	●

The resistances table provides an overview of chemical resistivity to the most commonly found chemicals contained in materials used in the construction of lighting equipment. The figures relating to chemical resistivity are based on an ambient temperature of approx. 25° C.

- = resistant
- = conditionally resistant
- = not resistant

Special notes:

If vapor-proof lamps are used in areas in which they are exposed to large amounts of oil, fat or chlorine vapors or in which they are directly in contact with these substances, lamp covers made of PMMA should be used together with V2A-locks; e.g. in industries involved with the preparation of foodstuffs (meat processing), kitchens and areas with immediate access to machines or indoor swimming pools.

Cleaning fluids and similar substances

When cleaning the covers, it is recommended that a mild solution of an appropriate fluid should be used. Any remaining traces of cleaning fluids should be completely removed.

This will not affect the anti-static protective layer on the cover.

Cleaning fluids	PMMA	PC
Ajax	●	●
Dor	●	●
Fewa	●	●
Perchloräthylen	—	—
Persil	●	○
Plexiklar	●	●
Pril	●	●
Sidolin	—	●
Spüli	●	●
Tri	—	—

The limited use of chemical cleaning agents is permitted, please ask for details.

Luminaires must bear a classification plate, affixed permanently to the main body of the luminaire and on which the text is clearly legible. This classification plate must contain the manufacturer's name and details of the luminaire's essential features.

The following inscriptions are generally required:

- Originator's mark (manufacturer) with contact details
- Type or Art.-No.
- Nominal voltage and type of current
- Nominal output
- Protection class
- Ingress protection
- Markings to aid installation

For the nominal output the number and nominal output of the lamps in question will generally be indicated.

The power factor $\cos \varphi$ – only for lamps with ballasts – states if and how the lamp has reactive power compensation. Ballast devices are necessary for the operation of discharge lamps, generally magnetic ballast devices will be used in series with the lamp. Such a circuit will produce, in addition to the effective power (Wattage), reactive power (VAR), which represents a load on the power supply. This reactive power is eliminated by compensation.

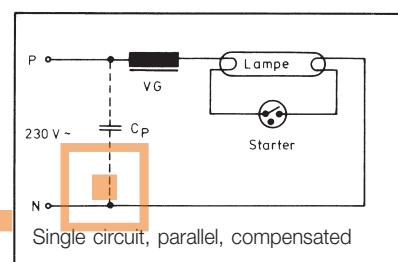
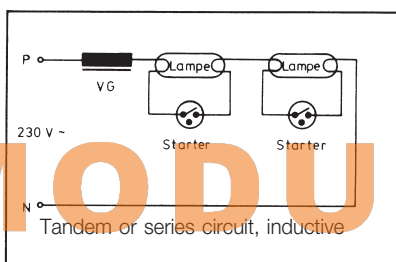
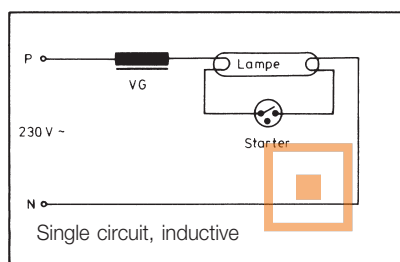
Compensation therefore relieves the drain on the lighting's power supply network and is implemented by using suitable capacitors.

Figures 1...3 show the usual circuits for FL-D-fluorescent lamps.

VG = Low-loss ballast

C_p = Parallel capacitor

EVG = Electronic ballast



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Required capacitor values for compensation.

Lamp output [W]	Parallel capacitor C_p 230V/50 Hz	
	Capacitance μF	Nominal voltage V
1 x 18	4.5±10%	230–250
2 x 18	4.5±10%	230–250
1 x 30	4.5±10%	230–250
1 x 36	4.5±10%	230–250
2 x 36	9.0±10%	230–250
1 x 58	7.0±10%	230–250
2 x 58	13.5±10%	230–250

Ingress protections categories

Ingress protection of luminaires	Protection X		Y	
	against	Foreign bodies and contact		Humidity and moisture (water)
IEC 529 = Ingress protection for electrical appliances	0	Not protected	0	Not protected
IEC 598 = VDE 0711 luminaires	1	Foreign bodies > 50 mm	1	Dripping water
	2	Foreign bodies > 12.5 mm	2	Dripping water when tilted up to 15°
IP XY (Ingress Protection)	3	Foreign bodies > 2.5 mm	3	Spraying water 
	4	Foreign bodies > 1 mm	4	Splashing water 
	5	Dust protected 	5	Water jets  
	6	Dust tight  Ingress of solid objects	6	Powerful water jets
	7	–	7	Immersion up to 1 m
	8	–	8	Immersion beyond 1 m
			9K	No ingress of water (high pressure/vapour jet cleaning)

Important installation and operating instructions

1. See also page 210!

1.1 When installing in critical areas, always refer to the appropriate installation guidelines.

2. Environmental conditions

2.1 When using moisture proof lamps in areas which will place extreme demands on the lights, e. g. cleaning fluids, disinfectant solutions, oils, fats, vapours of chemical origin etc., we would ask you to follow the information contained in the resistance table on page 210, or to discuss the matter with our technical staff in order to find the solution to your technical problems.

3. Through-wiring in continuous mounting

3.1 When carrying out through-wiring for continuous mounting layouts, please do not ever use NYM wiring, as the plasticizers (softeners) which are given off can cause damage to the parts made from synthetic materials.

3.2 **Pracht** luminaires are – according to the type and model – fitted with heat-resistant through-wiring (up to max. 4 x 2.5 mm² Protection Class II or max. 5 x 2.5 mm² Protection Class I) as approved by the VDE (Association of German Electrical Technicians).

For the CAPRI and LUNA Series there are separate through-wiring sets available.

Permissible circuit fusing: Wire cross section 1.5 mm² = 10 Amp.

Wire cross section 2.5 mm² = 16 Amp.

During installation all the pertinent regulations must be observed.

4. Use of electronic ballasts

- 4.1 Cold start appliances
- 3 switch-on actions per day
 - Suited for emergency lighting (VDE 0108)
- 4.2 Warm start appliances
- Frequent switching actions, movement detectors, for example
 - Reduces wear on lamp (pre-heating of electrodes for up to 2 secs.)
 - Limited suitability for emergency lighting (VDE 0108)
- 4.3 Electric circuit protection
- Automatic circuit breakers
 - Residual current circuit breaker (RCCB)
 - 3-phase operation – please observe the pertinent regulations
- 4.4 Ambient temperature
- -25° C to +25° C
 - at higher ambient temperatures and service life of the electronic ballasts is reduced
- 4.5 Damp rooms
- At extremely high atmospheric humidity levels, e.g. near dams, mountain galleries etc., we would ask you to discuss installation with our technical staff who will be pleased to help.

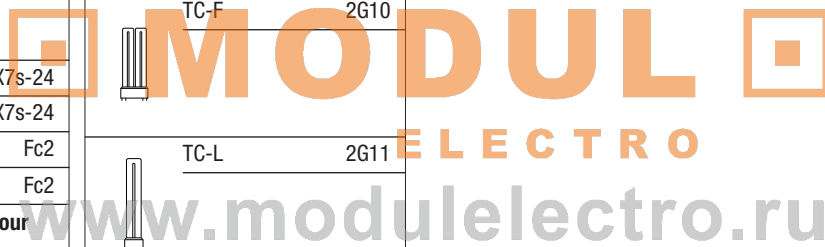
The details in our catalogue are produced with great care. Errors and technical modifications reserved. Effective date: 03/2010.

Label on the lamp


Overview of the illuminants used



Symbol	Description/ Illuminant	Socket	Symbol	Description/ Illuminant	Socket
General-purpose lamps					
	A60	E27			
High-pressure mercury discharge lamps					
	HME	E27			
	HME	E40			
High-pressure halogen metal vapour discharge lamps					
	HIE	E27			
	HIE	E40			
	HIE-P	E27			
	HIE-P	E27			
	HIT	E40			
	HIT-DE	RX7s-24			
	HIT-DE-CE	RX7s-24			
	HIT-DE-CE	Fc2			
	HIT-DE	Fc2			
	High pressure sodium vapour discharge lamps				
	HSE	E27			
	HSE	E40			
	HST	E27			
	HST	E40			
	HST-CRI	PG 12-1			
	HST	RX7s			
	HST	Fc2			
Low-pressure discharge lamps					
Compact fluorescent lamps					
	TC-S	G23			
	TC-SEL	2G7			
	TC-D	G24d-1			
	TC-D	G24d-2			
	TC-D	G24d-3			
	TC-DEL	G24q-1			
	TC-DEL	G24q-2			
	TC-DEL	G24q-3			
	TC-F	2G10			
	TC-L	2G11			
Low-pressure discharge lamps					
Circular fluorescent lamps					
	T32-R	G10q			
Low-pressure discharge lamps					
New fluorescent lamps, Ø16					
	T5/16	G5			
Low-pressure discharge lamps					
Standard fluorescent lamps, Ø26					
	T8/26	G13			
Low-pressure discharge lamps					
Standard fluorescent lamps, Ø38					
	T12/38	G13			
Sterilization lamp, Ø26					
	T8/26	G13			



Every care has been taken to ensure that the information and the diagrams in this catalogue (9th edition) are accurate. Errors and technical modifications reserved. Effective date: 03/2010.



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[www.prachtgroup.com]

www.modulelectro.ru



Alfred Pracht Lichttechnik GmbH

Am Seerain 3 · 35232 Dautphetal-Buchenau · Germany

Phone +49 6466 9140-0 · Fax +49 6466 9140-444

e-mail welcome@prachtgoup.com

www.prachtgroup.com

