

Lighting Tools

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Welcome to Ansorg

Ansorg develops and produces innovative technical luminaires for retail and architectural areas.

Cooperation with planners, designers and architects is the basis of the development of technically matured and aesthetically convincing luminaires and lighting concepts.

Besides the technical competence, Ansorg shifts the setting of lighting scenes based on the customer's special requirements to the focus of attention, since it is in particular the special wishes and needs which are indispensable for the effective setting of lighting scenes as part of a corporate identity.

For light creates unmistakable, easily remembered moods and atmospheres; it must blend into the ambience of the room in order to preserve its effect.

Therefore property-related luminaire developments rank just as much among the company's strong points as does a technically sophisticated, extensive standard range.

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For the implementation of the projects of our globally operating partners a team of experienced lighting designers and project managers are available. Ansorg is present, in the form of its own establishments or agencies, in major growth regions throughout the world.



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Core Competence of Ansorg

Individuality

Ansorg adds profile to visual corporate identities through the medium of light!

Individualised lighting concepts underline the corporate design of a company and hence create competitive advantages. Ambiences in which lighting is experienced support sales by means of optimum illumination of the merchandise presented and provide orientation for the consumer – in that way a feel-good atmosphere is produced and the residence time at the POS is increased. Ansorg is wherever the customer is. Here lighting concepts adjusted to the needs and requirements on the spot are developed and implemented with the matching 'Lighting Tools' from a wide range of products. Wherever appropriate and desired, Ansorg additionally provides customised product solutions in the form of bespoke special luminaires.

Experience

Ansorg has been placing accents in the lighting market for over 50 years now!

Many years of experience and extensive competence in the field of lighting make for confidence and certainty for our customers. Through numerous instances of long-term cooperation and friendly collaboration with well-known designers and architects, many joint ideas have been developed and unique conceptions implemented.

Economic efficiency

Ansorg is synonymous with energy and cost efficiency!

The interplay of technically innovative components and high-performance reflectors leads to the creation of luminaires that permit the use of smaller numbers of luminaires as well as lower wattages and actively contribute to saving direct and indirect energy costs. Modular systems make it possible to make user-friendly changes and to carry out maintenance without tools. Professional lighting design forms the basis of efficient and economical lighting concepts. In an integrated conception approach, investment, maintenance and process costs are hence saved and with reference to aspects of economic efficiency a leading technology status is achieved.

Internationality

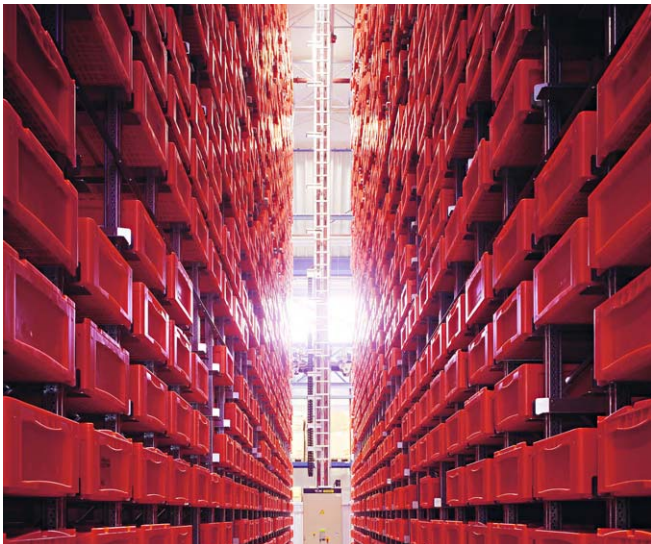
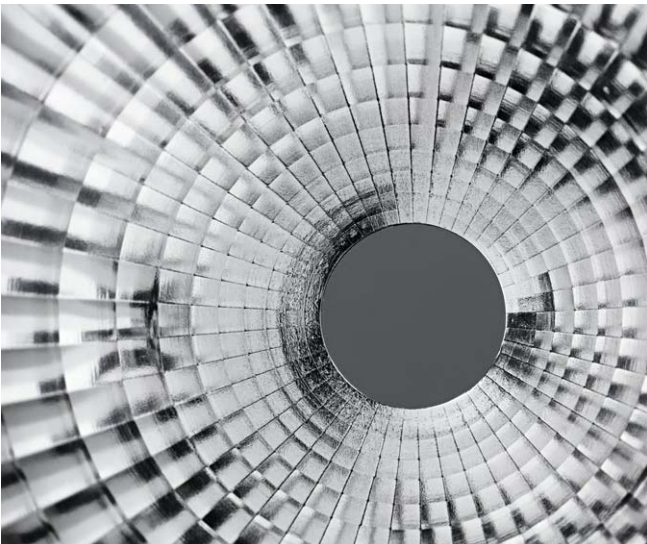
Ansorg is active as a global player!

A world-wide sales network and many years of international experience make it possible to comprehensively advise and support our internationally active customers in the course of their global expansion. Ansorg is familiar with the complex and differing lighting technology requirements of the international markets and in a position to safeguard international expansion strategies with constant quality of lighting technology. It goes without saying that our products exhibit the necessary international certification.

Responsibility for the environment

Ansorg believes in treating the environment in a responsible manner!

This principle has formed the basis of Ansorg's product development and lighting concepts at all times. Starting from the quality of the lighting components, products are created which are distinguished by their reliability and long product lives – in that way, resources are conserved. The Ansorg Product Development Department checks the ecological aspects of the substances and materials used over the entire product life cycle and has products created that comply with the principle 'Avoidance – before recycling – before disposal'. The sequences of operations are performed on the basis of a certified environmental management system – the energy supplied to our location is generated 100% from renewable energy sources.



Lighting technology

LED

Colour rendition


An assessment of LEDs on the basis of the colour rendition criterion (the index for colour rendition is Ra, often also CRI for Colour Rendering Index) according to the current method can very easily lead to good CRI values, with the visual lighting quality showing a less satisfactory result in certain circumstances. For this comparison, 14 colours were defined by the CIE (International Lighting Commission). However, only eight of these colours are taken into account in the CRI (Colour Rendering Index). So, for better assessment of the quality of a light source, besides the general colour rendering index often special colour rendition indices, for example the R9 (strong red) are also included. White LEDs (blue LEDs with a conversion layer) render the first eight colours, which are rather pastel shades, mostly very well, but have weaknesses in the red range. Therefore it is necessary, besides the CRI value, to also compare the colour R9 (strong red). Moreover, it must be taken into account that, depending on the economic sector, varyingly high demands are made on the quality of the colour rendition.

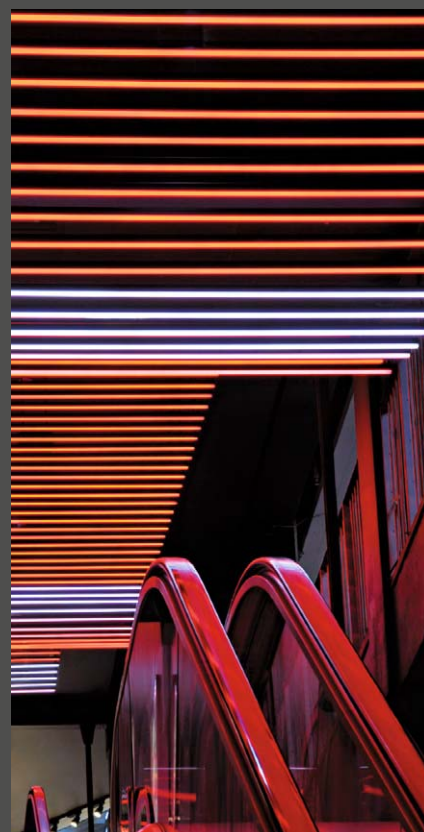
Dimmability

LED equipment can be dimmed easily and its colour temperatures (in the case of RGB LEDs) are infinitely adjustable. With this characteristic they provide new approaches for dynamic lighting concepts. In addition, the full luminous flux of the LED is immediately available upon switching-on, while a discharge lamp only reaches 100% of the output with increasing heating.

Product life

The life of an LED chip is often stated as being up to 100,000 hours. It is, however, important to take into account the decrease in the luminous flux over the product life of an LED. From this, real useful product lives of 35,000 – 50,000 hours are obtained. However, high temperatures usually caused by high currents, shorten the lives of LEDs considerably. In order to achieve this life of an LED, therefore good heat management is therefore absolutely essential. Due to the long product life, LEDs require practically no maintenance.

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Development of heat

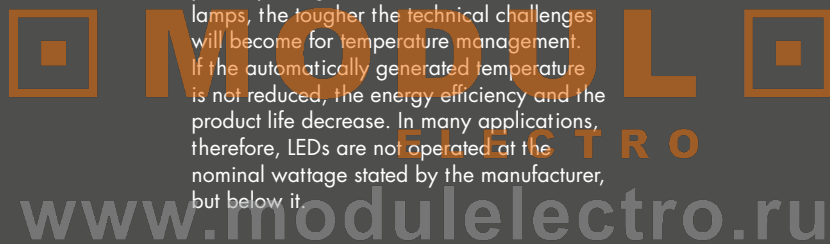
Light-emitting diodes are not thermal radiators and emit almost no heat radiation, but heat is generated directly in the semi-conductor material of the LED which must then be dissipated by means of a cooling system. The opinion often prevailing that the LED technology does not entail any thermal load for the luminaire system, is therefore not correct.

Efficiency

The parameter for the efficiency of a lamp is the light source efficacy in lumens per watt (lm/W). The more light (lumens) is produced in relation to the electric output (W), the more efficient a lamp is. In the case of LEDs, the efficiency is strongly dependent upon the constant current applied and the temperature. The higher the constant current applied is and the higher the temperature of the LED, the lower the efficiency is. Low-wattage LEDs provide higher relative values than units with higher power packages. The luminous flux in the case of LEDs is, moreover, greatly dependent upon the light temperature. For warm white LEDs this is markedly below that of cold white LEDs. The closer the LED technology gets to the power packages that one is used to from HID lamps, the tougher the technical challenges will become for temperature management. If the automatically generated temperature is not reduced, the energy efficiency and the product life decrease. In many applications, therefore, LEDs are not operated at the nominal wattage stated by the manufacturer, but below it.

Brilliance

To produce brilliance, point-shaped light sources are required. With an overcast sky and fog high illuminance can in fact be measured, but overall a diffuse light distribution suppresses any brilliance. Conventional lamps using halogen/and HID technology have a narrowly defined light centre and are particularly suited to producing brilliant cones of light via exact reflectors. LED units of higher lumen packages have, in comparison with these point-shaped light sources, as a rule, larger effective reflex surfaces. Seen from this point of view, reflector development also needs to be adjusted to this form of light generation.



Projects



Retail Lighting

Retailing worlds – shops, boutiques, outlets, showrooms, mega shopping malls and large stores – are a main focus for Ansong. In the success areas of sports, fashion, automotive and beauty Ansong has successfully positioned itself as a trendsetting supplier of modern lighting solutions. Well-known brands are based world-wide on this know-how. Tried and tested series products which have been awarded design prizes are in this context just as much Ansong's strong point as are situation-related special solutions at the leading edge of lighting technology. It is only with the help of light that the tension field between the observer and the goods becomes a visible and tangible medium. Retailing has therefore, despite e-commerce, or exactly because of it, gone off on flights of fancy as an alternative that can be experienced. New standards, examples and prospects characterise the future lighting business. Good design, the latest technology, the highest degree of ecological protection have become image and marketing factors which particularly at the point of sale can be convincing and be decisive for success.

Retail Lighting Food

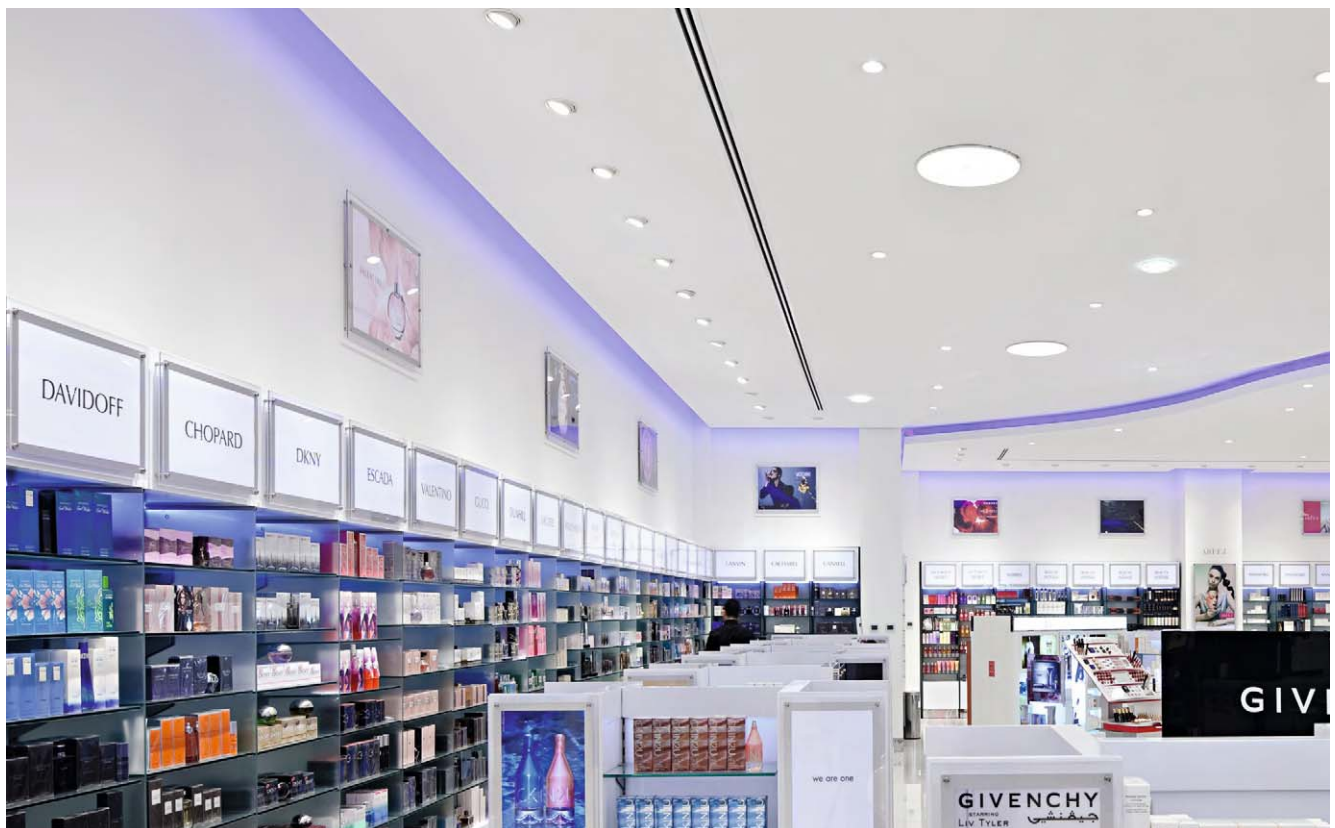
Food makes high demands on optimum scene setting with light. Lighting design in the food area, from discounters to delicatessen shops require high professionalism and sophisticated know-how. The presentation of food is always an area of invisible values. Compliance with standards, energy savings effects, and excellent lighting qualities are only to be achieved and optimised by means of constant innovation. Light can bring about positive emphasising of the quality of products and underline their authenticity. This quality is in line with the needs of many customers in a world which is increasingly perceived as being too artificial. A further approach from the invisible values of high-quality lighting is of an economic nature: luminaires with innovative lamps and a high luminous efficiency reduce the numbers of units and thus the capital expenditure. Ansong has been dealing with such optimisation and problem areas for decades and is constantly optimising, specialising and focusing its products.

Architectural Lighting

From the start of the 21st century, architecture is increasingly acquiring a greater role and receiving more attention when it is a matter of presenting corporate values and public prestige. Modern architecture and up-to-date design are values which can set buildings, rooms and companies and organisations associated with them apart from the mainstream. Architecture and the lighting design associated with it architectural applications are therefore to be viewed as the royal discipline of lighting design is occupying an increasingly larger guiding example function. The market characterised by high-speed change therefore demands in this segment excellent variable standard ranges as well as highly complex special solutions. Technical building management and lighting design are inseparable components of a holistic lighting solution which we develop jointly with our customers. Space, light, design and ecology provide new architecture with a characteristic dimension. Together they form an impressive, modern attitude to which we feel committed.



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A Compendium of Lighting Technology

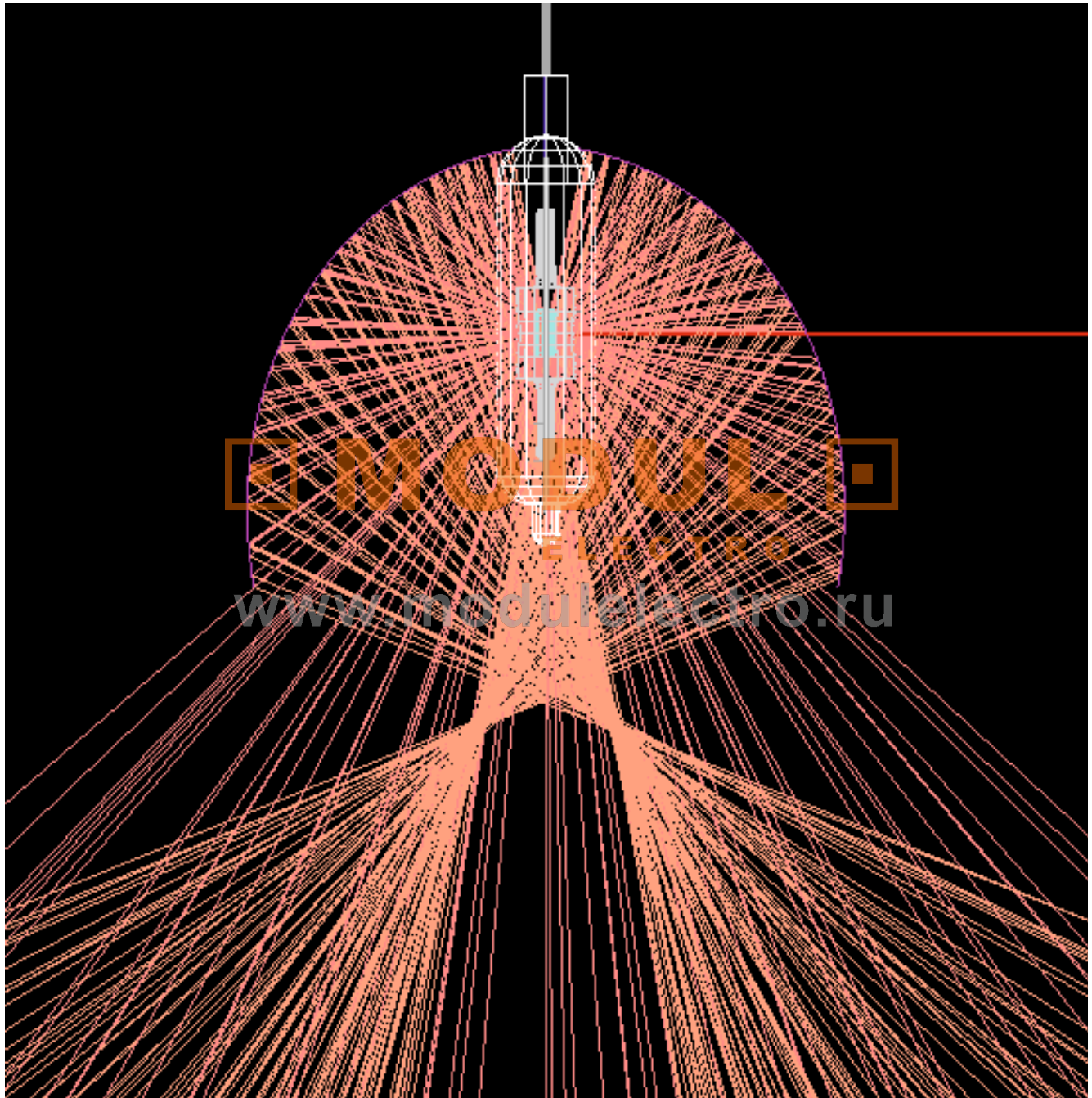
What is the best light for the respective purpose?

Is selling, informing, scene setting, work being carried out? Where is the space or room and what is it like? What is the daylight like? What kind of atmosphere is to prevail? What is the course of gaze like? Where is ambient light to take effect, where are accents placed? How is the light distributed? On what merchandise? In what situations? Where are the basics appropriate? What are special ideas and solutions needed for?

These are questions that our engineers who support development with scientific know-how also ask themselves: where is which luminaire solution the right one with which lamp? With which concept? Where is which technology effective? How to calculate, how to verify? In what intelligent and practicable implementation? And how do you combine innovative technical quality with economic efficiency, sustainability and efficiency?

In this process, many parameters are discussed which we would like to explain on the following pages about reflector calculation and assessment, about lamps, filters and ballasts, about engineering made to measure.

We would be pleased if the following pages fulfilled their useful purpose, and provided help for our readers with one question or another. Or if they permit insights into how we understand the topic.



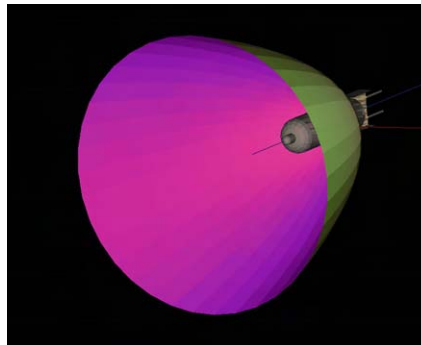
Things worth knowing about reflector technology

Types and shapes

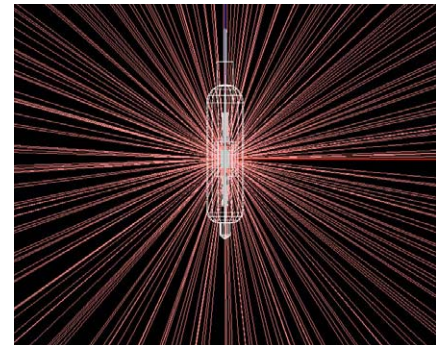
The basic reflector types

Together with the lamp, the reflector determines the light quality and the economic efficiency of a luminaire. It is its task to collect and focus the light and to direct it onto an effective area, with glare being avoided at the same time. Depending on the size, shape and material structure of the reflector, different beam angles and luminous intensity distributions are possible.

Among others, there are rotation-symmetrical reflectors and strip reflectors. The shape of a reflector is based as a matter of principle on mathematically described curves, the conic sections. In practice mostly freely calculated contours and/or mixed shapes are used in order to permit optimum light distribution for the many areas of application.



Rotation-symmetrical reflectors are produced by the rotation of a previously calculated reflector contour around any axis. They are used with point-shaped lamps.

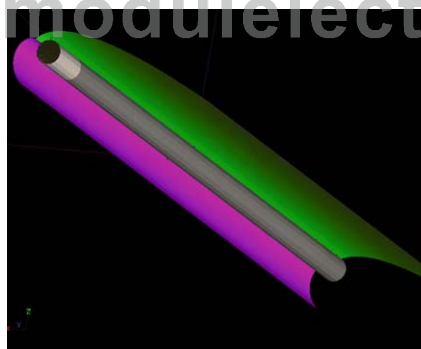


General diffusion light source

A general diffusion lamp distributes the light flux throughout the whole room.

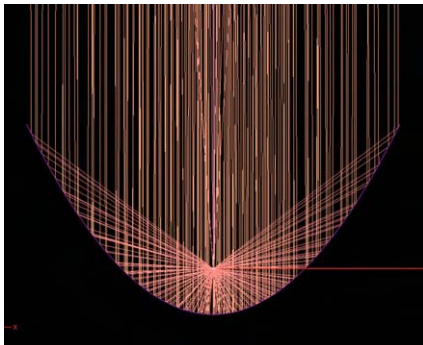
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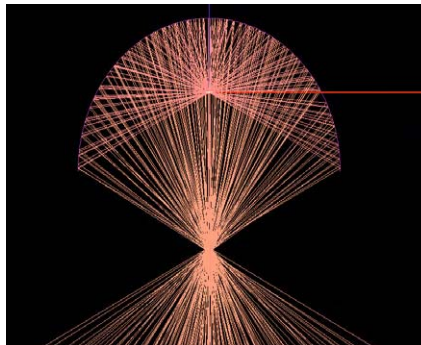
Strip reflectors are produced by the displacement of a previously calculated reflector contour perpendicular to the plane of projection. A distinction is to be made between symmetrical and asymmetrical reflectors. They are used for elongated, tubular lamps.

The basic reflector shapes



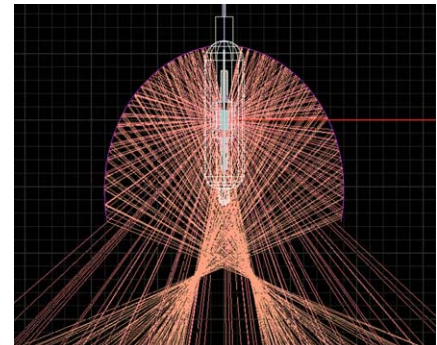
Parabola

Each parabola encloses a focal point. All of the light beams originating from this point are reflected parallel to the axis. The parabola shape generates a narrow beam angle for precisely accurate illumination.



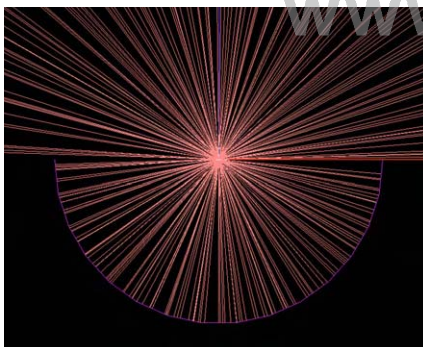
Ellipse

The special feature of the ellipsoid reflector is to be found in its two focal points. All of the beams originating from the first focal point are reflected to the second focal point. If the second focal point is in the emergence plane of a ceiling opening, it is possible to direct a lot of light through narrow apertures.



Mixed shape with Silla as the example

In practical application the curves often deviate. They are calculated freely in order to systematically comply with problem definitions. The spotlight Silla is positioned in the centre of aisle areas and illuminates rows of shelves on the right and the left at a certain height at the same time. In this case several reflector segments in a transverse direction were used.



Circle

All of the beams originating from the central point are reflected in themselves. Upon a slight displacement from the central point position a real image of the lamp is produced immediately adjacent to the original lamp. This contour is used in counter-reflector systems.



Involute

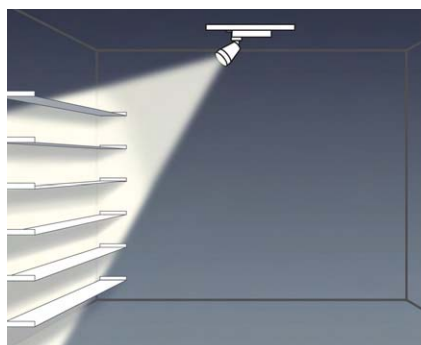
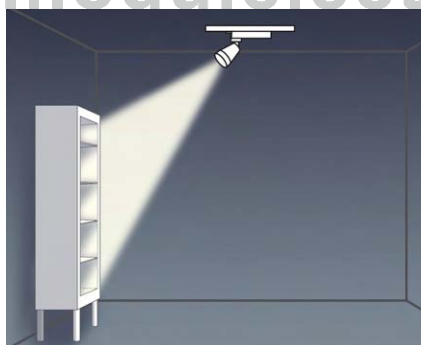
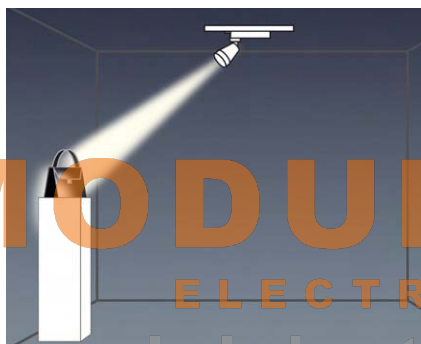
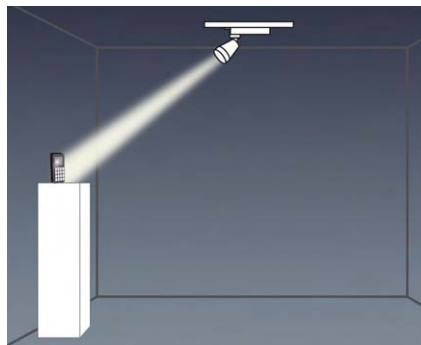
The involute is not one of the conic sections. With it every light beam tangentially leaving the intersecting plane of a tubular lamp is reflected in itself and directed around the lamp. No reflection takes place. In that way the lamp is subjected to only little wear and the efficiency is increased. The shape of the involute is used, for example, as a head reflector for fluorescent lamps.

Things worth knowing about reflector technology

On the quality of reflector calculation, Part 1

What counts with regard to the lighting in a museum or an open-plan office, is not mandatory for merchandise presentation in a department store or shop – and vice versa. The basis for the reflector calculation consists of the specific, individualised demands made by our clients, lighting designers or architects.

Technical requirement parameters are, for example, the type and wattage of the lamp, the beam angle to be achieved, the reflector diameter, the qualitative form of the light intensity distribution curve (LIDC). Further general quality requirements are: homogeneous beam pattern, appropriate glare reduction, a long product life of the lamp and the ballast equipment as well as, decisively, the energy efficiency and the light output ratio.



The matching beam angle for the lighting task

The beam angle to be achieved is obtained from the radius of the circular area which is to be illuminated and the space between the light points. Therefore the smaller the angle is the narrower/brighter the illumination of the object is, the wider the beam angle is the larger/weaker the illumination is. In shop lighting, the most varied products are illuminated – from mobile phones via the fashionable outfit as far as the shelf area. From this, demands made on the size of the cone of light are deduced. In order to cover the wide range of tasks required in actual practice, Ansong's range comprises four main reflectors.

Illustrations:

Super Spot reflector 0°– 9°
for precisely accurate scene-setting for very small items of merchandise

Spot reflector 10°–19°
for the illumination of individual objects such as bags or pictures

Medium Flood reflector 20°– 29°
for larger objects such as busts or furniture

Flood reflector 30°– 39°
for the illumination of shop window dummies or shelves

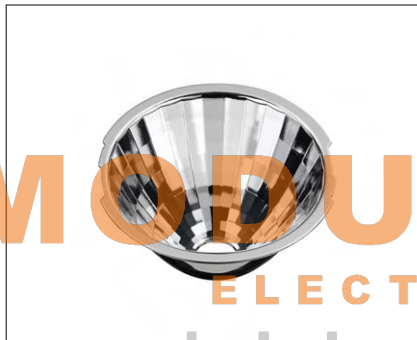
without illustration:

For wall illumination there are special wide reflector types:
Wide Flood 40°– 69°
Very Wide Flood > 70°

Reflector diameter

An important parameter for the development of the contour is the size of the reflector diameter. This can, for example, in the case of recessed luminaires, be deduced from the ceiling cut-outs. At Ansorg there are mainly standardised ceiling cut-outs of 130mm and 185mm which make the design of a homogeneous ceiling pattern possible and reduce mounting costs and times.

A further criterion is the lamp opening. It has an influence on the light output ratio. It is necessary to place the reflector as close as possible around the lamp so that no light is diffused towards the rear and lost unused.




Operating efficiency

The efficiency of reflector/luminaire systems is generally equated with the LOR (light output ratio) efficiency. However, this stands only for the quantity of light output by a luminaire. The assessment of the efficiency of a reflector exclusively according to its LOR value is one sub-aspect and can in certain circumstances produce a misleading result.

One simple example: a freely burning lamp has, for example, an LOR of 100%, but the illuminance is not sufficient for accentuated illumination of the object, because the light is distributed undirected within the room. It therefore does not illuminate the required object. A high LOR efficiency is therefore not synonymous with the optimum fulfilment of the lighting task.

On the other hand, efficiency is generally defined as the ratio of effort and performance. For reflectors, the objective is to direct as much light as possible in a required direction: what is decisive is that arrives where it is meant to arrive. At Ansorg one therefore talks of an 'application-orientated efficiency'.

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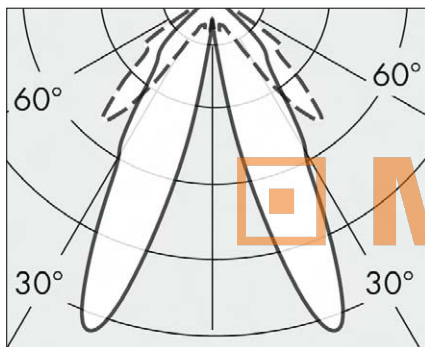
Things worth knowing about reflector technology

On the quality of reflector calculation, Part 2

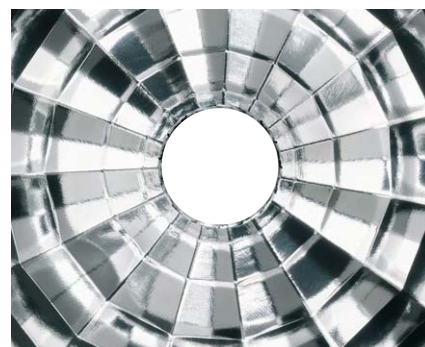
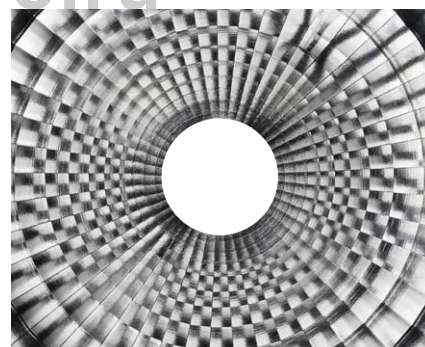
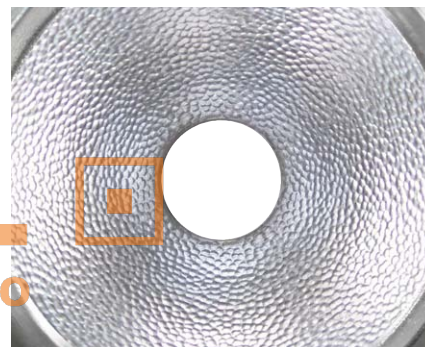
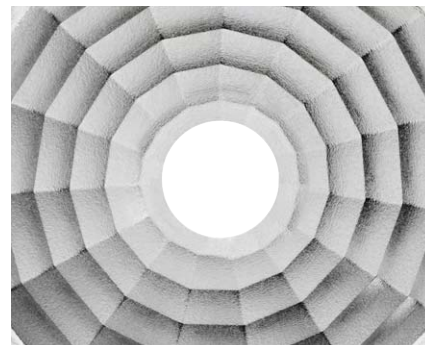
Light distribution curves

The specific distribution of the light flux arising from reflection can be pictorially presented with the help of a standardised light intensity distribution curve (LIDC). It describes the desired light distribution in the room and is a target for the development of the reflector contour.

Decisive for the light distribution curve of a reflector are the shape and size of the burner image in the reflector.



The light distribution curve shows the optimum and clearly delimited double directional beam of the luminaire Silla STL



Reflector material

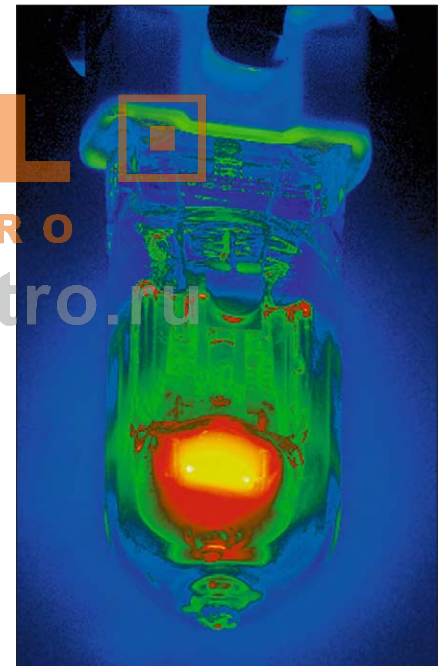
The surface also plays a part in deciding the assessment of the quality of a reflector. The degree of reflection defines its quality level: simple solid aluminium material has a high degree of reflection reaching 85%, high-grade reflector material provides degrees of reflection of 95% and above.

By means of different surface structures, further possibilities are obtained for the optimisation of the light beam pattern.

- Roughening (sandblasting)
(figure 1)
- Microstructures (ball indentations)
(figure 2)
- Plane facets in the circumferential direction
(figure 3)
- Plane facets in the contour direction
(figure 3)
- Convex facets in the contour direction
(figure 4)
- Convex facets in the contour and circumferential directions
(without figure)

Verification of the reflector contour

On the basis of the contours calculated beforehand, the contours prepared are read in with a separate simulation program and theoretically evaluated with a real light source and, if necessary, corrected. At the beginning of the simulation, a high-gloss surface material is used that reacts particularly sensitively. The result of the simulation is a light distribution curve which serves as an assessment and decision-making basis before production of the tool or sampling takes place.

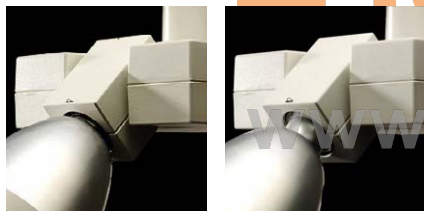


Things worth knowing about reflector technology

Selected product examples

Focusable reflector with Boxx as the example

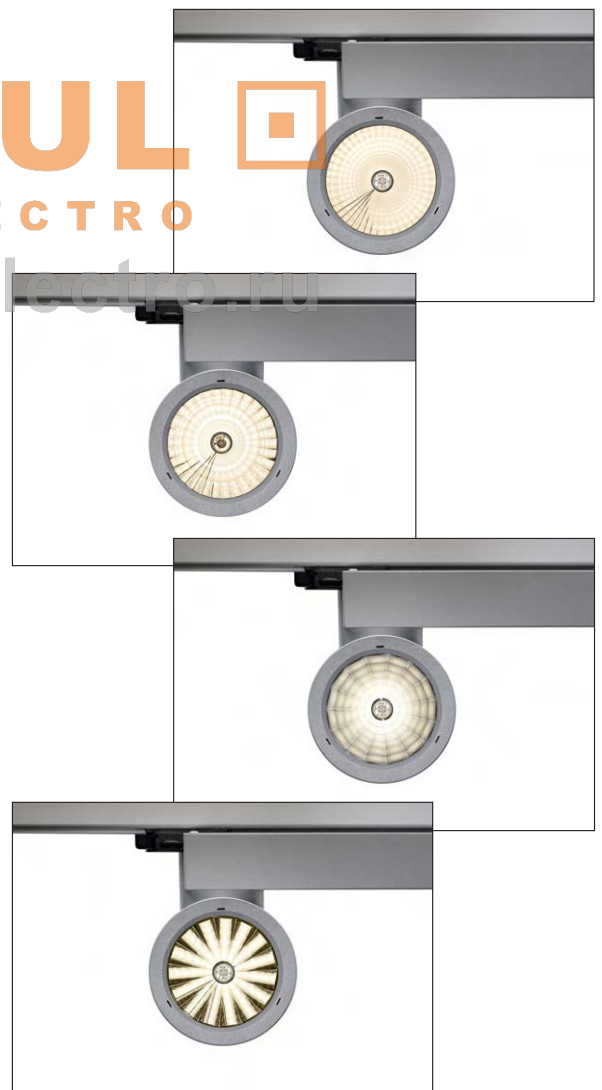
This flexible luminaire provides the functions general, ambient lighting and accent lighting in one product. What is special about Boxx is its user-friendly technology: the spotlight can be focused without the use of tools and infinitely variably from 20° to 50°. By means of simple turning of the reflector, you can achieve different light beam patterns – whether narrowly accentuated or wide beamed. Different beam angles are therefore possible without a change of reflector and this is advantageous in sales rooms with varying positioning of merchandise. The high-grade reflector material is sand-blasted and minimises scattering losses.



By means of infinitely variable reflector adjustment, the beam angle of the light changes, leading to a narrower or wider light distribution.

Interchangeable reflectors with Brick as the example

The option of a large variety of interchangeable reflectors characterises the Ansorg range. The luminaire Brick is compatible with different reflectors – achieved with a uniform burning position. Four reflectors with faceted surfaces and four different beam angles are available. By means of the easy and user-friendly reflector replacement, Brick permits the performance of all tasks: from point accent lighting to large-area scattered lighting.

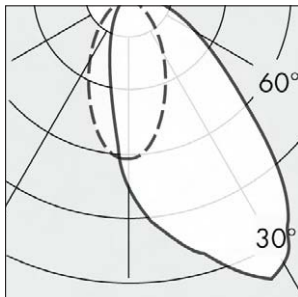
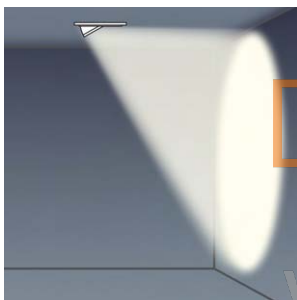


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Homogeneous wall illumination with Bola as the example

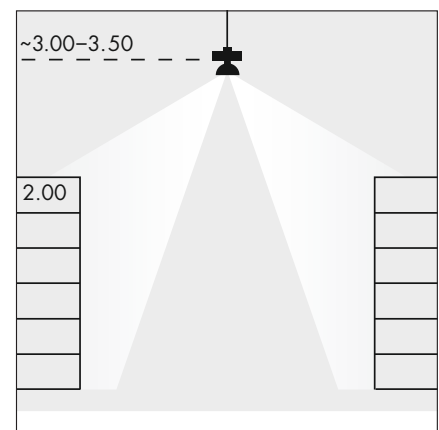
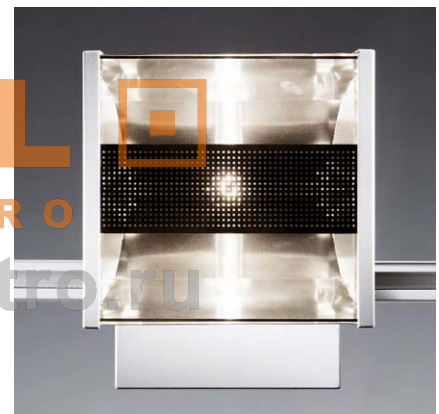
The luminaire Bola provides, by means of the tilted forward 2-component reflector, a homogeneous, and full-area light distribution on the walls – as far as the ceiling. The light quality and the large-area light distribution additionally permit large spaces between luminaires in lighting design, thus reducing investment and running costs.



The asymmetrical lighting distribution produces optimum illumination of the peripheral area.

High-grade reflector material with Silla as the example

The spotlight Silla designed for aisle area and shelf lighting is equipped with ultra-high-grade reflector material. This aluminium material has an extremely high degree of reflection of up to 95%. As a result, scattering losses are minimised and the light quality is increased. Also in the case of large spaces between luminaires, the homogeneous illumination is included to the full extent, a fact indicating great economic efficiency. Silla provides three reflector types as variants for different areas of use.



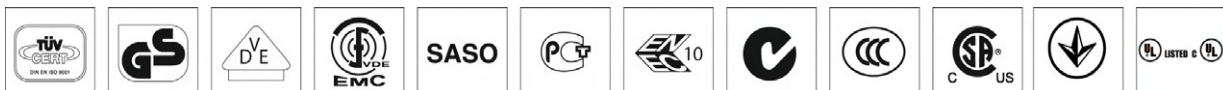
Things worth knowing about standards and safety

Ansorg's lighting laboratory is a home advantage. Its equipment includes a computer-controlled goniophotometer with an additional CCD camera: in that way the beam angle, light distribution, luminance, operational efficiency (LOR) of luminaires as well as the spectral distributions of lamps are determined according to standard. The lighting laboratory provides our engineers with excellent conditions for exploring, analysing and improving developments and products. At the same time, an important aspect is that the lighting technology requirements are not only achievable, but also reproducible.

Ansorg luminaires naturally comply with all standards concerning safety. Authoritative standards are the European standards for equipment safety (EN 60598) and the German Electromagnetic Compatibility Act. This is confirmed by the certificates from many test institutes, including international ones. Our aspirations go far above the basic requirements of these standards and are documented in our own company standards. So that Ansorg products can satisfy the increasingly stringent demands, the involvement in specialist committees and working groups of ZVEI, LiTG and DGNB (German Sustainable Building Council) is a further, future-orientated quality criterion.



Computer-controlled goniophotometer in the Ansorg lighting laboratory



Things worth knowing about LED technology

Generation of light





In an LED lamp (light-emitting diode) there are, besides negative electrons (-), the positive charges (+). These opposing charges generate, upon their neutralisation, visible light and heat. The LED energy balance is approximately 20% light and 80% heat, i.e. there is hardly any heat radiation in the form of IR light.

The heat produced must, however, be discharged from the semi-conductor material elsewhere, by means of active or passive cooling. That LED technology does not involve any thermal load for the luminaire system is, therefore, not correct.





Colour temperature of light

There are two LED type classes: one for 'warm' and one for 'cold' LED colour temperatures

Type class 1

-  626 nm Red
-  615 nm Red orange
-  605 nm Orange
-  590 nm Amber

Type class 2

-  525 nm Green
-  505 nm Blue green
-  495 nm Turquoise
-  450 nm Blue

How is white light produced?

There are two practices applied for generating white light from coloured LEDs.

With the first variant, the light of a blue LED is converted into white light with the help of a conversion layer (mostly phosphorus). The second possibility is the RGB principle and in this case red, green and blue LEDs are mixed to produce white light.

Binning

The method for the formation of colour classes and light flux classes in LED production is called 'binning'.

A 'bin' comprises several LEDs of approximately identical light colour temperature and/or identical light fluxes. Quality-orientated producers design their bins on a very narrow-mesh basis in order to keep the variance of colour temperatures within one bin as low as possible. Binning is a time-consuming and costly process – quality has its price

Temperature characteristics and product life

The light flux of an LED rises almost linearly with the power consumption. Unlike an HIT lamp which, with increasing heating up also emits more light, the light flux of the LED drops off with increasing heating up, as does the product life.

The mean product life of the LED chip, often stated as being 100,000 hrs, plays only a subordinate role in lighting practice. What is important here is the definition of the drop in the light flux over the service life of an LED. This results in real effective product lives of 35,000 – 50,000 hours. In order to achieve this target value, good heat management is an absolutely essential prerequisite.

Things worth knowing about LED technology in practice

Luminaire development with LEDs

- Since LEDs entail hardly any thermal radiation, the heat must be dissipated by means of intricate heat sinks or an active cooling system
- LED technology necessitates new reflector design, as an LED hardly protrudes into the reflector. Hence the light directing has to be re-defined.
- At present there are hardly any standardised LED solutions on the market.
- The availability is not always guaranteed
- LEDs and LED modules differ very widely with regard to the structural shape and the quality
- Ballasts for the latest LEDs are not yet available
- The replacement of an LED is, unlike conventional lamps, not necessary.

Advantages of LED technology

- It produces UV/IR-free light and so there is, in comparison with conventional lamps, no thermal radiation to the illuminated object
- Due to the hemispherical radiation pattern of the LED, no directing of the light flux around the light source is necessary. At this point there is no light loss as a result of which the efficiency of the LED rises
- It revolutionises light in its controllability. For example coloured and dynamic colour light can be generated and the LED light flux can be completely dimmed. The full light flux is, moreover, available immediately after switching-on.
- It shows marked advantages in power consumption as compared with low-voltage halogen luminaires or luminaires for compact fluorescent lamps
- It has a long product life of up to 50,000 hrs, permitting long maintenance intervals
- It is vibration and shock-proof
- It also permits new structural shapes in luminaire development

LED in comparison with HIT

Focused on at this point is above all the assessment of the LED technology at the present stage of development (December 2010) as compared with the HIT technology.

As the table on the right makes clear, in the case of certain values a marked discrepancy can be seen. Especially in the case of the light-source efficacy and the illuminance, the HIT technology remains superior now as before.

The current spate of development of LED products by the most varied manufacturers can quite possibly yield products which, regarding individual criteria, show markedly better values. Ansorg's on-going market monitoring is aimed, however, at the development of a high-quality LED module that meets the requirements regarding all quality criteria.

Hence, depending on our customer's requirement, the HIT technology is often superior to the LED technology, e.g. if importance is explicitly attached to the highest possible colour rendition.

Ansorg's already formulated philosophy requires reliable and safe quality that provides the customer with a high-class lighting solution in the medium and long terms.

Things worth knowing about the selection of the lamps

Also in the case of the lamps we recommend quality is given top priority. Only if they meet the requirements stated, are they used. Stipulations for optimum lighting effect involve,

for example, the light flux, the colour rendition and the light colour temperature. In this connection, we are dedicated to weighing up all of the criteria for the individual case and to making the

correct choice. Our clients can have confidence in our many years of experience and expert knowledge. Ansong relies on the suppliers which are the market leaders as regards technology.

Luminaire	Downlight with compact fluorescent lamp	Downlight with low voltage halogen lamp	Downlight with metal halide lamp	Downlight with LED module
Lighting technology	TC-TEL	QT-LP 12 IRC	HIT G 8.5	LED module
Wattage	42 W	50 W	35 W	33 W
Light flux	3.200 lm	1250 lm	3800 lm	2000 lm
Light-source efficiency	76 lm/W	25 lm/W	109 lm/W	60 lm/W
Colour rendering index (CRI)	80	100	90	80
Colour temperature	3000 K	3000 K	3000 K	3000 K
System wattage	46 W	53 W	42 W	34 W
LOR*	0,6	0,7	0,7	0,9
Illuminance*	480 lx	220 lx	665 lx	450 lx

Light output ratio LOR* = light-source efficacy of the luminaires
Luminous intensity * = mean luminous intensity over an area of 4m²

The table shows the main features for the selection of the lighting technology and/or of the lamp. The list includes the lighting technologies primarily used in the market. The values stated refer to the stage of development in December 2010.

Things worth knowing about selection of the right filters

Mood filters create atmosphere.

Besides the reflector and the lamp, from case to case the filter also plays a part. In this combination lies the recipe for a presentation with the right colour.

The coatings of these Mood filters, also referred to as conversion filters, vary the colour rendition with different intensities. Their uses emphasises, for example, desired colours of main areas or underlines colour moods.

In the area of food retail, Ansorg relies on the Mood filter technology in combination with HID lamps which are markedly more efficient than filter technology in combination with HST technology.



Comparison picture with safety glas

Rosé Filter



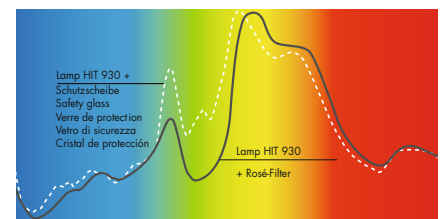
This combination positively emphasises the colour rendition in the red range. The rosé filter reduces colour portions in the green range.

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Can be recommended for

- sausage products
- meat products
- pink shades in pastries/confectionery
- In combination with pure white lighting colours (942) suitable for fish/seafood

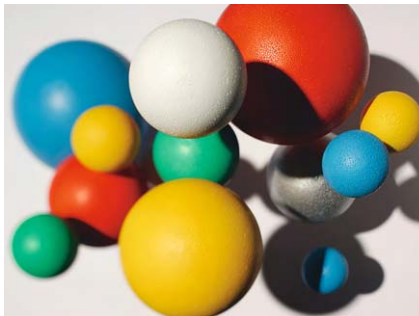


Bordeaux Filter



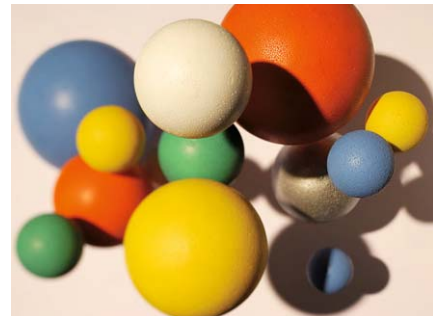
This combination intensifies the desired red portions in the colour spectrum.

Sun Filter



This combination accentuates the colour rendition in the yellow/orange range. The filter reduces portions in blue. As the name says, the filter ensures a sunny mood.

Gold Filter



With a gold shade, the colour spectrum of the merchandise presented is intensified.

Can be recommended for

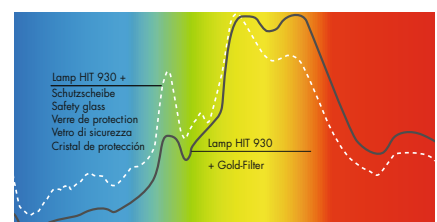
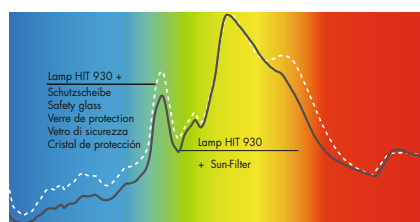
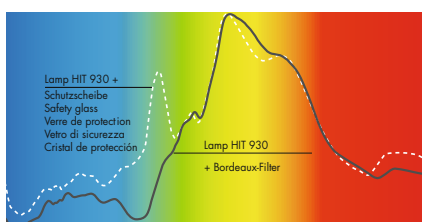
- fresh meat

Can be recommended for

- fruit and vegetables
- flowers
- health and beauty
- fashion
- sport and leisure
- opticians
- gastronomy
- furniture

Can be recommended for

- leather goods, shoes
- wood
- cheese and bakery products
- tobacco products
- brown tones in pastries/confectionery
- bookstores
- homestores
- earthy colours in gastronomy



Things worth knowing about ballast technology

Long product life, simple installation

For HIT lamps a new generation of conventional (KVG) and electronic (EVG) ballasts is in use. Technical innovations increase the product lives of the ballasts and set new safety standards. They are extremely practical as regards installation and since very recently they have been available in almost all wattages.

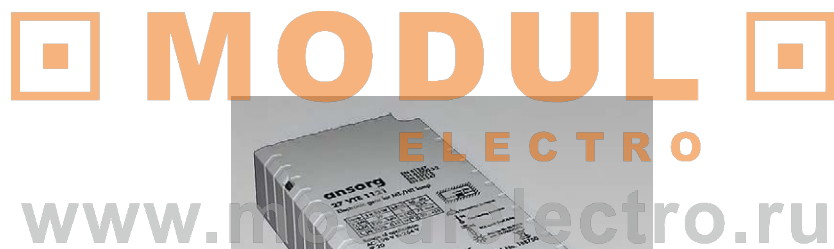
Protection from overvoltage and overheating

Overloaded voltage networks and voltage peaks are increasingly reducing product lives. The new electronic ballasts are protected from high voltage pulses of up to 2,500 volts, standard equipment is merely for 1,000 or 2,000 volts.

Excessively high ambient temperatures can heat up and destroy a ballast. The new products are rated for +55°C. As soon as the temperature rises further they switch off automatically and switch on again by themselves after the programmed cooling-down phase.

EOL (end of life) cut-off

As soon as the lamp has reached the end of its useful life and the lighting quality deteriorates, the ballasts cut off automatically. There is no flickering, the system is not overheated and the user on the spot immediately realizes when a lamp has to be replaced.



Longer product lives.

The technical advantages result in a longer service life which saves the need for frequent replacement of the ballasts and indicates economic efficiency. The conventional ballasts have an average product life of 50,000 hours at an ambient temperature of 50°C. In the case of electronic ballasts even a minimum product life of 30,000 hours is guaranteed.

Simple installation with plug & play.

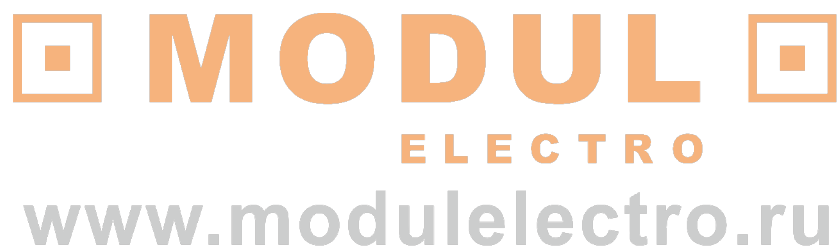
Connecting up the luminaire is very easy. The integrated jack for the Wieland safety plug system permits direct connection of the luminaire and mains cable to the ballast. This results in a flexible and simple change of wattage, e.g. from 35 W to 70 W. This aspect is of importance particularly for constantly changing display and decoration spaces in retail areas.



Lighting technology made to measure.

One of our specialities is the development and production of individual special luminaires. For a good reason, since for our customers the result is an unmistakable element of corporate identity, an independent part of corporate culture: luminaires that contribute their share to the unique position and differentiation in competition. Via the design, or via the function: those rather nondescript luminaires that solve complex problems on the spot, provide innovative approaches and combine quality with economic efficiency.

This problem definition is related to real challenges. For this, in the everyday work of the company not only many years of experience and high flexibility are required, but especially staff with expert knowledge, in order to put the concepts into practice without any problems. Many successful projects are for us definitive proof of the fact that theory intermeshes with practice: for internationally expanding fashion brands, ultra-modern shopping malls, airports and cultural centres.





Beam angle

The beam angle is the opening angle of the light beam of a luminaire or reflector lamp. It is determined by the type of construction of the reflector. Luminaires with a small beam angle produce small, brightly illuminated areas. Light sources with a wide beam angle produce large, but less brightly illuminated areas. In the opening angle the luminous intensity drops off to half of the maximum value.

For homogeneous illumination, wide beam luminaires with large beam angles must be used. For accent lighting as a rule narrower beam light is necessary. The characteristic of wide beam light with larger beam angles is designated as 'Flood' and 'Wide flood', that of narrow beam light with a small beam angle – for example 10° – is referred to as 'Spot'.

Ansorg distinguishes between six main beam angles:

- Superspot 0°–9°
- Spot 10°–19°
- Medium flood 20°–29°
- Flood 30°–39°
- Wide flood 40°–69°
- Very wide flood >70°

Illuminance

Illuminance (letter symbol: E, unit of measure: lux) defines how much light – from a lighting technology point of view more precisely how much light flux (in lumens) – falls on a certain area: it amounts to one lux, if the light flux of one lumen homogeneously illuminates an area of one square metre.

The illuminance is measured with an illumination photometer on horizontal and vertical surfaces. It does not, however, precisely describe the brightness impression of a room, as this depends mainly on the reflection characteristics of the room surfaces. In that way a white room appears, with the same illuminance, brighter than a dark one.

CCD camera

CCD stands for charge-coupled device, a semi-conductor technology.

A CCD camera is an image-resolving luminance measuring camera.

Colour temperature

The light colour temperature of a lamp is described by the colour temperature in Kelvin (K). The commonly used lamps have colour temperatures in the order of magnitude of less than 3,300 Kelvin (warm white), 3,300 to 5,300 Kelvin (neutral white) to less than 5,300 Kelvin (daylight white).

Colour rendering index (CRI)

The colour rendition of a lamp characterizes the colour effect which its light brings about on objects or persons. It is rated with the general colour rendering index Ra. This indicates how naturally colours are rendered in the light of a lamp.

The colour rendering index is derived from eight frequently occurring test colours. Ra = 100 stands for the best value; the lower the index is, the worse are the colour rendition characteristics. Lamps with an Ra-index of less than 80 should not be used indoors.

Goniophotometer

A goniophotometer is a laboratory device for the measuring of room luminous intensity distributions.

Lamp wattage

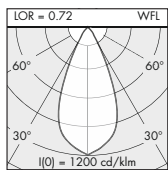
The power consumption (also lamp wattage) describes the electric power in watts (W) consumed by a lamp or a ballast. In the case of low-pressure and high-pressure discharge lamps, the addition of lamp wattage and power consumption of the ballast give the system wattage.

Luminous intensity/ luminous intensity distribution

The luminous intensity (letter symbol: I) is the part of the light flux that radiates in a certain direction. It is measured in candela (cd).

The spatial distribution of the luminous intensity (luminous intensity distribution) characterises the luminous exitance of luminaires and reflector lamps. The luminous intensity distribution is presented graphically in the form of curves, the luminous intensity distribution curves (LIDC).

Presentation of the photometric data:



Polar diagram

If the luminous intensity (candela, cd) in the room (or within the planes) around the lamp or luminaire are measured and recorded, the luminous intensity distribution is obtained. This photometric curve is presented in what is referred to as a polar diagram. The luminous intensity is standardised to a lamp luminous flux of 1000 lm.

h[m]	E[lx/klm]	
1.0	86	1200
2.0	172	300
3.0	258	135
4.0	344	75
a[cm]		

Illuminance cone

The illuminance cone is used to illustrate the beam patterns of rotation-symmetrical luminaires. It describes the light bundle emitted at one-half-peak-divergence or half-value angle. This is the term used for the aperture angle at which maximum luminous intensity is halved. In general the maximum value is achieved at a beam angle of 0°.

The illuminance cone diagram shows illuminance available within an area delimited by the half-value angle (light cone diameter) for various mounting heights. The illuminance values E (lx) refer to the centre of the illuminance cone.

m	E[lx/klm]	
0.10	25	5
0.25	2120	10
0.50	1385	530
0.75	90	1590
1.00	20	345
1.50	5	20
2.00	2	4

Chart wall
illuminance

For asymmetrical luminaires, illuminance values are given for different mounting heights and distances between walls. The illuminance values likewise refer to the centre of the illuminance cone.

Light-source efficacy

Light-source efficacy is the measure of the economic efficiency of a lamp. It states how much luminous flux in lumens (lm) per watt (W) of its power consumption a lamp generates. The higher the ratio of lumens/watts, the better a lamp applies the energy introduced. Here are some examples:

- Metal halide lamp 100lm/W,
- Halogen lamp 30lm/W,
- Compact fluorescent lamp 75lm/W,
- Tubular fluorescent lamp 100lm/W.

Light flux

The light flux or luminous flux – measured in lumens (lm) – is the luminous efficacy of a lamp. It describes the output radiated by the light source in all directions in the visible range.

Luminance

The luminance (letter symbol: I) is the measure of the brightness impression that the eye gains from a luminous or illuminated area. The luminance is measured in candelas per unit area (cd/m²).

Operational efficiency (LOR)

The operational efficiency or light output ratio states how much of the luminous flux generated by a lamp actually leaves the luminaire. The type of directing of the lamp's luminous flux and the thermal conditions inside the luminaire determine the light output ratio.

Degree of reflection

The degree of reflection states what percentage of the light flux falling on a surface is reflected. Light surfaces have a high degree of reflection and dark ones have a low degree of reflection: white walls reflect up to 85% of the light, panelling in light coloured wood still up to 35%, red bricks, on the other hand, only up to 15%. Conclusion: the darker a room is furnished, the more light is required to achieve the same illuminance on the working plane.

Marks of conformity



Safety class I:
Luminaires for connection to the mains-end protective conductor



Safety class II:
Luminaires without connection to the mains-end protective conductor



Safety class III:
Luminaires for operation with protective low voltage

IP20

Enclosure type

IP 20 : protected from solid foreign bodies > 12mm; no protection from water



Use of the luminaire possible in/on normally flammable fastening surfaces



MM mark: Luminaire suited for installation into furniture



European mark of conformity



National mark of conformity



Safety tested in accordance with the Act on Appliance and Product Safety (GPSG)



Electromagnetic compatibility (EMC)



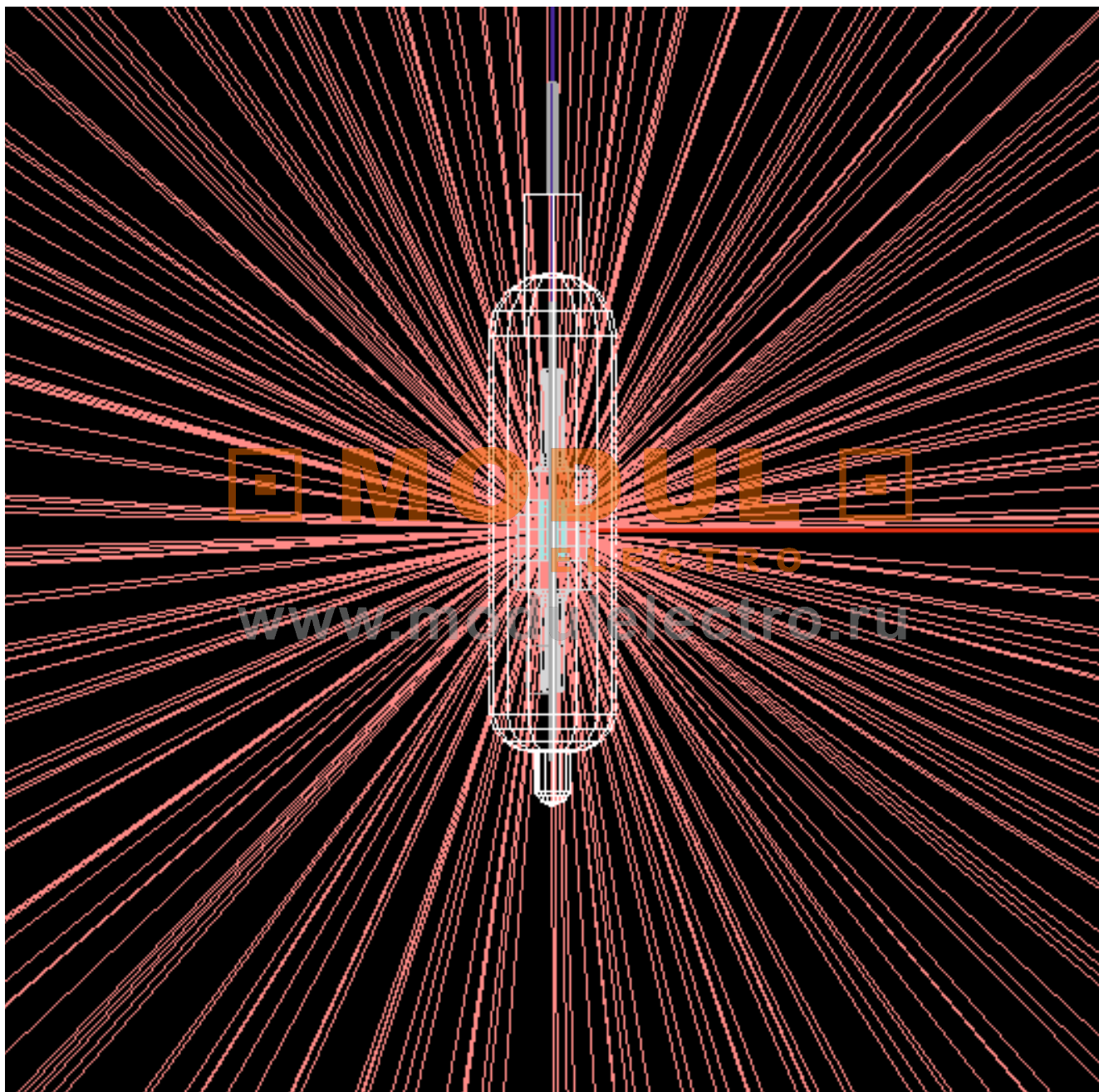
Russian mark of conformity



Ukrainian mark of conformity

SASO

Registration for Saudi Arabia



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Lighting Tools Compendium

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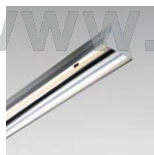
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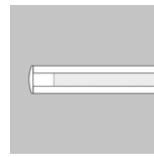
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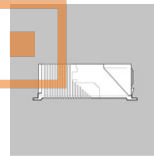
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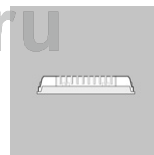
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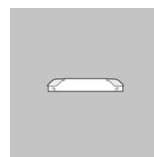
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Take 773

- Economic efficiency and long product life due to a high-quality luminaire housing made of diecast aluminium
- Optimised reflector technology for brilliant light quality and high efficiencies
- Abundant accessories such as Mood filters and glare reduction attachments. Maintenance and user-friendly and can be fitted without the use of tools
- Sophisticated, unmistakable design

Bit 777

- Neutral, unobtrusive use of shapes
- Particularly economical spotlight with a light output ratio of up to 80%
- Material selection from the point of view of sustainability
- Very good price/performance ratio (low investment per klm)
- Large variety of accessories such as Mood filters and various attachments for glare reduction

Boxx 781

- Geometrical, graphic design
- Zoom reflector with infinitely variable beam angle permits the adjustment of the light beam to every requirement with only one movement of the hand
- The flat structure of the spotlight is suitable particularly for low room heights - also in the tilted-out state

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Cardo 7119

- Technical design
- Gimbal-mounting permits the directing of the light in any direction desired
- Two lighting heads in one product and the possibility of combining various lighting technologies reduce the number of luminaires
- Housing position permits stringent ceiling design

Stage 7125

- Spotlights of theatre stage-type design
- Accessories for dramaturgical lighting effects at the point of sale
- For accent lighting and scene-setting for special areas

Silla 7129

- Technical design
- One housing - three reflector types - three applications
- The reflector is the shape-determining element
- Economical lighting solutions for the food area
- Homogeneous, vertical shelf lighting and non-glare aisle illumination
- Efficient reflectors permit large distances between luminaires and reduce the number of luminaires
- Product family with a large variety of mounting possibilities
- Design networking with Boxx and Sino

Spotlights

Features and Benefits

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Velo 793

- Compact, organic use of shapes
- Integrated temperature separation between reflector and ballast
- equipment in a very confined space: this results in a higher product life for all of the components and at the same time makes a compact structural shape possible
- Efficient reflectors and a high light output reduce the number of luminaires required



Brick 799

- Geometrical, pure design
- Qualitatively high-grade material version made of diecast aluminium permits optimum accuracy of fit
- The position of the tilting mechanism at only one point makes it possible to use it as a directional spotlight or as a downlight
- Design networking with the product lines Lightstripe and Vario

Tecno 7111

- Reduction to a basic geometrical shape
- Facelift: greater economic efficiency due to the use of low-loss electronic ballast equipment with optimised reflector efficiency
- Large variety of accessories permits different lighting scenarios

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		Take	Bit
		∅ 73	∅ 77
Mounting	with adapter	<input type="checkbox"/>	<input type="checkbox"/>
	with ceiling box	<input type="checkbox"/>	<input type="checkbox"/>
	for recessed mounting	<input type="checkbox"/>	<input type="checkbox"/>
	for suspended mounting	<input type="checkbox"/>	<input type="checkbox"/>
	for wall mounting	<input type="checkbox"/>	<input type="checkbox"/>
Lighting technology	QT-LP12/GY6.35 max. 90 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G12 35 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G12 70 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G12 100 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G12 150 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G8.5 20 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G8.5 35 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/G8.5 70 W	<input type="checkbox"/>	<input type="checkbox"/>
	HIT/GU6.5 20 W	<input type="checkbox"/>	<input type="checkbox"/>
	HST/GX12-1 50 W	<input type="checkbox"/>	<input type="checkbox"/>
	HST/GX12-1 100 W	<input type="checkbox"/>	<input type="checkbox"/>
	LED	<input type="checkbox"/>	<input type="checkbox"/>
Ballast	electronic ballast incl.	<input type="checkbox"/>	<input type="checkbox"/>
	conventional ballast incl.	<input type="checkbox"/>	<input type="checkbox"/>
	electronic transformer incl.	<input type="checkbox"/>	<input type="checkbox"/>
Type of reflector	SSP	<input type="checkbox"/>	<input type="checkbox"/>
	SP	<input type="checkbox"/>	<input type="checkbox"/>
	SP-MFL	<input type="checkbox"/>	<input type="checkbox"/>
	SP-WFL	<input type="checkbox"/>	<input type="checkbox"/>
	MFL	<input type="checkbox"/>	<input type="checkbox"/>
	MFL-VWFL	<input type="checkbox"/>	<input type="checkbox"/>
	FL	<input type="checkbox"/>	<input type="checkbox"/>
	WFL	<input type="checkbox"/>	<input type="checkbox"/>
	VWFL	<input type="checkbox"/>	<input type="checkbox"/>
	DDF	<input type="checkbox"/>	<input type="checkbox"/>
	PSW	<input type="checkbox"/>	<input type="checkbox"/>
	AF	<input type="checkbox"/>	<input type="checkbox"/>





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Spotlights Take



The spotlight TAKE embodies modern, sophisticated design and brilliant light quality. Innovative convex faceted reflector technology provides TAKE with very high operational efficiencies and produces brilliant, non-glare presentation light. This is successful even at low wattages starting from 20 watts - a convincing sign of high energy efficiency. The horizontal arrangement of the ballast housing and the lighting head makes the spotlight, with its very low mounting height, appear compact and, at the same time, light. TAKE, moreover, brings along an abundant range of accessories such as Mood filters and glare-reduction attachments. All of the accessories can be fitted easily and without the use of tools. Not least, TAKE impresses with its ease of maintenance and user-friendliness.

- Economic efficiency and long product life due to a high-quality luminaire housing made of diecast aluminium
- Optimised reflector technology for brilliant light quality and high efficiencies
- Abundant accessories such as Mood filters and glare reduction attachments. Maintenance and user-friendly and can be fitted without the use of tools
- Sophisticated, unmistakable design

Spotlights Compendium Take



Take TKC
∅ 75

Mounting	with adapter	•
Lighting technology	HIT/G8.5 20 W	•
	HIT/G8.5 35 W	•
	HIT/G8.5 70 W	•
Ballast	electronic ballast incl.	•
Type of reflector	SP	•
	MFL	•
	FL	•
	WFL	•

MODULO
ELECTRO

www.modulelectro.ru

Spotlights Take TKC



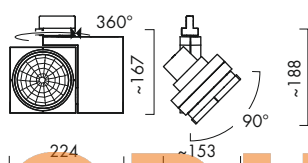
- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(23)W, 35(42)W, 70(80)W
- Weight 1.6 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter

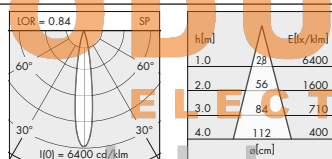


electronic ballast incl.
20 W
35 W
70 W

Article numbers
02 TKC 812-...
02 TKC 112-...
02 TKC 212-...

+ Reflector HIT/G8.5

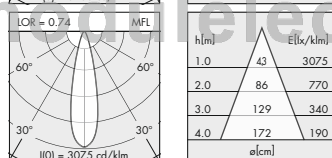
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIW 610-...
17 HIW 610-SN-...
17 HIW 610-GD-...
17 HIW 610-RS-...
17 HIW 610-BD-...

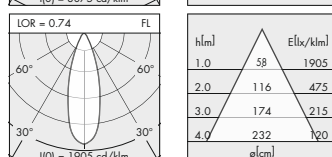
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIW 410-...
17 HIW 410-SN-...
17 HIW 410-GD-...
17 HIW 410-RS-...
17 HIW 410-BD-...

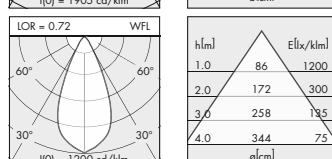
FL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIW 210-...
17 HIW 210-SN-...
17 HIW 210-GD-...
17 HIW 210-RS-...
17 HIW 210-BD-...

WFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIW 110-...
17 HIW 110-SN-...
17 HIW 110-GD-...
17 HIW 110-RS-...
17 HIW 110-BD-...

+ Lamps

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Glare reduction asymmetric	black	17 ZR 0001
Glare reduction cylindric	black	17 ZR 0002
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



MODUL
ELECTRO
www.modul-electro.ru



Spotlights

Bit



In the form of the surface-mounted spotlight BIT, the product range was extended by a very economical and efficient spotlight. By the use of high-grade components and reflectors a light output ratio of more than 80% was achieved. The neutral, unobtrusive use of shapes makes it possible for BIT to be used in a variety of ways. The choice of materials was made especially from the points of view of sustainability and environmentally compatible disposal. In addition, BIT impresses with its wide range of accessories such as interchangeable reflectors, Mood filters and glare-reduction attachments which can all be replaced without the use of tools.

- Neutral, unobtrusive use of shapes
- Particularly economical spotlight with a light output ratio of up to 80%
- Material selection from the point of view of sustainability
- Very good price/performance ratio (low investment per klm)
- Large variety of accessories such as Mood filters and various attachments for glare reduction

Spotlights Compendium Bit



Bit BTC
79

Mounting	with adapter	•
Lighting technology	HIT/G8.5 20 W	•
	HIT/G8.5 35 W	•
	HIT/G8.5 70 W	•
Ballast	electronic ballast incl.	•
Type of reflector	SSP	•
	SP	•
	MFL	•
	FL	•
	WFL	•

MODUL
ELECTRO

www.modulelectro.ru

Spotlights Bit BTC



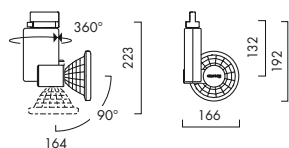
- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(23)W, 35(42)W, 70(80)W
- Weight 0.9 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



electronic ballast
incl. 20 W
35 W
70 W

Article numbers
02 BTC 812-...
02 BTC 112-...
02 BTC 212-...

+ Reflector HIT/G8.5

Reflector Type	LOR	Beam Angle	Beam Diameter (elcm)	Beam Height (hlm)	Beam Illuminance (Elx/klm)	Beam Intensity (I(0) cd/klm)	Accessories	Article Numbers
SSP	0.83	60°	24, 36, 48	1.0, 2.0, 3.0, 4.0	2, 4, 6, 8	17245	Safety glass incl. Mood-Filter Sun incl. Mood-Filter Gold incl. Mood-Filter Rose incl. Mood-Filter Bordeaux incl.	17 HIT 810-... 17 HIT 810-SN-... 17 HIT 810-GD-... 17 HIT 810-RS-... 17 HIT 810-BD-...
SP	0.82	60°	28, 36, 48	1.0, 2.0, 3.0, 4.0	28, 56, 84	6580	Safety glass incl. Mood-Filter Sun incl. Mood-Filter Gold incl. Mood-Filter Rose incl. Mood-Filter Bordeaux incl.	17 HIT 610-... 17 HIT 610-SN-... 17 HIT 610-GD-... 17 HIT 610-RS-... 17 HIT 610-BD-...
MFL	0.69	60°	44, 56, 68	1.0, 2.0, 3.0, 4.0	44, 88, 132	2780	Safety glass incl. Mood-Filter Sun incl. Mood-Filter Gold incl. Mood-Filter Rose incl. Mood-Filter Bordeaux incl.	17 HIT 410-... 17 HIT 410-SN-... 17 HIT 410-GD-... 17 HIT 410-RS-... 17 HIT 410-BD-...
FL	0.71	60°	59, 71, 83	1.0, 2.0, 3.0, 4.0	59, 118, 177	1890	Safety glass incl. Mood-Filter Sun incl. Mood-Filter Gold incl. Mood-Filter Rose incl. Mood-Filter Bordeaux incl.	17 HIT 210-... 17 HIT 210-SN-... 17 HIT 210-GD-... 17 HIT 210-RS-... 17 HIT 210-BD-...
WFL	0.67	60°	88, 100, 112	1.0, 2.0, 3.0, 4.0	88, 176, 264	1020	Safety glass incl. Mood-Filter Sun incl. Mood-Filter Gold incl. Mood-Filter Rose incl. Mood-Filter Bordeaux incl.	17 HIT 110-... 17 HIT 110-SN-... 17 HIT 110-GD-... 17 HIT 110-RS-... 17 HIT 110-BD-...

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Glare reduction asymmetric	black	17 ZR 0001
Glare reduction cylindrical	black	17 ZR 0002
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



Spotlights



Boxx

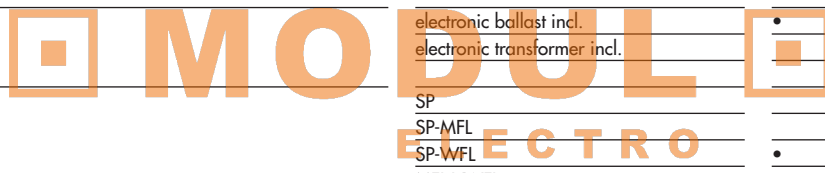


The product philosophy of “the reflector as a luminaire” has been taken a step further with Boxx. The shape concentrates on essentials, while the function is based on high-quality lighting and electrical equipment. What is special about Boxx is the continuous adjustment of the focusing from narrow to wide beam carried out without any change of reflector which means that this is an extremely user-friendly design. Due to its flat shape this spotlight is suitable for areas with low ceilings.

- Geometrical, graphic design
- Zoom reflector with infinitely variable beam angle permits the adjustment of the light beam to every requirement with only one movement of the hand
- The flat structure of the spotlight is suitable particularly for low room heights - also in the tilted-out state

Spotlights Compendium Boxx

			
		Boxx LTL ↗ 84	Boxx LTL ↗ 85
Mounting	with adapter	•	•
Lighting technology	QT-LP12/GY6.35 max. 90 W		
	HIT/G12 35 W	•	•
	HIT/G12 70 W	•	•
	HIT/G12 100 W		
	HIT/G12 150 W	•	
	HIT/GU6.5 20 W		
	HST/GX12-1 50 W		
	HST/GX12-1 100 W		
Ballast	electronic ballast incl.	•	•
	electronic transformer incl.		
Type of reflector	SP		•
	SP-MFL		
	SP-WFL	•	
	MFL-VWFL		
	VWFL		

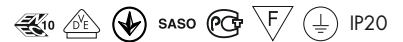

www.modulelectro.ru

Spotlights Boxx LTL



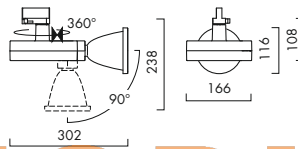
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- focusable reflector
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, 150(163)W
- Weight 1.6 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



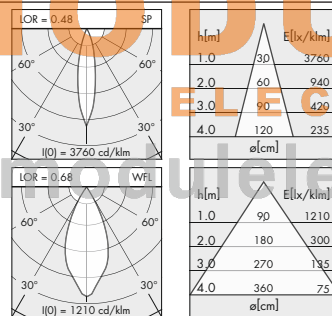
electronic ballast incl.
35 W
70 W
150 W

Article numbers

02 LTL 112-...
02 LTL 212-...
02 LTL 312-...

+ Reflector HIT/G12

SP-WFL



Safety glass incl.
UV filter incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HJ 310-...
17 HJ 310-UV-...
17 HJ 310-SN-...
17 HJ 310-GD-...
17 HJ 310-RS-...
17 HJ 310-BD-...

+ Lamp

HIT/G12 35/70/150 W

Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.
As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter	Coloured glass filter	Article number
	blue	17 FF 0673
	yellow	17 FF 0671
	green	17 FF 0674
	orange	17 FF 0670
	red	17 FF 0672
Honeycomb grid		17 WR 0001
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

The use of the colour filters yellow, orange, red, blue, green is only permitted for the operation of the luminaire in the 35W and 70W version.

The use of the honeycomb grid is only permitted for the operation of the luminaire in the 35W and 70W versions.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Boxx LTL



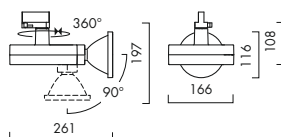
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- Spot reflector
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 1.5 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter

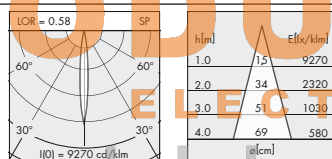


electronic ballast incl. 35 W
70 W

Article numbers
02 LTL 112-...
02 LTL 212-...

+ Reflector HIT/G12

SP



Safety glass incl.
UV filter incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HJ 810-...
17 HJ 810-UV-...
17 HJ 810-SN-...
17 HJ 810-GD-...
17 HJ 810-RS-...
17 HJ 810-BD-...

+ Lamp

HIT/G12 35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter

Coloured glass filter	Article number	
blue	17 FF 0673	
yellow	17 FF 0671	
green	17 FF 0674	
orange	17 FF 0670	
red	17 FF 0672	
Honeycomb grid	17 WR 0001	
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

Order information

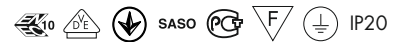
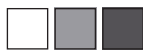
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Boxx LTW



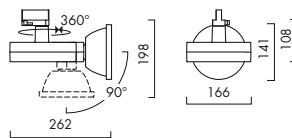
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- symmetrical light distribution
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, 100(109)W, 150(163)W
- Weight 1.5 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



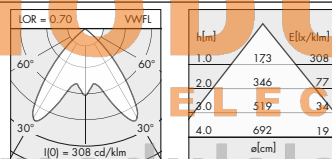
electronic ballast incl.	35 W
	70 W
	100 W
	150 W

Article numbers

02 LTL 112-...
02 LTL 212-...
02 LTL 512-...
02 LTL 312-...

+ Reflector HIT/G12

VWFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.

17 HJ 210-...
17 HJ 210-SN-...
17 HJ 210-GD-...

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter

Coloured glass filter	blue	17 FF 0683
	yellow	17 FF 0681
	green	17 FF 0684
	orange	17 FF 0680
	red	17 FF 0682
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

The use of the colour filters yellow, orange, red, blue, green is only permitted for the operation of the luminaire in the 35W and 70W version.

Order information

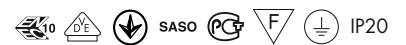
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Boxx LTW



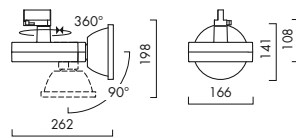
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- asymmetrical light distribution
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, 100(109)W, 150(163)W
- Weight 1.5 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



electronic ballast
incl.

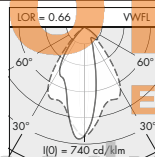
35 W
70 W
100 W
150 W

Article numbers

02 LTL 112-...
02 LTL 212-...
02 LTL 512-...
02 LTL 312-...

+ Reflector HIT/G12

VWFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.

17 HJ 010-...
17 HJ 010-SN-...
17 HJ 010-GD-...

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter

Coloured glass filter	blue	17 FF 0683
	yellow	17 FF 0681
	green	17 FF 0684
	orange	17 FF 0680
	red	17 FF 0682
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

The use of the colour filters yellow, orange, red, blue, green is only permitted for the operation of the luminaire in the 35W and 70W version.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Boxx LML



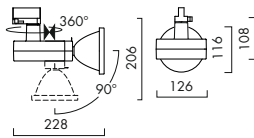
- Lighting technology HIT/GU6.5
- for three-circuit track or surface mounting
- Spot reflector
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(24)W
- Weight 1.1 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



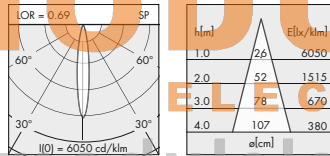
electronic ballast incl.

20 W

Article numbers
02 LML 812-...

+ Reflector HIT/GU6.5

SP



Safety glass incl.

17 HJ 710-...

+ Lamp

HIT/GU6.5 20 W

Information about lamps ↗ 396

Optional accessories

Filter

Coloured glass filter

blue
yellow
green
orange
red

17 FF 0673
17 FF 0671
17 FF 0674
17 FF 0670
17 FF 0672

Ceiling jack for adapter

white
black

16 NK 70319002
16 NK 70319003

Recessed ceiling jack

white
black

16 NK 70360002
16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Boxx LGL

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8



- Lighting technology HST/GX12-1
- for three-circuit track or surface mounting
- focusable reflector
- tilting and turning
- Connection data: electronic ballast, 220-240V, 50(62)W, 100(110)W
- Weight 1.6 kg

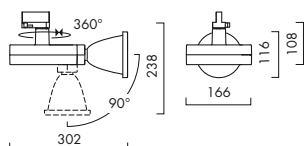
Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



IP20

Spotlight

with adapter



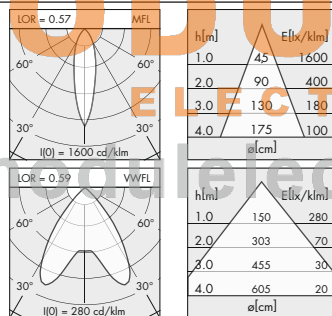
electronic ballast incl.

50 W
100 W

Article numbers
02 LGL 412-...
02 LGL 512-...

+ Reflector HST/GX12-1

MFL-VWFL



17 HSJ 310-...

+ Lamp

HST/GX12-1 50/100 W

Information about lamps ↗ 397

Optional accessories

Ceiling jack for adapter

white 16 NK 70319002
black 16 NK 70319003

Recessed ceiling jack

white 16 NK 70360002
black 16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Boxx LNL



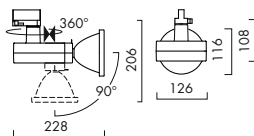
- Lighting technology QT-LP12/GY6.35
- for three-circuit track or surface mounting
- focusable reflector
- tilting and turning
- Connection data: electronic transformer, 230-240V, max. 90W
- Weight 1.0 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



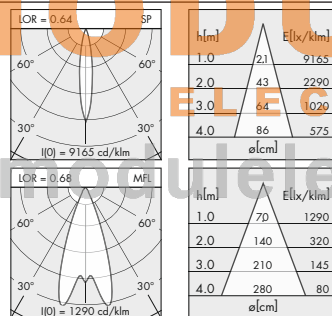
electronic transformer incl.

max. 90 W

Article numbers
02 LNL 010-...

+ Reflector QT-LP12/GY6.35

SP-MFL



17 HNJ 310-...

+ Lamp

QT-LP12 IRC/GY6.35 35/50/65 W
QT-LP12/GY6.35 20/35/50/75/90 W

Information about lamps ↗ 400

Information about lamps ↗ 400

Optional accessories

Filter

UV filter

Coloured glass filter

blue
yellow
green
orange
red

17 ZS 0011
17 FF 0673
17 FF 0671
17 FF 0674
17 FF 0670
17 FF 0672

Ceiling jack for adapter

white
black

16 NK 70319002
16 NK 70319003

Recessed ceiling jack

white
black

16 NK 70360002
16 NK 70360003


Safety glass

17 ZS 0010

Order information

Article numbers ending on -... are to be supplemented by the colour code.

Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


MODULO
ELECTRO
www.modulelectro.ru



MODUL
ELECTRO
www.modulelectro.ru



Spotlights

Velo





Velo is a spotlight with a mono-casing into which the transformer has been integrated. An efficient temperature management system leads to a markedly longer service life. Equipped with a new adapter Velo is meant for use on tracks. Direct ceiling mounting is also possible in connection with a ceiling jack. Optionally Velo can be configured for mounting on luminaire carriers, as luminaires fitted on wall brackets or fitting on a suspended supply track. The toolfree replacement system for the reflector and the safety glass is a feature which indicates Velo's ease of handling. Anti-glare, mood filter or diffuser are meaningful accessories and supplement Velo's basic equipment.

MODUL
ELEKTRO
www.modul-electro.ru

- Compact, organic use of shapes
- Integrated temperature separation between reflector and ballast
- equipment in a very confined space: this results in a higher product life for all of the components and at the same time makes a compact structural shape possible
- Efficient reflectors and a high light output reduce the number of luminaires required

Spotlights Compendium Velo

			
Mounting	with adapter	•	•
Lighting technology	HIT/G8.5 35 W	•	
	HIT/G8.5 70 W	•	
	HIT/GU6.5 20 W		•
Ballast	electronic ballast incl.	•	•
Type of reflector	SSP		•
	SP	•	•
	MFL	•	•
	FL	•	
	WFL		•

MODUL
ELECTRO

www.modulelectro.ru

Spotlights Velo VEL



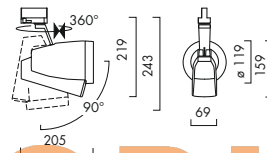
- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 1.5 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

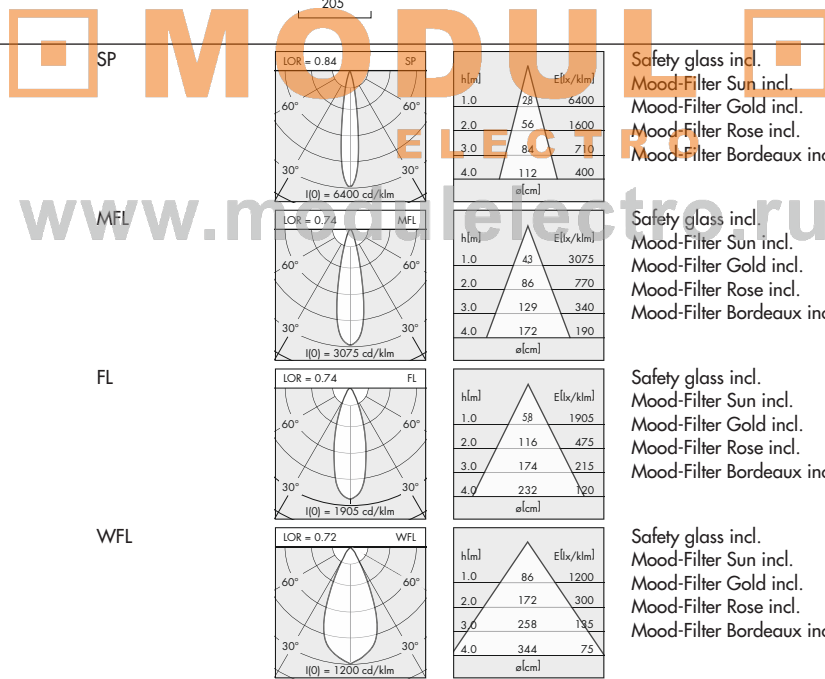
with adapter



electronic ballast incl. 35 W
70 W

Article numbers
02 VEL 112-...
02 VEL 212-...

+ Reflector HIT/G8.5



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIN 610-...
17 HIN 610-SN-...
17 HIN 610-GD-...
17 HIN 610-RS-...
17 HIN 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIN 410-...
17 HIN 410-SN-...
17 HIN 410-GD-...
17 HIN 410-RS-...
17 HIN 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIN 210-...
17 HIN 210-SN-...
17 HIN 210-GD-...
17 HIN 210-RS-...
17 HIN 210-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIN 110-...
17 HIN 110-SN-...
17 HIN 110-GD-...
17 HIN 110-RS-...
17 HIN 110-BD-...

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansorg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter	UV filter	17 GL 4100
Honeycomb grid		17 WR 0002
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003
Diffusor		17 GL 0872

Order information

Article numbers ending on -... are to be supplemented by the colour code.

Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver / ...-201 = grey white / ...-202 = jet black / ...-210 = silver grey

Please add the colour code -201, -202 or -210 only in the case of the reflector order numbers. The colour of the reflector retaining ring is in this case a nuance darker than the colour of the housing.

Spotlights Velo VEI



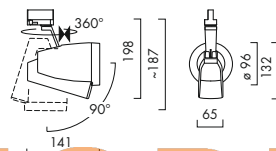
- Lighting technology HIT/GU6.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(24)W
- Weight 0.9 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

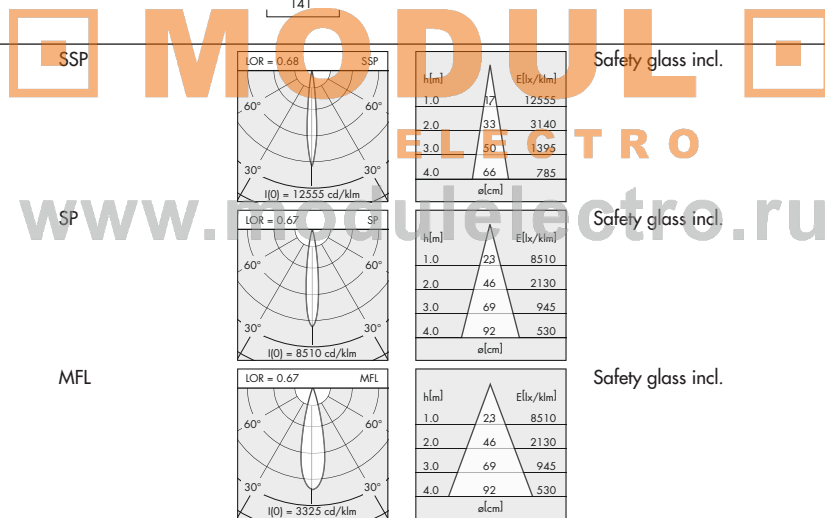
with adapter



electronic ballast incl. 20 W

Article numbers
02 VEI 812-...

+ Reflector HIT/GU6.5



17 HIQ 810-...

17 HIQ 610-...

17 HIQ 410-...

+ Lamp

HIT/GU6.5 20 W

Information about lamps ↗ 396


Optional accessories

Filter	UV filter	17 GL 4200
Honeycomb grid		17 WR 0010
Ceiling jack for adapter	white	16 NK 70319002
	black	16 NK 70319003
Recessed ceiling jack	white	16 NK 70360002
	black	16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver / ...-201 = grey white / ...-202 = jet black / ...-210 = silver grey

Please add the colour code -201, -202 or -210 only in the case of the reflector order numbers. The colour of the reflector retaining ring is in this case a nuance darker than the colour of the housing.


MODULO
ELECTRO
www.modulelectro.ru



Spotlights Brick



With pared-down shapes and functional flexibility, the Brick spotlight range permits a large number of design and lighting schemes. The spots can be turned through 360° and tilted 90° and hence it is possible to illuminate the whole room, the light reaching almost every position in it. Through the four different beam angles Brick can be recommended both for ambient and accent lighting purposes, in shops and stores as well as for transit zones in public buildings.

- Geometrical, pure design
- Qualitatively high-grade material version made of diecast aluminium permits optimum accuracy of fit
- The position of the tilting mechanism at only one point makes it possible to use it as a directional spotlight or as a downlight
- Design networking with the product lines Lightstripe and Vario

Spotlights Compendium Brick



Brick BSS
∅ 102

Brick BTL
∅ 104

Mounting

with adapter
with ceiling box

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Lighting technology

QT-LP12/GY6.35 max. 90 W
HIT/G12 35 W
HIT/G12 70 W
HIT/G12 100 W
HIT/G12 150 W
HIT/G8.5 20 W
HIT/G8.5 35 W
HIT/G8.5 70 W

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Ballast

LED
electronic ballast incl.
conventional ballast incl.
electronic transformer incl.

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Type of reflector

SSP
SP
MFL
FL
WFL

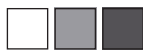
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

MODUL
ELEKTRO
www.modulelectro.ru

Spotlights Brick BSS

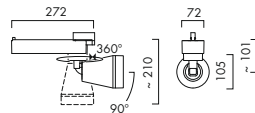


- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 1.5 kg



Spotlight

with adapter

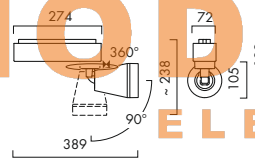


electronic ballast incl. 20 W
35 W
70 W

Article numbers

02 BSS 812-...
02 BSS 112-...
02 BSS 212-...

with ceiling box

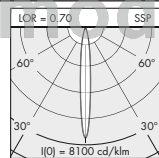


electronic ballast incl. 20 W
35 W
70 W

02 BSS 822-...
02 BSS 122-...
02 BSS 222-...

+ Reflector HIT/G8.5

SSP

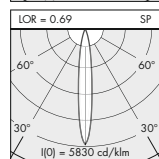


h[m]	E[lx/klm]
1.0	8100
2.0	2025
3.0	900
4.0	505

Safety glass incl.
honeycomb grid incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 810-...
17 HIB 810-WR-...
17 HIB 810-SN-...
17 HIB 810-GD-...
17 HIB 810-RS-...
17 HIB 810-BD-...

SP

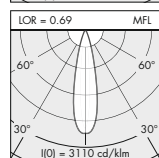


h[m]	E[lx/klm]
1.0	5830
2.0	1460
3.0	650
4.0	365

Safety glass incl.
honeycomb grid incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 610-...
17 HIB 610-WR-...
17 HIB 610-SN-...
17 HIB 610-GD-...
17 HIB 610-RS-...
17 HIB 610-BD-...

MFL

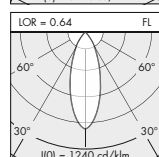


h[m]	E[lx/klm]
1.0	3110
2.0	780
3.0	345
4.0	195

Safety glass incl.
honeycomb grid incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 410-...
17 HIB 410-WR-...
17 HIB 410-SN-...
17 HIB 410-GD-...
17 HIB 410-RS-...
17 HIB 410-BD-...

FL



h[m]	E[lx/klm]
1.0	1240
2.0	310
3.0	140
4.0	80

Safety glass incl.
honeycomb grid incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 210-...
17 HIB 210-WR-...
17 HIB 210-SN-...
17 HIB 210-GD-...
17 HIB 210-RS-...
17 HIB 210-BD-...

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Glare reduction cylindrical
Filter

Coloured glass
filter

blue
yellow
green
orange
red

Article numbers

17 AS 2000

17 GL 1021

17 GL 1023

17 GL 1022

17 GL 1024

17 GL 1020

17 GL 1010

17 WR 0003



Honeycomb grid

UV filter

The use of the colour filters blue, green is only permitted for the operation of the luminaire in the 20W and 35W versions.

Order information

Article numbers ending on -... are to be supplemented by the colour code.

Colour code: ...-401 = white / ...-410 = silver / ...-402 = anthracite

www.modulelectro.ru

Spotlights Brick BTL

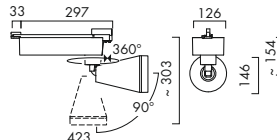


- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, 100(109)W, 150(163)W; conventional ballast, 230V, 35(48)W, 70(88)W, 150(170)W
- Weight 3.8 kg



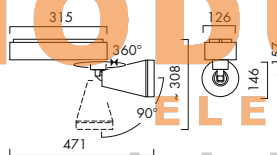
Spotlight

with adapter



electronic ballast incl.	35 W
	70 W
	100 W
	150 W
conventional ballast incl.	35 W
	70 W
	150 W

with ceiling box



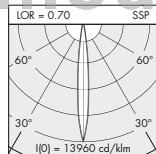
electronic ballast incl.	35 W
	70 W
	100 W
	150 W
conventional ballast incl.	35 W
	70 W
	150 W

Article numbers

02 BTL 112-...
02 BTL 212-...
02 BTL 512-...
02 BTL 312-...
02 BTL 111-...
02 BTL 211-...
02 BTL 311-...
02 BTL 122-...
02 BTL 222-...
02 BTL 522-...
02 BTL 322-...
02 BTL 121-...
02 BTL 221-...
02 BTL 321-...

+ Reflector HIT/G12

SSP



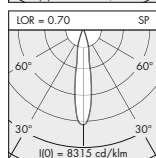
h[m]	E[lx/klm]
1.0	17 13960
2.0	33 3490
3.0	50 1550
4.0	66 875

ø[cm]

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 810-...
17 HIC 810-SN-...
17 HIC 810-GD-...
17 HIC 810-RS-...
17 HIC 810-BD-...

SP



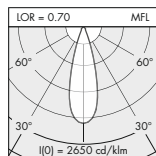
h[m]	E[lx/klm]
1.0	23 8315
2.0	46 2080
3.0	69 925
4.0	92 520

ø[cm]

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 610-...
17 HIC 610-SN-...
17 HIC 610-GD-...
17 HIC 610-RS-...
17 HIC 610-BD-...

MFL



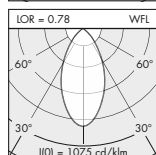
h[m]	E[lx/klm]
1.0	47 2650
2.0	94 660
3.0	141 295
4.0	188 165

ø[cm]

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 410-...
17 HIC 410-SN-...
17 HIC 410-GD-...
17 HIC 410-RS-...
17 HIC 410-BD-...

WFL



h[m]	E[lx/klm]
1.0	85 1075
2.0	170 270
3.0	255 190
4.0	340 70

ø[cm]

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 210-...
17 HIC 210-SN-...
17 HIC 210-GD-...
17 HIC 210-RS-...
17 HIC 210-BD-...

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter

Coloured glass filter

blue
yellow
green
orange
red

Article numbers

17 FF 0733
17 FF 0731
17 FF 0732
17 FF 0734
17 FF 0730
17 ZW 1060-...



Honeycomb grid

The use of the colour filters yellow, orange, red, blue, green is only permitted for the operation of the luminaire in the 35W and 70W version.

The use of the honeycomb grid is only permitted for the operation of the luminaire in the 35W and 70W versions.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

www.modulelectro.ru

Spotlights Brick BMS



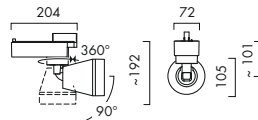
- Lighting technology HIT/GU6.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(23)W
- Weight 1.2 kg



F ⊥ IP20

Spotlight

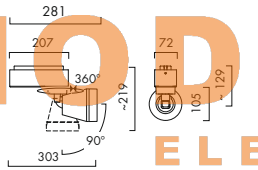
with adapter



electronic ballast incl. 20 W

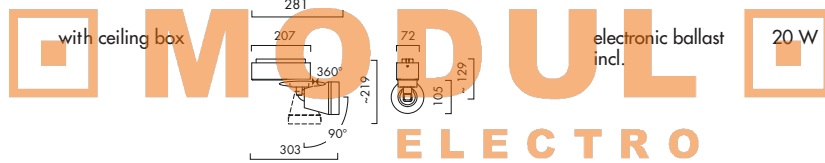
Article numbers
02 BMS 812-...

with ceiling box



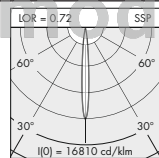
electronic ballast incl. 20 W

02 BMS 822-...



+ Reflector HIT/GU6.5

SSP



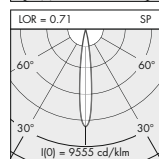
h[m]	E[lx/klm]
1.0	15 16810
2.0	30 4205
3.0	45 1870
4.0	60 1050

ø[cm]

Safety glass incl.

17 HIB 810-...

SP



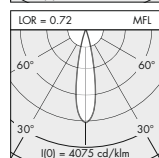
h[m]	E[lx/klm]
1.0	22 9555
2.0	44 2390
3.0	66 1060
4.0	88 595

ø[cm]

Safety glass incl.

17 HIB 610-...

MFL



h[m]	E[lx/klm]
1.0	39 4075
2.0	78 1020
3.0	117 455
4.0	156 255

ø[cm]

Safety glass incl.

17 HIB 410-...

+ Lamp

HIT/GU6.5 20 W

Information about lamps ↗ 396

Optional accessories

Glare reduction cylindric
Filter

Coloured glass filter
blue
yellow
green
orange
red

17 AS 2000
17 GL 1021
17 GL 1023
17 GL 1022
17 GL 1024
17 GL 1020
17 GL 1010
17 WR 0003

Honeycomb grid

UV filter

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Brick BML



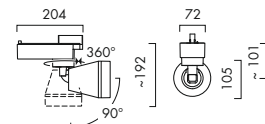
- Lighting technology LED
- for three-circuit track or surface mounting
- tilting and turning
- with integral reflector and supply unit
- Connection data: Supply unit, 220-240V, 23(26)W, 1000lm, CCT 3000K or 4000K, CRI > 80
- Weight: 1.5 kg



IP20

Spotlight with integral reflector

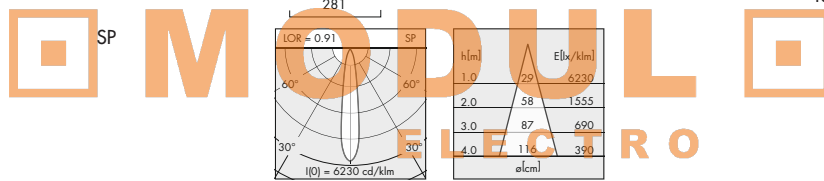
with adapter



SP	3000 K
	4000 K
MFL	3000 K
	4000 K
FL	3000 K
	4000 K

Article numbers
 02 BML 1820-...
 02 BML 1830-...
 02 BML 1620-...
 02 BML 1630-...
 02 BML 1420-...
 02 BML 1430-...

LED



Lamp

LED

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

www.modulelectro.ru

Spotlights Brick BSC

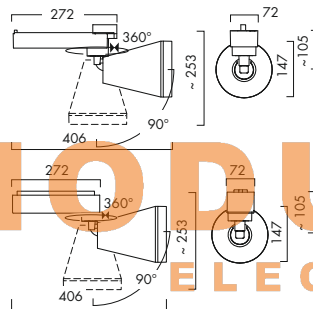


- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(24)W, 35(42)W, 70(80)
- Weight 2.2 kg



Spotlight

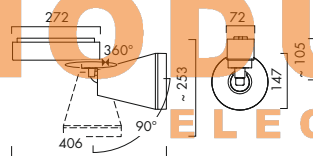
with adapter



electronic ballast incl. 20 W
35 W
70 W

Article numbers
02 BSC 812-...
02 BSC 112-...
02 BSC 212-...

with ceiling box

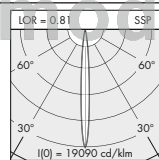


electronic ballast incl. 20 W
35 W
70 W

02 BSC 822-...
02 BSC 122-...
02 BSC 222-...

+ Reflector HIT/G8.5

SSP

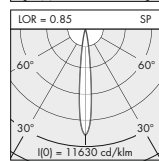


h[m]	E[lx/klm]
1.0	19090
2.0	4775
3.0	2120
4.0	1195

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 810-...
17 HIU 810-SN-...
17 HIU 810-GD-...
17 HIU 810-RS-...
17 HIU 810-BD-...

SP

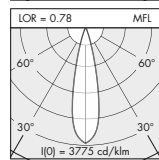


h[m]	E[lx/klm]
1.0	11630
2.0	2910
3.0	1290
4.0	730

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 610-...
17 HIU 610-SN-...
17 HIU 610-GD-...
17 HIU 610-RS-...
17 HIU 610-BD-...

MFL

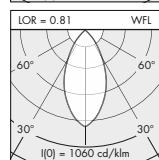


h[m]	E[lx/klm]
1.0	3775
2.0	945
3.0	420
4.0	235

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 410-...
17 HIU 410-SN-...
17 HIU 410-GD-...
17 HIU 410-RS-...
17 HIU 410-BD-...

WFL



h[m]	E[lx/klm]
1.0	1060
2.0	265
3.0	120
4.0	65

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 210-...
17 HIU 210-SN-...
17 HIU 210-GD-...
17 HIU 210-RS-...
17 HIU 210-BD-...

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Brick BES

1
2
3
4
5
6
7
8



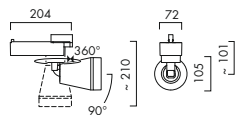
- Lighting technology QT-LP/GY6.35
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic transformer, 12V, max. 90W
- Weight 1.5 kg



IP20

Spotlight

with adapter

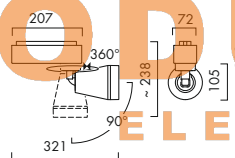


electronic transformer incl.

max. 90 W

Article numbers
02 BES 010-...

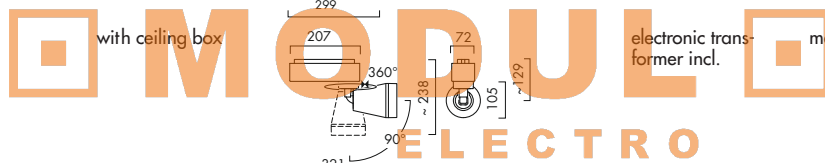
with ceiling box



electronic transformer incl.

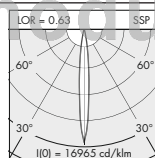
max. 90 W

02 BES 020-...



+ Reflector QT-LP12/GY6.35

SSP

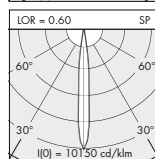


h[m]	Elx/klm
1.0	16965
2.0	4240
3.0	1885
4.0	1060

Safety glass incl.
honeycomb grid incl.

17 HIB 810-...
17 HIB 810-WR-...

SP

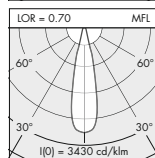


h[m]	Elx/klm
1.0	10150
2.0	2535
3.0	1130
4.0	635

Safety glass incl.
honeycomb grid incl.

17 HIB 610-...
17 HIB 610-WR-...

MFL

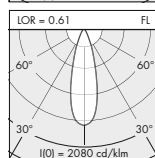


h[m]	Elx/klm
1.0	3430
2.0	860
3.0	380
4.0	215

Safety glass incl.
honeycomb grid incl.

17 HIB 410-...
17 HIB 410-WR-...

FL



h[m]	Elx/klm
1.0	2080
2.0	520
3.0	230
4.0	130

Safety glass incl.
honeycomb grid incl.

17 HIB 210-...
17 HIB 210-WR-...

+ Lamp

QT-LP12/GY6.35 20/35/50/75/90 W

Information about lamps ↗ 400

Optional accessories

Glare reduction cylindrical

Filter

Coloured glass filter

blue
yellow
green
orange
red

17 AS 2000

17 GL 1021

17 GL 1023

17 GL 1022

17 GL 1024

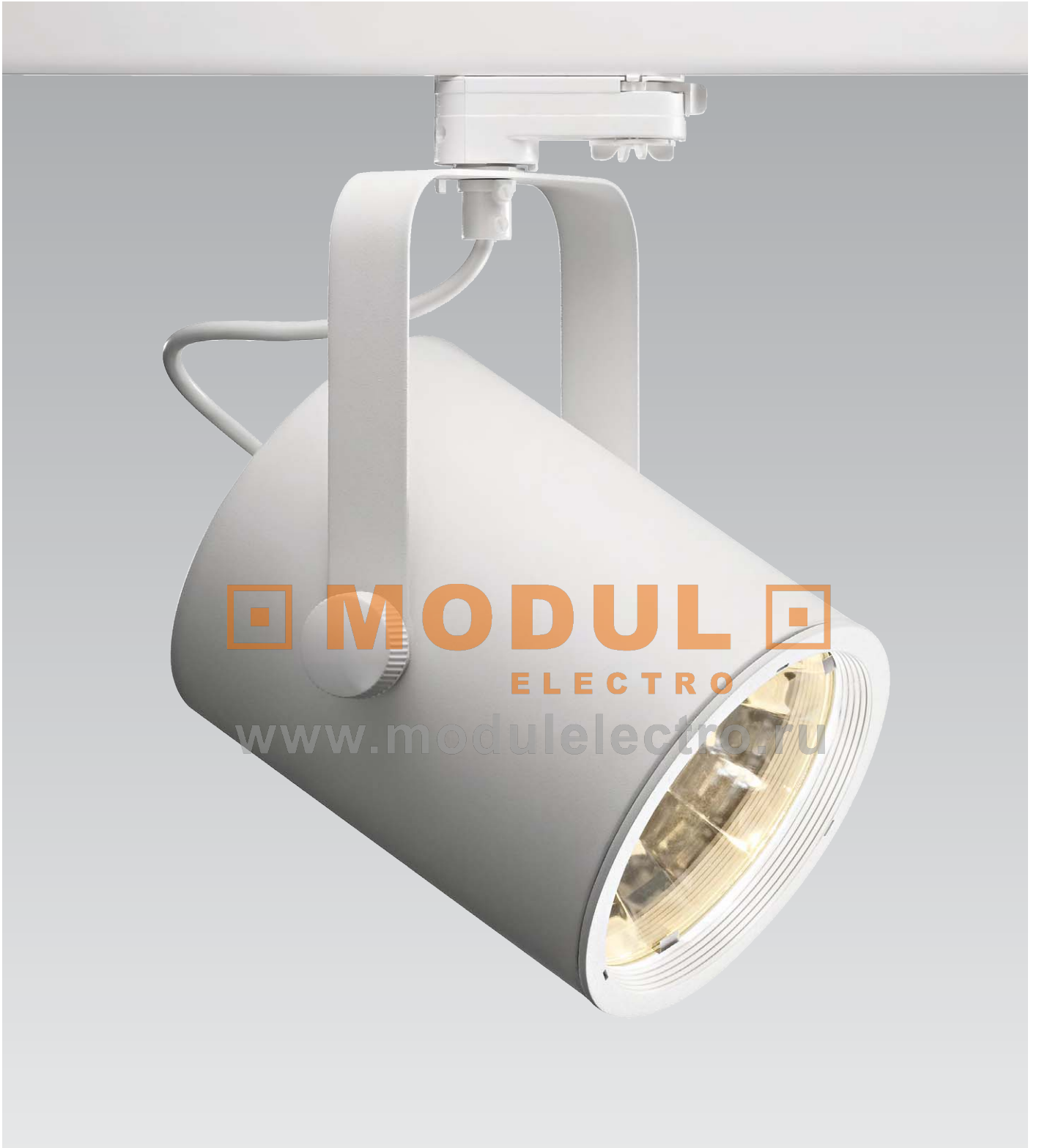
17 GL 1020

17 WR 0003

Honeycomb grid

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



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Spotlights



Tecno

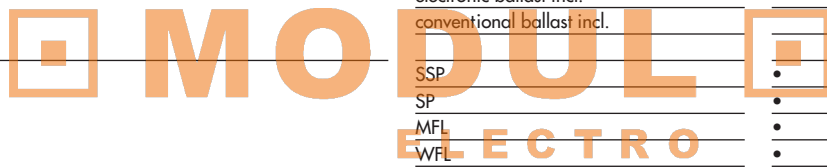


With a functional, minimalistic shape and great technical flexibility, Tecno spotlights are ideal for numerous lighting tasks. The use of low-loss electronic ballast technology and optimised reflector efficiency guarantee high economic efficiency. The Tecno range is supplemented by various accessories such as colour filters, honeycomb grids and barn doors.

- Reduction to a basic geometrical shape
- Facelift: greater economic efficiency due to the use of low-loss electronic ballast equipment with optimised reflector efficiency
- Large variety of accessories permits different lighting scenarios

Spotlights Compendium Tecno

			
		Tecno TTC ∅ 114	Tecno TTS ∅ 116
Mounting	with adapter	•	•
	with ceiling box		
Lighting technology	HIT/G12 35 W		•
	HIT/G12 70 W		•
	HIT/G12 150 W		
	HIT/G8.5 20 W	•	
	HIT/G8.5 35 W	•	
	HIT/G8.5 70 W	•	
Ballast	electronic ballast incl.	•	
	conventional ballast incl.		•
Type of reflector	SSP	•	•
	SP	•	•
	MFL	•	•
	WFL	•	•



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Tecno TTL

↗ 117

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Spotlights Tecno TTC



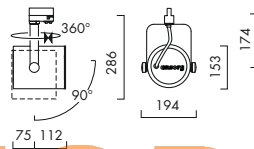
- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(24)W, 35(42)W, 70(80)W
- Weight 1.9 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



electronic ballast
incl. 20 W
35 W
70 W

Article numbers

02 TTC 812-...
02 TTC 112-...
02 TTC 212-...

+ Reflector HIT/G8.5

Reflector Type	Beam Spread	Beam Angle	Beam Diameter (cm)	Beam Length (cm)	Beam Area (cm²)	Beam Volume (cm³)	Beam Power (W)	Beam Color	Beam Filter	Beam Filter Color	Beam Filter Article
SSP	LOR = 0.81	60°	56	1195	19090	19090	19090	Safety glass incl.	Mood-Filter Sun incl.	Sun	17 HIA 810-04-...
	SP	60°	28	4775	4775	4775	4775	Mood-Filter Gold incl.	Mood-Filter Gold	Gold	17 HIA 810-04-SN-...
		30°	14	2120	2120	2120	2120	Mood-Filter Rose incl.	Mood-Filter Rose	Rose	17 HIA 810-04-GD-...
		30°	7	1195	1195	1195	1195	Mood-Filter Bordeaux incl.	Mood-Filter Bordeaux	Bordeaux	17 HIA 810-04-RS-...
MFL	LOR = 0.85	60°	44	1290	11630	11630	11630	Safety glass incl.	Mood-Filter Sun incl.	Sun	17 HIA 610-04-...
	SP	60°	22	2910	2910	2910	2910	Mood-Filter Gold incl.	Mood-Filter Gold	Gold	17 HIA 610-04-SN-...
		30°	11	1290	1290	1290	1290	Mood-Filter Rose incl.	Mood-Filter Rose	Rose	17 HIA 610-04-GD-...
		30°	6	730	730	730	730	Mood-Filter Bordeaux incl.	Mood-Filter Bordeaux	Bordeaux	17 HIA 610-04-RS-...
WFL	LOR = 0.78	60°	43	3775	3775	3775	3775	Safety glass incl.	Mood-Filter Sun incl.	Sun	17 HIA 410-04-...
	SP	60°	21	945	945	945	945	Mood-Filter Gold incl.	Mood-Filter Gold	Gold	17 HIA 410-04-SN-...
		30°	10	420	420	420	420	Mood-Filter Rose incl.	Mood-Filter Rose	Rose	17 HIA 410-04-GD-...
		30°	5	235	235	235	235	Mood-Filter Bordeaux incl.	Mood-Filter Bordeaux	Bordeaux	17 HIA 410-04-RS-...
WFL	LOR = 0.81	60°	95	1060	1060	1060	1060	Safety glass incl.	Mood-Filter Sun incl.	Sun	17 HIA 210-04-...
	SP	60°	47	265	265	265	265	Mood-Filter Gold incl.	Mood-Filter Gold	Gold	17 HIA 210-04-SN-...
		30°	23	120	120	120	120	Mood-Filter Rose incl.	Mood-Filter Rose	Rose	17 HIA 210-04-GD-...
		30°	11	65	65	65	65	Mood-Filter Bordeaux incl.	Mood-Filter Bordeaux	Bordeaux	17 HIA 210-04-RS-...

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansoorg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.


Optional accessories

Accessory	Color	Article	
Filter	UV filter	17 GL 1002	
	Coloured glass filter	blue	17 GL 2071
		yellow	17 GL 2073
		green	17 GL 2072
		red	17 GL 2070
Honeycomb grid	white	17 ZW 1020-401	
	silver	17 ZW 1020-410	
	anthracite	17 ZW 1020-402	
Ceiling jack for adapter	white	16 NK 70319002	
	black	16 NK 70319003	
Recessed ceiling jack	white	16 NK 70360002	
	black	16 NK 70360003	

The colour filters can not be used with the honeycomb grid.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

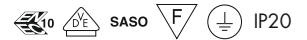

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Spotlights Tecno TTS



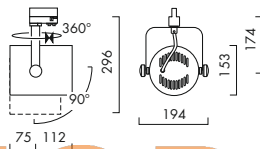
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: conventional ballast, 230V, 35(48)W, 70(88)W
- Weight 2.6 kg

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter

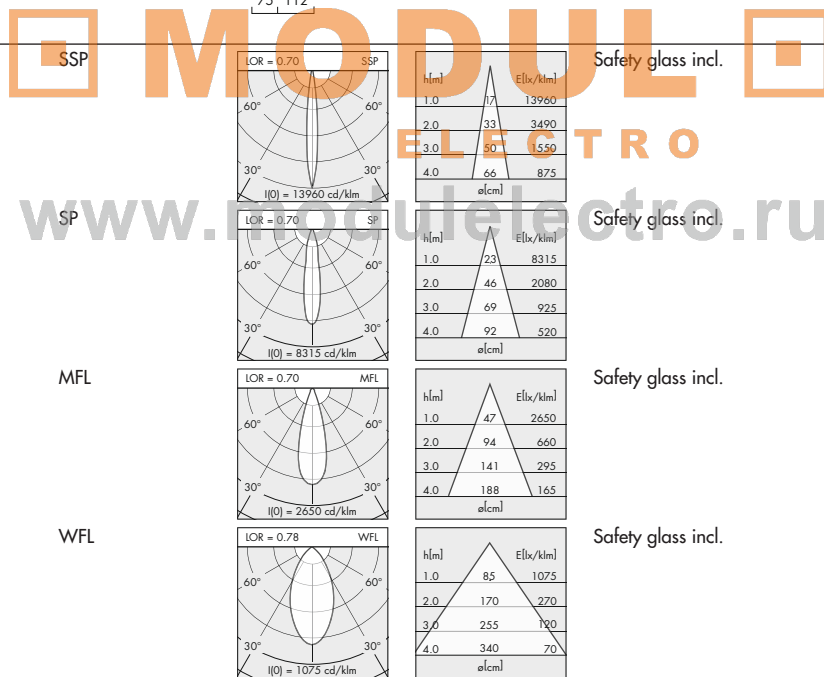


conventional ballast incl.

35 W
70 W

Article numbers
02 TTS 111-...
02 TTS 211-...

+ Reflector HIT/G12



+ Lamp

HIT/G12 35/70 W

Information about lamps ↗ 396

Optional accessories

Filter

UV filter

17 GL 1002

Ceiling jack for adapter

white
black

16 NK 70319002

Recessed ceiling jack

white
black

16 NK 70360002

16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Tecno TTL

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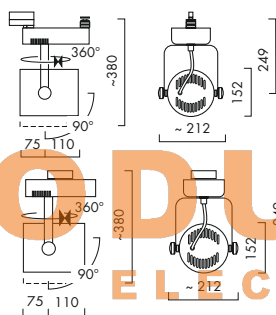


- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: conventional ballast, 230V, 150(170)W
- Weight 4.9 kg



Spotlight

with adapter



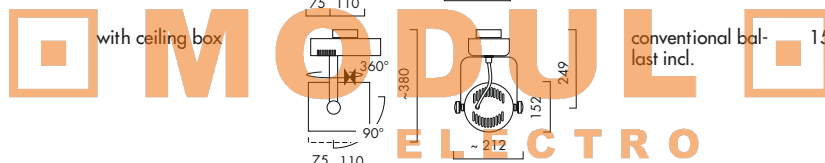
conventional ballast incl. 150 W

Article numbers
02 TTL 311-...

with ceiling box

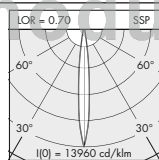
conventional ballast incl. 150 W

02 TTL 321-...



+ Reflector HIT/G12

SSP



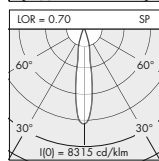
h[m]	E _{lx} /klm
1.0	17 13960
2.0	33 3490
3.0	50 1550
4.0	66 875

elcm

Safety glass incl.

17 HIA 810-...

SP



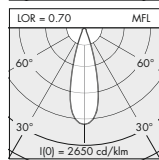
h[m]	E _{lx} /klm
1.0	23 8315
2.0	46 2080
3.0	69 925
4.0	92 520

elcm

Safety glass incl.

17 HIA 610-...

MFL



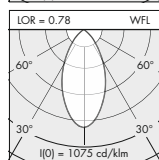
h[m]	E _{lx} /klm
1.0	47 2650
2.0	94 660
3.0	141 295
4.0	188 165

elcm

Safety glass incl.

17 HIA 410-...

WFL



h[m]	E _{lx} /klm
1.0	85 1075
2.0	170 270
3.0	255 170
4.0	340 70

elcm

Safety glass incl.

17 HIA 210-...

+ Lamp

HIT/G12 150 W

Information about lamps ↗ 396

Optional accessories

Filter

UV filter

17 GL 1002

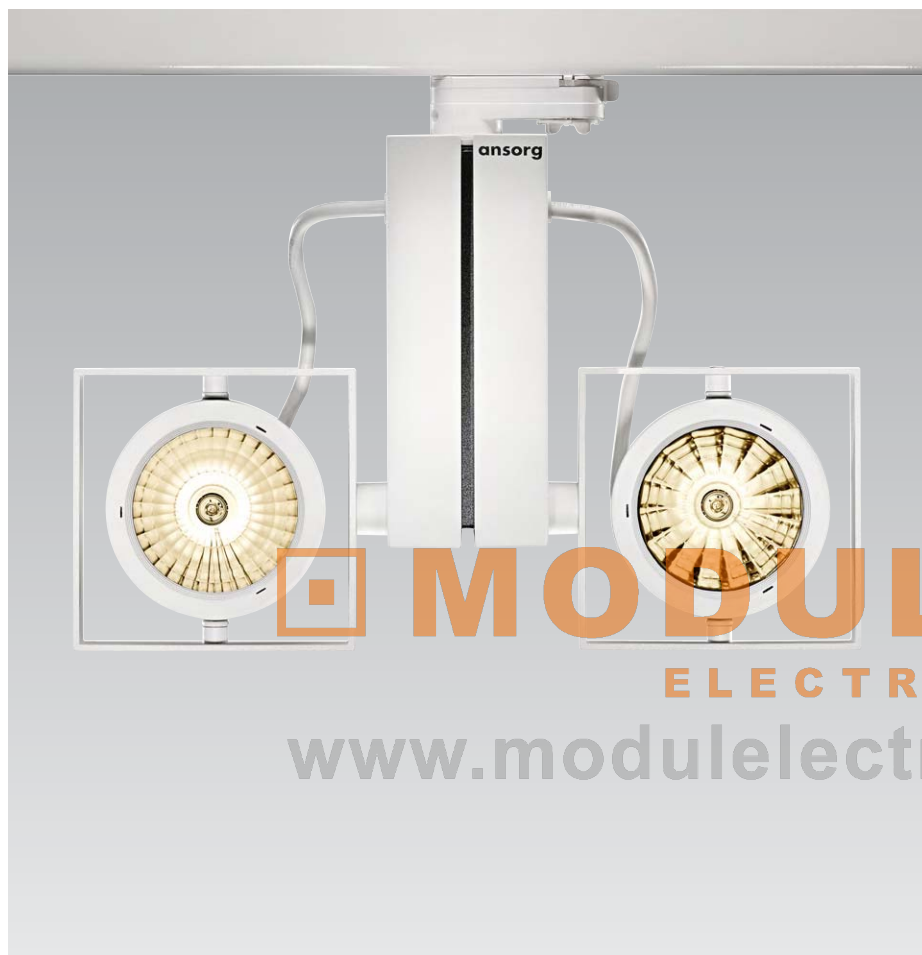
Honeycomb grid

17 ZW 1020-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver





The Cardo double spotlight was developed for use fitted in power tracks or mounted on the ceiling and as a pendant luminaire. The articulation of the gimble-mounted light heads enables light to be distributed over the room in any direction. The orthogonal alignment of the luminaires produces the appropriate, calm ceiling pattern. The Cardo product series is of modular design and various lighting techniques can therefore be combined without any problems.

- Technical design
- Gimbal-mounting permits the directing of the light in any direction desired
- Two lighting heads in one product and the possibility of combining various lighting technologies reduce the number of luminaires
- Housing position permits stringent ceiling design

Spotlights

Compendium Cardo



Cardo CPK
 ↗ 121

Mounting

- with adapter
- with ceiling box

-
-

Lighting technology



- HIT/G8.5 35 W
- HIT/G8.5 70 W

-
-

Type of reflector

- SSP
- SP
- MFL
- FL

-
-
-
-


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Spotlights Cardo CPK



- Lighting technology HIT/G8.5
- for three-circuit track (spotlight) or surface mounting
- Design as a spotlight or suspended luminaire
- two spotlights on gimbal mount
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Spotlight weight approx. 3,0 kg; suspended luminaire approx. 4.4 kg

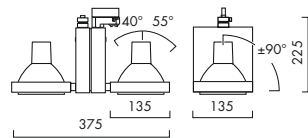
Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



IP20

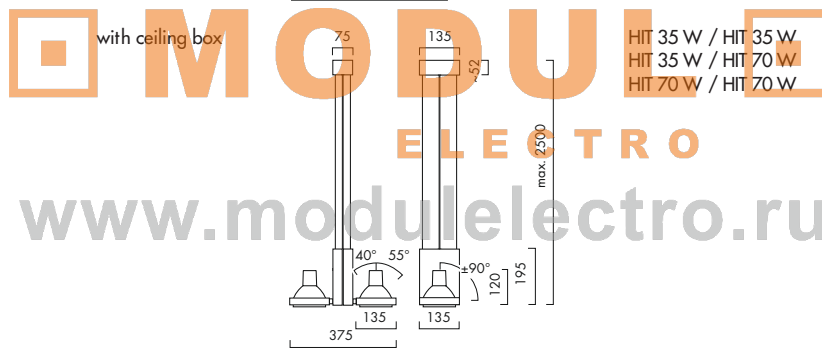
Spotlight

with adapter



HIT 35 W / HIT 35 W
HIT 35 W / HIT 70 W
HIT 70 W / HIT 70 W

Article numbers
02 CPK 111-...
02 CPK 112-...
02 CPK 212-...

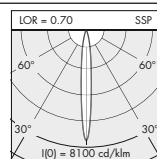


HIT 35 W / HIT 35 W
HIT 35 W / HIT 70 W
HIT 70 W / HIT 70 W

07 CPK 121-...
07 CPK 122-...
07 CPK 222-...

+ Reflector HIT/G8.5

SSP

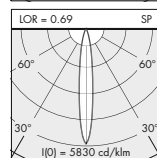


h[m]	Elx/klm
1.0	8100
2.0	2025
3.0	900
4.0	505

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 810-...
17 HIB 810-SN-...
17 HIB 810-GD-...
17 HIB 810-RS-...
17 HIB 810-BD-...

SP

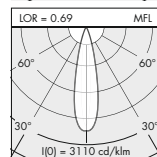


h[m]	Elx/klm
1.0	5830
2.0	1460
3.0	650
4.0	365

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 610-...
17 HIB 610-SN-...
17 HIB 610-GD-...
17 HIB 610-RS-...
17 HIB 610-BD-...

MFL

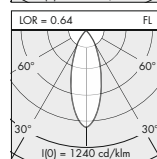


h[m]	Elx/klm
1.0	3110
2.0	780
3.0	345
4.0	195

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 410-...
17 HIB 410-SN-...
17 HIB 410-GD-...
17 HIB 410-RS-...
17 HIB 410-BD-...

FL



h[m]	Elx/klm
1.0	1240
2.0	310
3.0	140
4.0	80

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 210-...
17 HIB 210-SN-...
17 HIB 210-GD-...
17 HIB 210-RS-...
17 HIB 210-BD-...

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Spotlights Cardo CPK

Optional accessories

Glare reduction cylindric
Filter

UV filter
Coloured glass
filter

blue
yellow
green
orange
red



Honeycomb grid
Ceiling jack for adapter

Recessed ceiling jack

white
black
white
black


Article numbers

17 AS 2000
17 GL 1010
17 GL 1021
17 GL 1023
17 GL 1022
17 GL 1024
17 GL 1020
17 WR 0003
16 NK 70319002
16 NK 70319003
16 NK 70360002
16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

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ELECTRO
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Spotlights Stage



Stage is a spotlight presenting modern high-quality lighting technology in a lighting fitting of theatre-style design. Standard coloured sheeting of the type used in stage equipment is placed in the filter holder. Additional accessories produce further dramatic lighting effects. With innovative lamp equipment and optimised replaceable reflectors, Stage is suitable for the accentuation of architectural details and the highlighting of objects in shopping areas.

- Spotlights of theatre stage-type design
- Accessories for dramaturgical lighting effects at the point of sale
- For accent lighting and scene-setting for special areas

Spotlights

Compendium Stage



Stage STB
 ↗ 127

Mounting	with adapter	•
Lighting technology	HIT/G8.5 20 W	•
	HIT/G8.5 35 W	•
	HIT/G8.5 70 W	•
Ballast	electronic ballast incl.	•
Type of reflector	SSP	•
	SP	•
	MFL	•
	WFL	•

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Spotlights Stage STB



- Lighting technology HIT/G8.5
- for three-circuit track or surface mounting
- tilting and turning
- Connection data: electronic ballast, 220-240V, 20(24)W, 35(42)W, 70(80)W
- Weight 2.5 kg

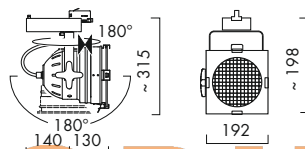
Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



IP20

Spotlight

with adapter

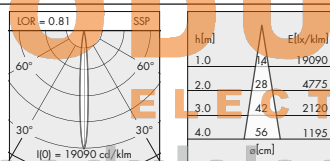


electronic ballast incl.
20 W
35 W
70 W

Article numbers
02 STB 812-002
02 STB 112-002
02 STB 212-002

+ Reflector HIT/G8.5

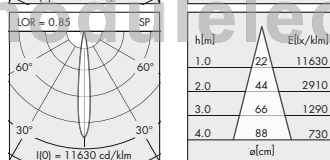
SSP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 810-402
17 HIU 810-SN-402
17 HIU 810-GD-402
17 HIU 810-RS-402
17 HIU 810-BD-402

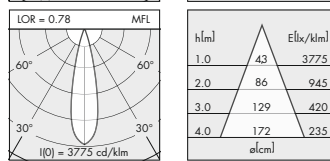
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 610-402
17 HIU 610-SN-402
17 HIU 610-GD-402
17 HIU 610-RS-402
17 HIU 610-BD-402

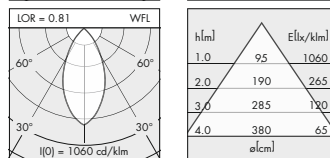
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 410-402
17 HIU 410-SN-402
17 HIU 410-GD-402
17 HIU 410-RS-402
17 HIU 410-BD-402

WFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 210-402
17 HIU 210-SN-402
17 HIU 210-GD-402
17 HIU 210-RS-402
17 HIU 210-BD-402

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Barn doors

black

17 BK 0020-002

Order information

The luminaire is only available in the 'black' version.



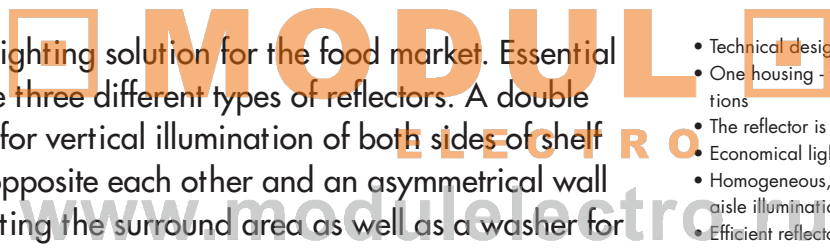
MODULO
ELECTRO
www.modulelectro.ru



Spotlights Silla





Silla is an efficient lighting solution for the food market. Essential components are the three different types of reflectors. A double directional washer for vertical illumination of both sides of shelf systems arranged opposite each other and an asymmetrical wall washer for illuminating the surround area as well as a washer for partial accentuation of, for example, displays in the upper wall area. The reflector material (MIRO) used has, as compared with conventional material, a 10% higher degree of reflection and hence large distances between luminaires of up to 3.80 meter can be achieved. Consequently, Silla stands for a highly economical and efficient lighting system.



- Technical design
- One housing - three reflector types - three applications
- The reflector is the shape-determining element
- Economical lighting solutions for the food area
- Homogeneous, vertical shelf lighting and non-glare aisle illumination
- Efficient reflectors permit large distances between luminaires and reduce the number of luminaires
- Product family with a large variety of mounting possibilities
- Design networking with Boxx and Sino

Spotlights Compendium Silla

			
Mounting	with adapter	•	•
	for recessed mounting		
	for suspended mounting		
	for wall mounting		
Lighting technology	HIT/G12 35 W		
	HIT/G12 70 W	•	•
	HIT/G12 100 W	•	•
	HIT/G12 150 W	•	•
Ballast	electronic ballast incl.	•	•
Type of reflector	DDF	•	
	PSW		
	AF		•

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Silla STL
↗ 134



Silla SPL
↗ 135



Silla SPL
↗ 136



Silla SPL
↗ 137



Silla Factory
↗ 138



Silla SEL
↗ 139



Silla SWL
↗ 140

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Spotlights Silla STL



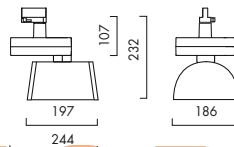
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- Spotlight as two-directional washer with symmetrical light distribution
- Connection data: electronic ballast, 220-240V, 70(80)W, 100(109)W, 150(163)W
- Weight 2.0 kg (70W), 2.5 kg (100/150W)

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



electronic ballast
incl.

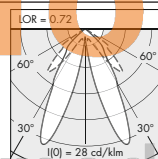
70 W
100 W
150 W

Article numbers

02 STL 212-...
02 STL 512-...
02 STL 312-...

+ Reflector HIT/G12

DDF



h	E [lx/km]	
0.5 m	0.5 m	1.0 m
1.0	13	9
1.5	72	29
2.0	21	29
2.5	7	24
3.0	3	15
3.5	1	8
4.0	1	5

Safety glass incl.

17 HIR 510-...

+ Lamp

HIT/G12 70/100/150 W

Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

Optional accessories

Ceiling jack for adapter

white
black

16 NK 70319002
16 NK 70319003

Recessed ceiling jack

white
black

16 NK 70360002
16 NK 70360003

Order information

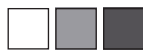
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Silla STL



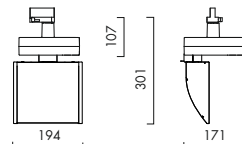
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- Spotlight as wall washer with asymmetrical light distribution
- Connection data: electronic ballast, 220-240V, 70(80)W, 100(109)W, 150(163)W
- Weight 1.75 kg (70W), 2.25 kg (100/150W)

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter

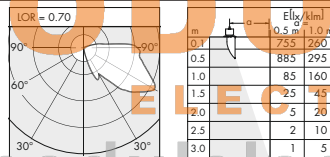


electronic ballast incl.
70 W
100 W
150 W

Article numbers
02 STL 212-...
02 STL 512-...
02 STL 312-...

+ Reflector HIT/G12

AF



Safety glass incl.

17 HIR 010-...

+ Lamp

HIT/G12 70/100/150 W

Information about lamps ↗ 396
Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

Optional accessories

Ceiling jack for adapter

white
black

16 NK 70319002
16 NK 70319003

Recessed ceiling jack

white
black

16 NK 70360002
16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Silla STL



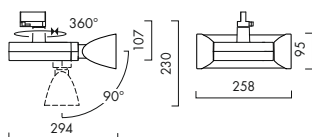
- Lighting technology HIT/G12
- for three-circuit track or surface mounting
- Spotlight as directional washer with elliptical beam shape
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, (100)109W
- Weight 1.85 kg (35/70W), 2.25 kg (100W)

Surface mounted by means of ceiling jack for adapter. Recessed mounting by means of ceiling jack for adapter in combination with recessed ceiling jack (see accessories).



Spotlight

with adapter



electronic ballast incl.

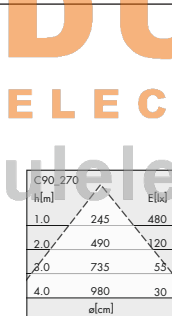
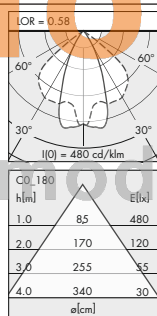
35 W
70 W
100 W

Article numbers

02 STL 112-...
02 STL 212-...
02 STL 512-...

+ Reflector HIT/G12

PSW



Safety glass incl.

17 HIR 710-...

+ Lamp

HIT/G12 35/70/100 W

Information about lamps ↗ 396

Optional accessories

Ceiling jack for adapter

white
black

16 NK 70319002
16 NK 70319003

Recessed ceiling jack

white
black

16 NK 70360002
16 NK 70360003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Silla SPL



- Lighting technology HIT/G12
- for surface mounting
- Suspended luminaire with symmetrical light distribution
- Connection data: electronic ballast, 220-240V, 70(80)W, 100(109)W, 150(163)W
- Weight 1.95 kg (70W), 2.45 kg (100/150W)

The supply lead and the double-wire suspension are connected permanently to the housing (can be shortened on site).



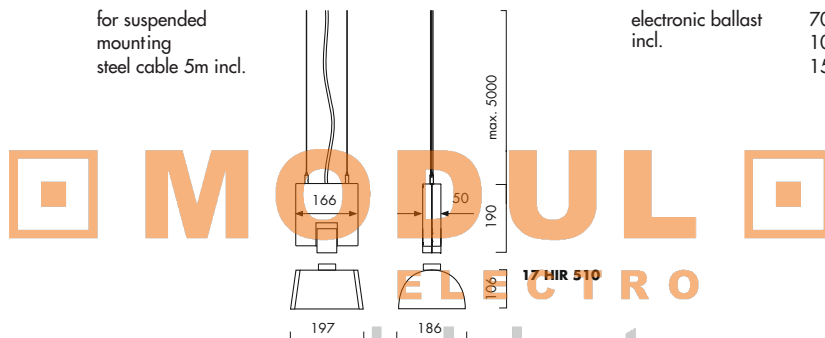
IP20

Control gear housing

for suspended mounting
steel cable 5m incl.

electronic ballast incl.
70 W
100 W
150 W

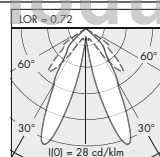
Article numbers
07 SPL 222-...
07 SPL 522-...
07 SPL 322-...



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+ Reflector HIT/G12

DDF



m	E (lx/klm)	
	0.5 m	1.0 m
1.0	13	9
1.5	72	29
2.0	21	29
2.5	7	24
3.0	3	15
3.5	1	8
4.0	1	5

Safety glass incl.

17 HIR 510-...

+ Lamp

HIT/G12 70/100/150 W

Information about lamps ↗ 396
Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

Optional accessories

Ceiling canopy

l = 166mm
w = 50mm
h = 35mm

17 DS 0500-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

For luminaire colour code -401(white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.

Spotlights Silla SPL



- Lighting technology HIT/G12
- for surface mounting
- Suspended luminaire with asymmetrical light distribution
- Connection data: electronic ballast, 220-240V, 70(80)W, 100(109)W, 150(163)W
- Weight 1.75 kg (70W), 2.25 kg (100/150W)

The supply lead and the double-wire suspension are connected permanently to the housing (can be shortened on site).

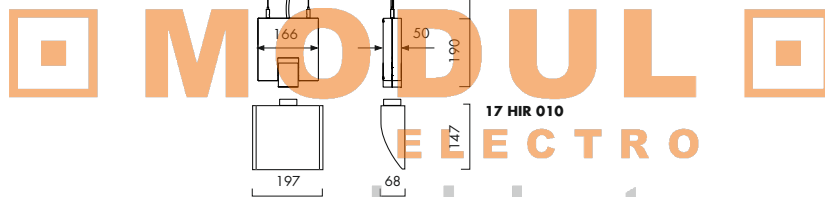


Control gear housing

for suspended mounting
steel cable 5m incl.

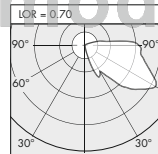
electronic ballast incl. 70 W
100 W
150 W

Article numbers
07 SPL 222-...
07 SPL 522-...
07 SPL 322-...



+ Reflector HIT/G12

AF



h	0.5 m	1.0 m
0.1	755	260
0.5	885	295
1.0	85	160
1.5	25	45
2.0	5	20
2.5	2	10
3.0	1	5

Safety glass incl.

17 HIR 010-...

+ Lamp

HIT/G12 70/100/150 W

Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

Optional accessories

Ceiling canopy

l = 166mm
w = 50mm
h = 35mm

17 DS 0500-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

For luminaire colour code -401 (white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.

Spotlights Silla SPL

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8



- Lighting technology HIT/G12
- for surface mounting
- Suspended luminaire with elliptical beam shape
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, 100(109)W
- Weight 1.5 kg

The supply lead and the double-wire suspension are connected permanently to the housing (can be shortened on site).



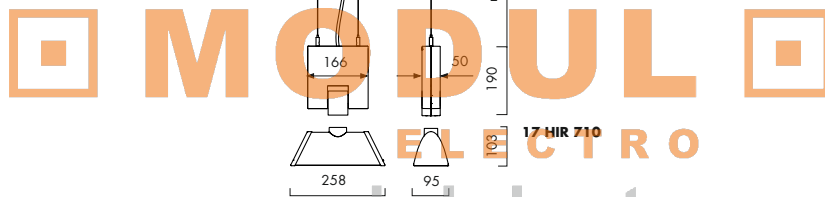
IP20

Control gear housing

for suspended mounting
steel cable 5m incl.

electronic ballast incl.
35 W
70 W
100 W

Article numbers
07 SPL 122-...
07 SPL 222-...
07 SPL 522-...



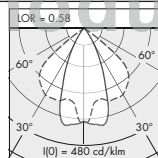
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+ Reflector HIT/G12

PSW

Safety glass incl.

17 HIR 710-...



C0_180		
h[m]	a[cm]	E[lx]
1.0	85	480
2.0	170	120
3.0	255	53
4.0	340	30
a[cm]		

C90_270		
h[m]	a[cm]	E[lx]
1.0	245	480
2.0	490	120
3.0	735	53
4.0	980	30
a[cm]		

+ Lamp

HIT/G12 35/70/100 W

Information about lamps ↗ 396

Optional accessories

Ceiling canopy

l = 166mm
w = 50mm
h = 35mm

17 DS 0500-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

For luminaire colour code -401(white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.

Spotlights Silla Factory



- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with integral reflector, symmetrical light distribution
- Aluminium lamp shade
- transparent cable
- Connection data: electronic ballast, 220-240V, 100 (109)W
- Weight 3.3 kg

The supply lead and the double-wire suspension are connected permanently to the housing (can be shortened on site).

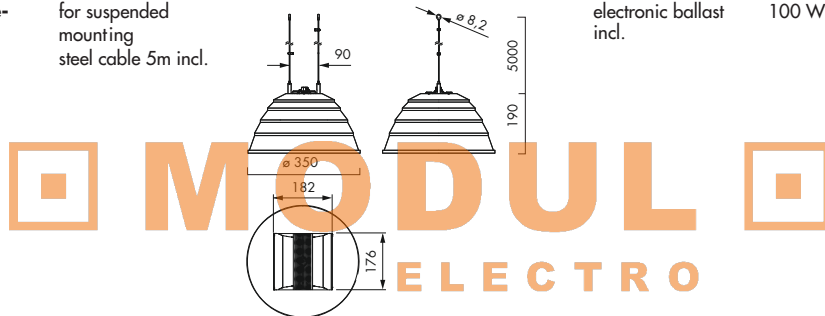


Control gear housing with integral reflector

for suspended mounting
steel cable 5m incl.

electronic ballast incl. 100 W

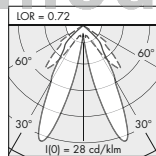
Article numbers
48 SK 09238-410



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HIT/G12

DDF



m	E [lx/km]	
	0.5 m	1.0 m
1.0	13	9
1.5	72	29
2.0	21	29
2.5	7	24
3.0	3	15
3.5	1	8
4.0	1	5

+ Lamps

HIT/G12 100 W

Information about lamps ↗ 396

Order information

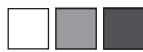
The luminaire is only available in the 'silver' version.

Spotlights Silla SEL



- Lighting technology HIT/G12
- recessed luminaire with integral reflector
- Spotlight as two-directional washer with symmetrical light distribution
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 2.0 kg

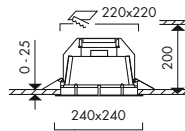
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



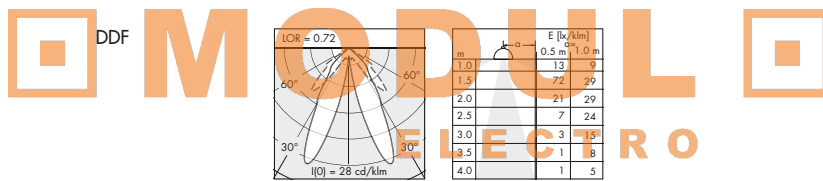
Recessed luminaire with integral reflector

Safety glass incl. 35/70/100/150 W

Article numbers
03 SEL 6XX...



HIT/G12



+ Ballast	Electronic ballast HIT/HIT-DE	220-240V 50/60Hz	35 W		27 VTE 1121
			70 W	27 VTE 1321	
conventional ballast HIT/HIT-DE	230V 50Hz	35 W	100 W	27 VT 1521-5F00	
			150 W	27 VT 1621	
			70 W	27 VTE 1161	
		240V 50Hz	150 W	27 VTE 1361	
			35 W	27 VTE 1661	
			70 W	27 VT 1164	
		150 W	27 VT 1364		
			27 VT 1664		

+ Lamps	HIT/G12 35/70/100/150 W	Information about lamps ↗ 396
		Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

Order information Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Spotlights Silla SWL

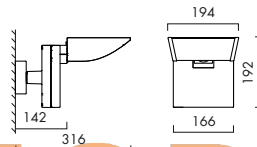


- Lighting technology HIT/G12
- for wall mounting
- Uplight with asymmetrical light distribution
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W, 100(109)W, 150(163)W
- Weight 1.75 kg (35-100W), 2.25 kg (150W)

Connection of light fitting to mains by means of 3-pole terminal block.

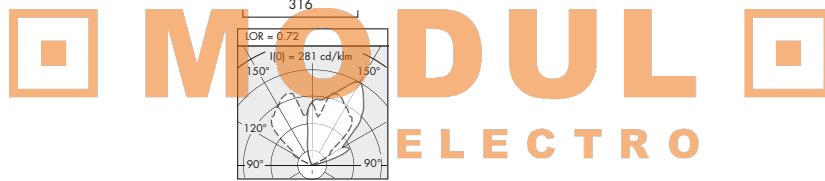


Wall mounted luminaire with integral reflector



electronic ballast incl.	35 W
	70 W
	100 W
	150 W

Article numbers
01 SWL 1102-...
01 SWL 2102-...
01 SWL 5102-...
01 SWL 3102-...



+ Lamp


HIT/G12 35/70/100/150 W


Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


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Recessed spotlights

Features and Benefits

1
2
3
4
5
6
7
8



Bola ↗147

- Unobtrusive design
- Rotationally symmetrical wallwasher with a low recessing depth creating an impression of being flush with the ceiling
- Efficient reflectors permit large distances between luminaires and reduce the number of luminaires
- The reflector equipment permits homogeneous illumination flush with the ceiling as far as the floor. Due to the secondary reflector, additional illumination of the top edges of the walls is not necessary

Punta ↗153

- Classic design
- Large tilting angle of between 50° and 70° permits ceiling-high lighting with optimum luminous efficiency
- Tool-free recessing mechanism saves mounting time and reduces mounting costs
- Extension of the large line of products by the addition of the HIT G8.5 lighting technology with a very high efficiency of up to 85% (LOR)

Cardo ↗165

- Classic, gimbal-mounted design
- The design networking with the series Brick, Light-stripe and Cardo Systems favours the creation of a harmonious ceiling design
- Due to mounting on gimbals, the light can be directed in any direction desired
- Extension of the large line of products by the addition of the HIT G8.5 lighting equipment with a very high efficiency of up to 85% (LOR)



Bola
Ø 147

Punta
Ø 153

Mounting dimensions

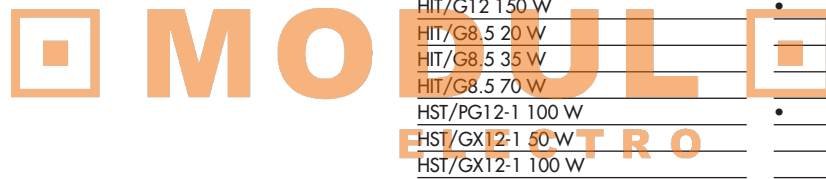
d = 95mm
d = 130mm
d = 185mm

Lighting technology

QRCBC51IRC/GU5.3 max. 50 W
QT-LP12/GY6.35 max. 90 W
HIT/G12 35 W
HIT/G12 70 W
HIT/G12 100 W
HIT/G12 150 W
HIT/G8.5 20 W
HIT/G8.5 35 W
HIT/G8.5 70 W
HST/PG12-1 100 W
HST/GX12-1 50 W
HST/GX12-1 100 W

Type of reflector

SSP
SP
MFL
FL
WFL



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Recessed spotlights

Compendium

- 1
- 2**
- 3
- 4
- 5
- 6
- 7
- 8



Cardo

Ø 165

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Recessed spotlights

Bola



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Wallwashers underline the architecture, provide spatial orientation and define proportions. With its special reflector technology, Bola succeeds in achieving a wide and uniform light distribution on the walls up to the ceiling. Moreover, this wallwasher has a low recessing depth of only 12 to 14.5 centimetres.

- Unobtrusive design
- Rotationally symmetrical wallwasher with a low recessing depth creating an impression of being flush with the ceiling
- Efficient reflectors permit large distances between luminaires and reduce the number of luminaires
- The reflector equipment permits homogeneous illumination flush with the ceiling as far as the floor. Due to the secondary reflector, additional illumination of the top edges of the walls is not necessary

Recessed spotlights

Compendium Bola



Bola SBI
∅ 149

Bola SBS
∅ 150

Mounting dimensions

d = 185mm

Lighting technology

HIT/G12 35 W
 HIT/G12 70 W
 HIT/G12 100 W
 HIT/G12 150 W
 HST/PG12-1 100 W

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Recessed spotlights

Bola SBI

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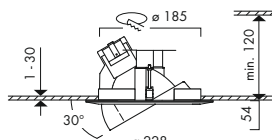
- Lighting technology HIT/G12
- for recessed mounting
- Wall washer with tilt angle to allow spotlighting to directly below the ceiling
- asymmetrical light distribution
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W;
conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 1.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



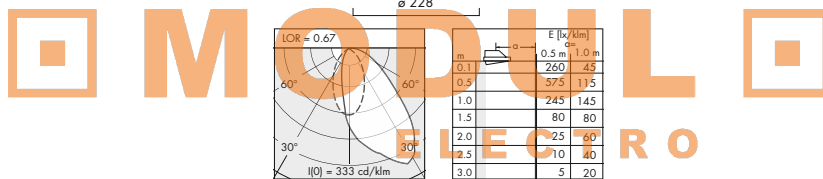
Recessed spotlight with integral reflector

HIT/G12



- Safety glass incl. 35/70/
100/150 W
- Mood-Filter Sun incl. 35/70 W
- Mood-Filter Gold incl. 35/70 W

- Article numbers**
- 04 SBI 6XX...
 - 04 SBI 6XX-SN...
 - 04 SBI 6XX-GD...



+ Ballast

Ballast Type	Voltage / Frequency	Power Options	Article Numbers	
Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	35 W	27 VTE 1121	
		70 W	27 VTE 1321	
		150 W	27 VT 1621	
		100 W	27 VT 1521-5F00	
conventional ballast HIT/HIT-DE	230V, 50Hz	35 W	27 VTE 1161	
		70 W	27 VTE 1361	
		150 W	27 VTE 1661	
		240V, 50Hz	35 W	27 VT 1164
		70 W	27 VT 1364	
		150 W	27 VT 1664	

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396
 Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.
 As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-410 = silver

Recessed spotlights

Bola SBS

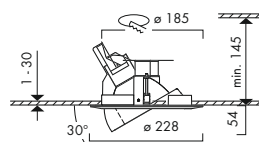


- Lighting technology HST/PG12-1
- for recessed mounting
- Wall washer with tilt angle to allow spotlighting to directly below ceiling
- asymmetrical light distribution
- Connection data: conventional ballast, 100(116)W
- Weight 1.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 green.



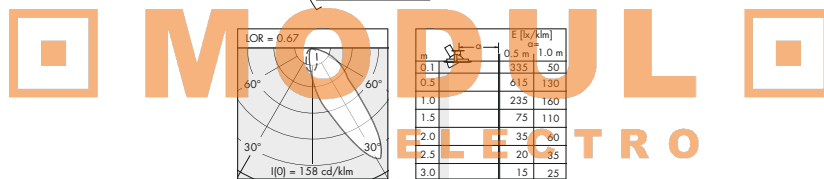
Recessed spotlight with integral reflector



Safety glass incl. 100 W

Article numbers
04 SBS 2511-...

HST/PG12-1



+ Ballast

conventional ballast
HST (SDW-T)

230V,
50Hz, 100 W
240V,
50Hz, 100 W

27 VT 2511
27 VT 2514


+ Lamp

HST/PG12-1 100 W

Information about lamps ↗ 397

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver


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Recessed spotlights

Punta



Punta- the classic among the recessed spotlights convinces with its special abilities. The reflector housing is located flexibly on a running ring and, in that way, ensures optimum mobility. Adjustment which is easy to carry out, does not require a locking mechanism. The newly developed tool-free recessing mechanism reduces the mounting costs. The large tilt-out angle of between 50° and 70° guarantees maximum lighting efficiency. With the extension of this large series by the addition of the HIT/G8.5 lighting equipment a very high efficiency of up to 85% is achieved. Punta stands for versatile use, from the pinpointed effect high up on the wall as far as the illumination of peripheral areas.

- Classic design
- Large tilting angle of between 50° and 70° permits ceiling-high lighting with optimum luminous efficiency
- Tool-free recessing mechanism saves mounting time and reduces mounting costs
- Extension of the large line of products by the addition of the HIT G8.5 lighting technology with a very high efficiency of up to 85% (LOR)

Recessed spotlights

Compendium Punta



Punta RLC
Ø 156

Punta RHC
Ø 157

Mounting dimensions

d = 95mm
d = 130mm
d = 185mm

Lighting technology

QRCBC51IRC/GU5.3 max. 50 W
QT-LP12/GY6.35 max. 90 W
HIT/G12 35 W
HIT/G12 70 W
HIT/G12 100 W
HIT/G12 150 W
HIT/G8.5 20 W
HIT/G8.5 35 W
HIT/G8.5 70 W
HST/GX12-1 50 W
HST/GX12-1 100 W

Type of reflector

SSP
SP
MFL
FL
WFL

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Punta RHI
↗ 158

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Punta RNS
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Punta NRO
↗ 161

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Punta NRK
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Recessed spotlights

Punta RLC



- Lighting technology HIT/G8.5
- for recessed mounting
- Recessed spotlight
- tilting and turning
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 1.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.

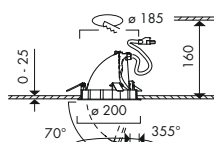


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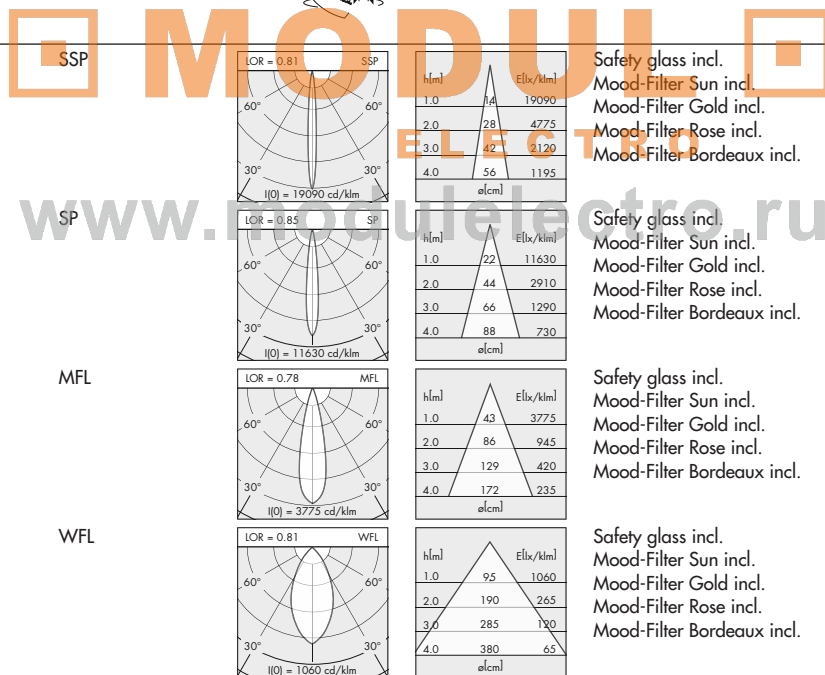
Recessed spotlight

20/35/70 W

Article numbers
04 RLC 6XX...



+ Reflector HIT/G8.5



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIS 810-...
17 HIS 810-SN-...
17 HIS 810-GD-...
17 HIS 810-RS-...
17 HIS 810-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIS 610-...
17 HIS 610-SN-...
17 HIS 610-GD-...
17 HIS 610-RS-...
17 HIS 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIS 410-...
17 HIS 410-SN-...
17 HIS 410-GD-...
17 HIS 410-RS-...
17 HIS 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIS 210-...
17 HIS 210-SN-...
17 HIS 210-GD-...
17 HIS 210-RS-...
17 HIS 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz
20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter
Honeycomb grid

UV filter

17 GL 1002
17 ZW 1070-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

Recessed spotlights

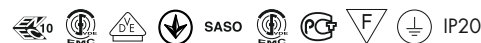
Punta RHC

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- Lighting technology HIT/G8.5
- for recessed mounting
- Recessed spotlight
- tilting and turning
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 0.8 kg

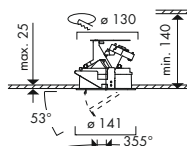
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Recessed spotlight

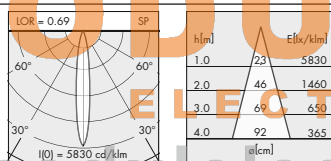
20/35/70 W

Article numbers
04 RHC 6XX-...



+ Reflector HIT/G8.5

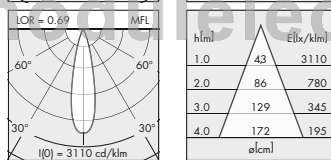
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIF 610-01-...
17 HIF 610-01-SN-...
17 HIF 610-01-GD-...
17 HIF 610-01-RS-...
17 HIF 610-01-BD-...

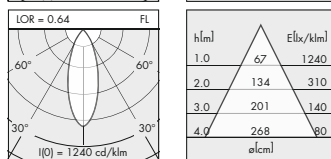
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIF 410-01-...
17 HIF 410-01-SN-...
17 HIF 410-01-GD-...
17 HIF 410-01-RS-...
17 HIF 410-01-BD-...

FL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIF 210-01-...
17 HIF 210-01-SN-...
17 HIF 210-01-GD-...
17 HIF 210-01-RS-...
17 HIF 210-01-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V, 50/60Hz
20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter

UV filter

17 ZS 2089-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

Recessed spotlights

Punta RHI

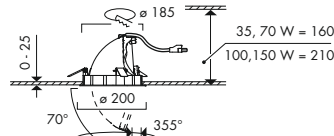


- Lighting technology HIT/G12
- for recessed mounting
- Recessed spotlight
- tilting and turning
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W;
conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 2.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Recessed spotlight



100/150 W
35/70 W

Article numbers
04 RHI 3XX-...
04 RHI 6XX-...

+ Reflector HIT/G12

Reflector	Beam Spread	Beam Angle	Beam Diameter (cm)	Beam Length (cm)	Beam Area (cm²)	Beam Volume (cm³)	Beam Weight (kg)	Beam Power (W)	Beam Weight (kg)
SSP	LOR = 0.70	60°	1.0	18	324	324	324	8430	8430
			2.0	36	1296	1296	2110	2110	
			3.0	54	2916	2916	935	935	
			4.0	72	5184	5184	525	525	
SP	LOR = 0.71	60°	1.0	25	625	625	6505	6505	
			2.0	50	2500	2500	1625	1625	
			3.0	75	5625	5625	725	725	
			4.0	100	10000	10000	410	410	
MFL	LOR = 0.69	60°	1.0	55	3025	3025	1880	1880	
			2.0	110	12100	12100	470	470	
			3.0	165	27225	27225	210	210	
			4.0	220	48400	48400	120	120	
WFL	LOR = 0.74	60°	1.0	105	11025	11025	820	820	
			2.0	210	44100	44100	205	205	
			3.0	315	99225	99225	90	90	
			4.0	420	176400	176400	50	50	

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIE 810-...
17 HIE 810-SN-...
17 HIE 810-GD-...
17 HIE 810-RS-...
17 HIE 810-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIE 610-...
17 HIE 610-SN-...
17 HIE 610-GD-...
17 HIE 610-RS-...
17 HIE 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIE 410-...
17 HIE 410-SN-...
17 HIE 410-GD-...
17 HIE 410-RS-...
17 HIE 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIE 210-...
17 HIE 210-SN-...
17 HIE 210-GD-...
17 HIE 210-RS-...
17 HIE 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W
150 W
100 W

27 VTE 1121
27 VTE 1321
27 VT 1621
27 VT 1521-5F00

conventional ballast
HIT/HIT-DE

230V,
50Hz

35 W
70 W
150 W

240V,
50Hz

35 W
70 W
150 W

27 VTE 1161
27 VTE 1361
27 VTE 1661
27 VT 1164
27 VT 1364
27 VT 1664

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories


Filter
Honeycomb grid

UV filter

17 GL 1002
17 ZW 1070-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver


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Recessed spotlights

Punta RNS



- Lighting technology HST/GX12-1
- for recessed mounting
- Recessed spotlight
- tilting and turning
- Connection data: conventional ballast, 50(60)W, 100(108)W
- Weight 2.0 kg

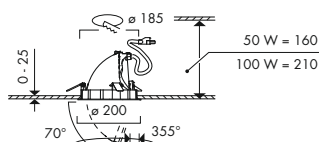
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 green.



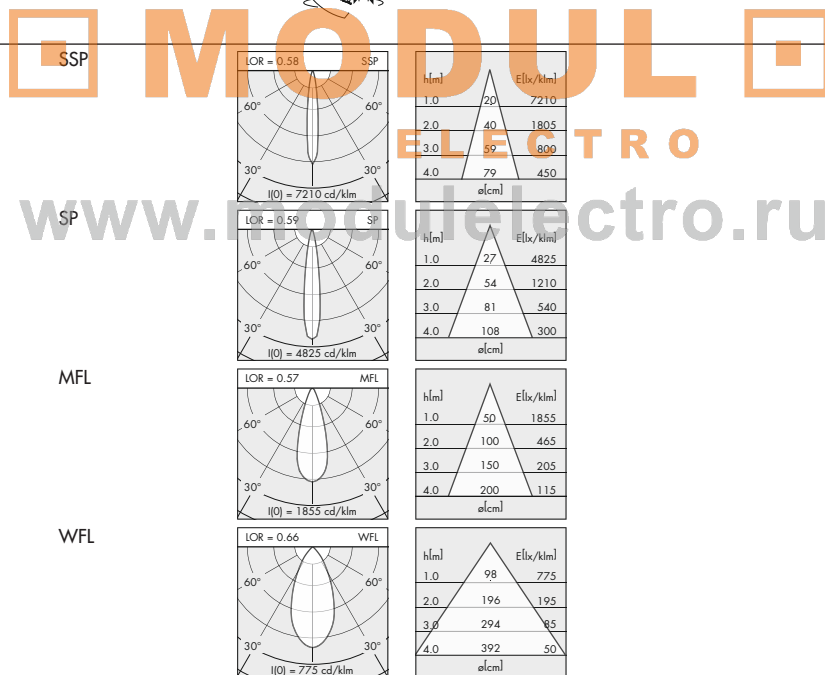
Recessed spotlight

50/100 W

Article numbers
04 RNS 7XX...



+ Reflector HST/GX12-1



17 HSE 810...

17 HSE 610...

17 HSE 410...

17 HSE 210...

+ Ballast

Electronic ballast
HST (SDW-TG)

220-240V,
50/60Hz

50 W
100 W

27 VT 2221
27 VT 2521

+ Lamp

HST/GX12-1 50/100 W

Information about lamps ↗ 397

Optional accessories

Honeycomb grid

17 ZW 1070...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

Recessed spotlights

Punta NRO



- Lighting technology QT-LP/GY6.35
- for recessed mounting
- Recessed spotlight
- tilting and turning
- Connection data: electronic transformer, 12V, max. 90W
- Weight 0.4 kg

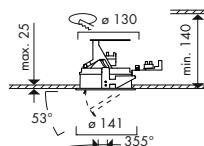
Connection of light fitting to ballast by means of 2-pole terminal block.



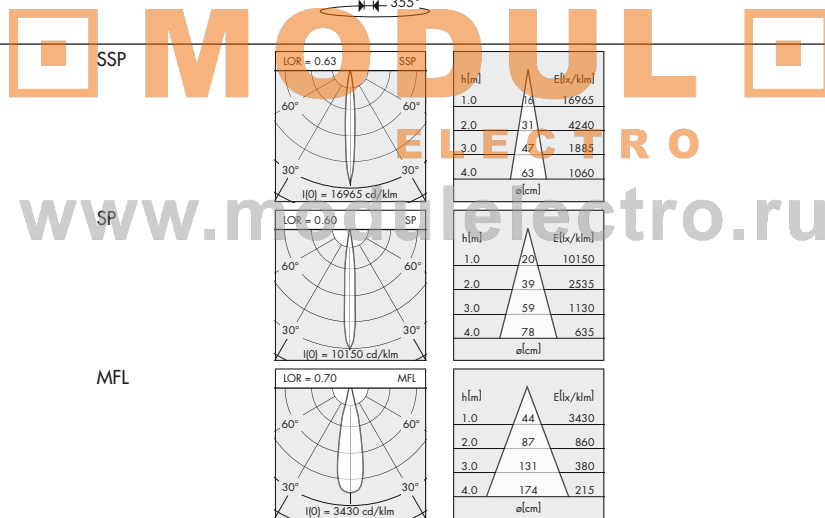
Recessed spotlight

max. 90 W

Article numbers
04 NRO 0XX-...



+ Reflector QT-LP12/GY6.35



+ Ballast	Electronic low voltage transformer QT-LP12/QR-CBC	230-240V/12V 50/60Hz	20-105 VA	15 NE 3018
+ Lamp	QT-LP12/GY6.35 20/35/50/75/90 W	Information about lamps ↗ 400		
Optional accessories	Filter Honeycomb grid	UV filter		17 ZS 2089-... 17 ZW 1010-...

Order information Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

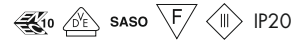
Recessed spotlights

Punta NRK



- Lighting technology QR-CBC51/GU5.3
- for recessed mounting
- Recessed spotlight
- tilting and turning
- Connection data: electronic transformer, 12V, max. 50W
- Weight 0.2 kg

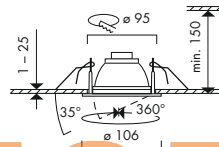
Connection of light fitting to ballast by means of 2-pole terminal block.



Recessed spotlight

max. 50 W

Article numbers
04 NRK 2100-...



+ Ballast

Electronic low voltage transformer
QT-LP12/QR-CBC

230-240V/12V,
50/60Hz

20-105 VA

15 NE 3018

+ Lamp


QR-CBC51IRC/GU5.3 20/35/50 W

Information about lamps ↗ 400

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-001 = white RAL9010 / ...-010 = silver RAL9006

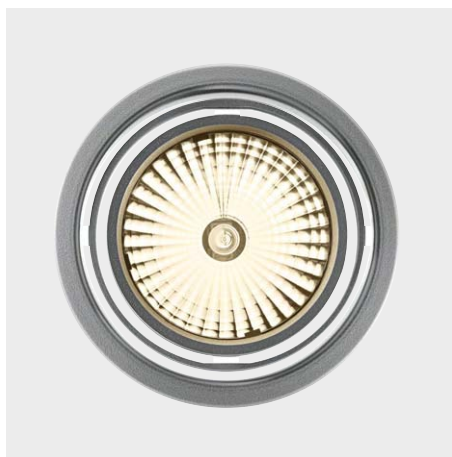
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Recessed spotlights

Cardo





 **MODUL** 
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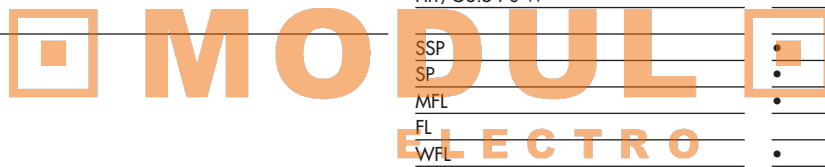
The Cardo product family comprises circular gimbal-mounted, recessed spotlights. At the same time, standardisation of the diameters (130 mm and 185 mm) not only give the ceiling a calm, harmonious appearance but also permit combination with luminaires from any of our other product series. For complex and economical lighting schemes, recessed spotlights, wallwashers and downlights are therefore available.

- Classic, gimbal-mounted design
- The design networking with the series Brick, Light-stripe and Cardo Systems favours the creation of a harmonious ceiling design
- Due to mounting on gimbals, the light can be directed in any direction desired
- Extension of the large line of products by the addition of the HIT G8.5 lighting equipment with a very high efficiency of up to 85% (LOR)

Recessed spotlights

Compendium Cardo

			
		Cardo CRI ↗ 168	Cardo CRC ↗ 170
Mounting dimensions	d = 130mm d = 185mm	•	•
Lighting technology	QT-LP12/GY6.35 max. 90 W HIT/G12 35 W HIT/G12 70 W HIT/G12 100 W HIT/G12 150 W HIT/G8.5 20 W HIT/G8.5 35 W HIT/G8.5 70 W	• • • • •	• • • • •
Type of reflector	SSP SP MFL FL WFL	• • • • •	• • • • •



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Cardo CBI
↗ 171

Cardo CBN
↗ 173

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 **MODUL** 
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Recessed spotlights

Cardo CRI

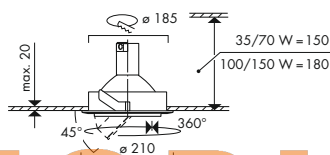


- Lighting technology HIT/G12
- for recessed mounting
- Recessed spotlight, gimbal mounted
- tilting and turning
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W;
conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 1.2 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



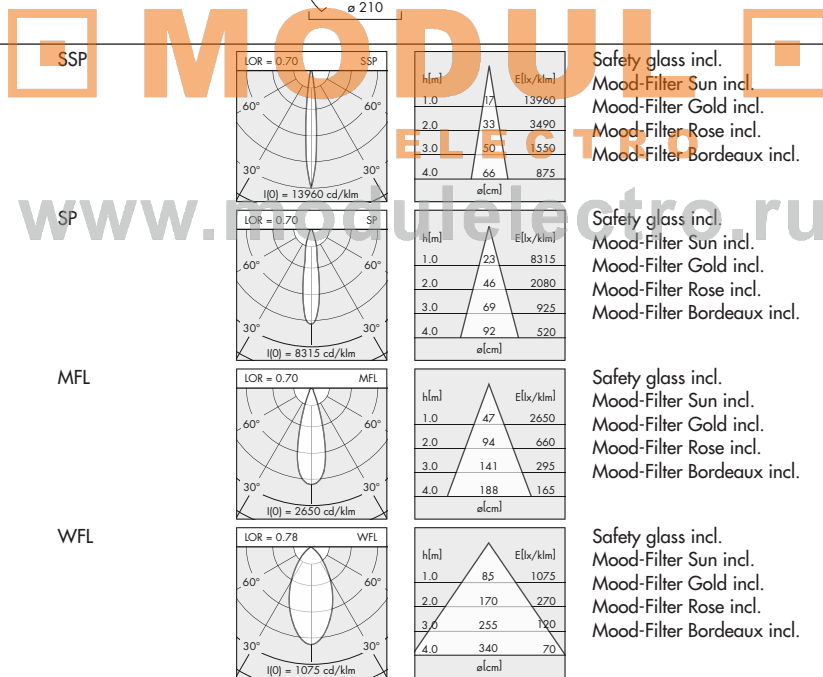
Recessed spotlight



100/150 W
35/70 W

Article numbers
04 CRI 3XX-...
04 CRI 6XX-...

+ Reflector HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 810-...
17 HIC 810-SN-...
17 HIC 810-GD-...
17 HIC 810-RS-...
17 HIC 810-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 610-...
17 HIC 610-SN-...
17 HIC 610-GD-...
17 HIC 610-RS-...
17 HIC 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 410-...
17 HIC 410-SN-...
17 HIC 410-GD-...
17 HIC 410-RS-...
17 HIC 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 210-...
17 HIC 210-SN-...
17 HIC 210-GD-...
17 HIC 210-RS-...
17 HIC 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W
150 W
100 W

27 VTE 1121
27 VTE 1321
27 VT 1621
27 VT 1521-5F00

conventional ballast
HIT/HIT-DE

230V,
50Hz

35 W
70 W
150 W

240V,
50Hz

35 W
70 W
150 W

27 VTE 1161
27 VTE 1361
27 VTE 1661
27 VT 1164
27 VT 1364
27 VT 1664

+ Lamp

HIT/G12 35/70/100/150 W

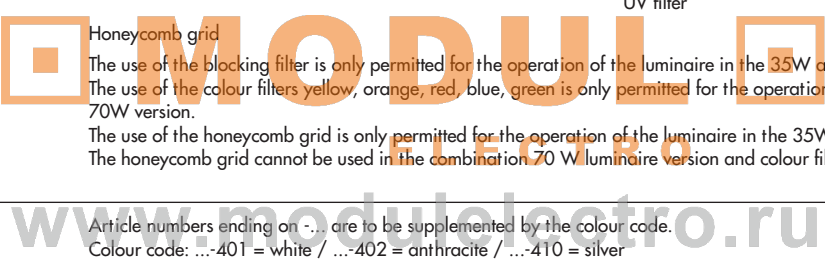
Information about lamps ↗ 396

As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories	Filter	Coloured glass filter	blue yellow green orange red	Article numbers 17 FF 0733 17 FF 0731 17 FF 0732 17 FF 0734 17 FF 0730 17 GL 1002 17 ZW 1060...
	Honeycomb grid			
	The use of the blocking filter is only permitted for the operation of the luminaire in the 35W and 70W version.			
	The use of the colour filters yellow, orange, red, blue, green is only permitted for the operation of the luminaire in the 35W and 70W version.			
	The use of the honeycomb grid is only permitted for the operation of the luminaire in the 35W and 70W versions.			
	The honeycomb grid cannot be used in the combination 70 W luminaire version and colour filter blue.			

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



Recessed spotlights

Cardo CRC



- Lighting technology HIT/G8.5
- for recessed mounting
- Recessed spotlight, gimbal mounted
- tilting and turning
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 1.2 kg

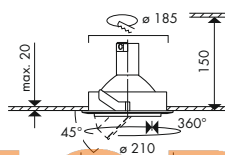
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



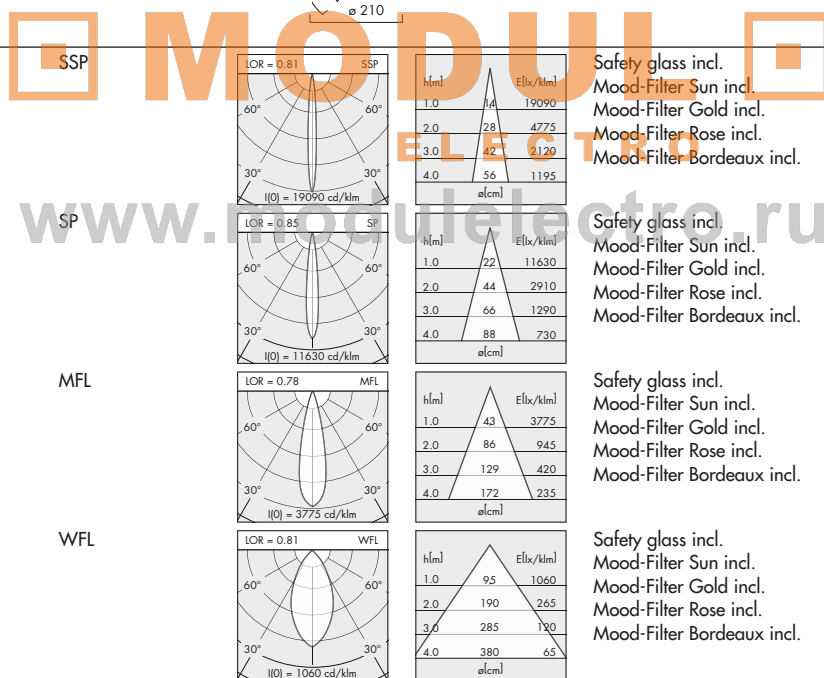
Recessed spotlight

20/35/70 W

Article numbers
04 CRC 6XX...



+ Reflector HIT/G8.5



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 810-...
17 HIU 810-SN-...
17 HIU 810-GD-...
17 HIU 810-RS-...
17 HIU 810-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 610-...
17 HIU 610-SN-...
17 HIU 610-GD-...
17 HIU 610-RS-...
17 HIU 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 410-...
17 HIU 410-SN-...
17 HIU 410-GD-...
17 HIU 410-RS-...
17 HIU 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 210-...
17 HIU 210-SN-...
17 HIU 210-GD-...
17 HIU 210-RS-...
17 HIU 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz
20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

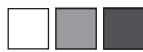
Recessed spotlights

Cardo CBI



- Lighting technology HIT/G8.5
- for recessed mounting
- Recessed spotlight, gimbal mounted
- tilting and turning
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 0.7 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.

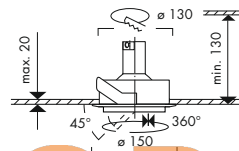


IP20

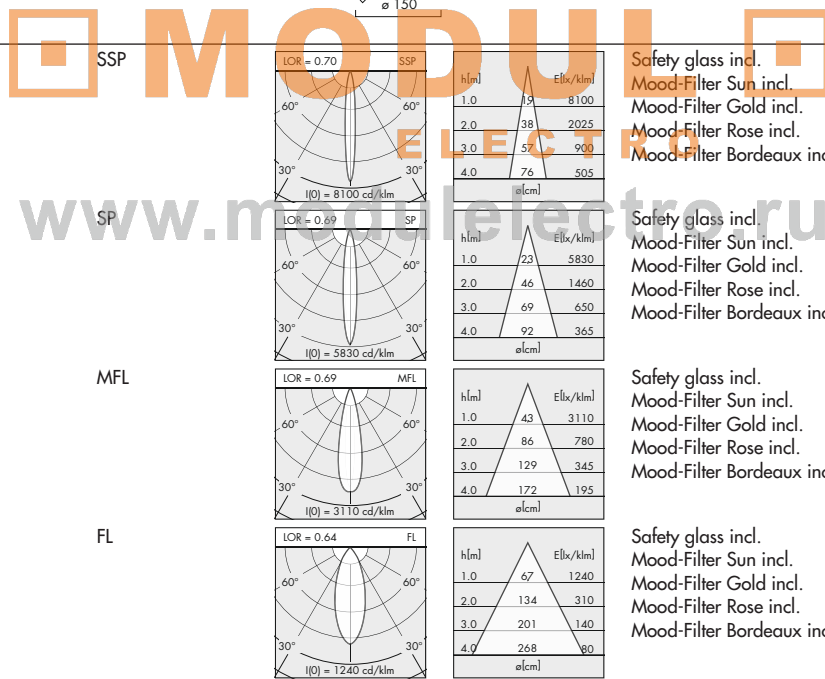
Recessed spotlight

20/35/70 W

Article numbers
04 CBI 6XX...



+ Reflector HIT/G8.5



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 810-...
17 HIB 810-SN-...
17 HIB 810-GD-...
17 HIB 810-RS-...
17 HIB 810-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 610-...
17 HIB 610-SN-...
17 HIB 610-GD-...
17 HIB 610-RS-...
17 HIB 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 410-...
17 HIB 410-SN-...
17 HIB 410-GD-...
17 HIB 410-RS-...
17 HIB 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 210-...
17 HIB 210-SN-...
17 HIB 210-GD-...
17 HIB 210-RS-...
17 HIB 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V, 50/60Hz
20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Glare reduction cylindric
Filter

Coloured glass filter
blue
yellow
green
orange
red
UV filter

17 AS 2000
17 GL 1021
17 GL 1023
17 GL 1022
17 GL 1024
17 GL 1020
17 GL 1010
17 WR 0003

Honeycomb grid


The use of the colour filters blue, green is only permitted for the operation of the luminaire in the 20W and 35W versions.

Recessed spotlights

Cardo CBI

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


MODULO
ELECTRO
www.modulelectro.ru

Recessed spotlights

Cardo CBN



- Lighting technology QT-LP12/GY6.35
- for recessed mounting
- Recessed spotlight, gimbal mounted
- tilting and turning
- Connection data: electronic transformer, 12V, max. 90W
- Weight 0.7 kg

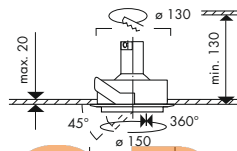
Connection of light fitting to ballast by means of 2-pole terminal block.



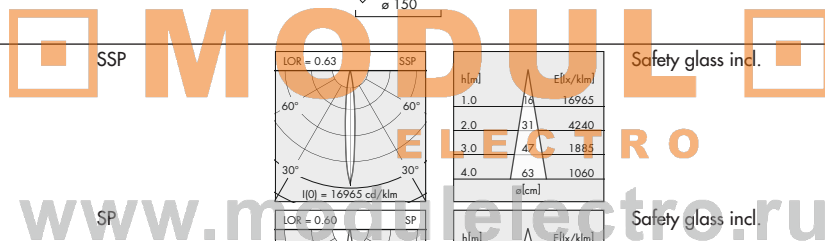
Recessed spotlight

max. 90 W

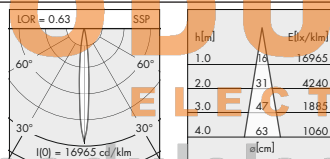
Article numbers
04 CBN OXX-...



+ Reflector QT-LP12/GY6.35



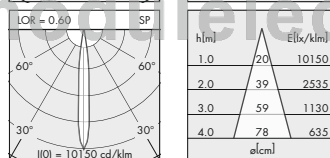
SSP



Safety glass incl.

17 HIB 810-...

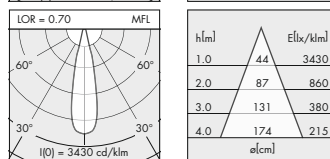
SP



Safety glass incl.

17 HIB 610-...

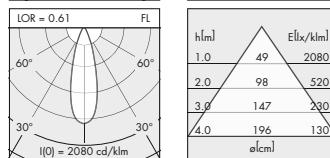
MFL



Safety glass incl.

17 HIB 410-...

FL




Safety glass incl.

17 HIB 210-...

+ Ballast	Electronic low voltage transformer QT-LP12/QR-CBC	230-240V/12V, 50/60Hz	20-105 VA	15 NE 3018
+ Lamp	QT-LP12 IRC/GY6.35 35/50/65 W QT-LP12/GY6.35 20/35/50/75/90 W	Information about lamps ↗ 400 Information about lamps ↗ 400		
Optional accessories	Glare reduction cylindric Filter	UV filter		17 AS 2000 17 GL 1010

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


MODULO
ELECTRO
www.modulelectro.ru

Downlights

Features and Benefits



Maxx 1179

- Minimalistic design
- The reflector is the shape-determining moment
- Excellent glare-reduction of the reflectors for perfect ease of vision
- Large variety of structural shapes: the luminaire gradually grows out of the ceiling to achieve an optimum lighting effect in every situation

Pizza 1195

- Simple luminaire design - natural light incidence
- The intrinsic brightness of the luminaire serves as a ceiling design element
- Integrated downlights with high luminous intensity for accentuation

Linea 1203

- Classic design
- Good glare reduction of the reflectors for optimum ease of vision
- MultiWatt ballast increases the flexibility for the use of various lamp wattages
- Solution for ambient lighting with good price/performance ratio

www.modulelectro.ru

Mounting dimensions

- d = 85mm
- d = 95mm
- d = 130mm
- d = 145mm
- d = 185mm
- d = 245mm
- d = 248mm
- d = 402mm
- d = 535mm
- l = 600mm, w = 600mm

Lighting technology

- QT-LP12/GY6.35 max. 50 W
- HIT/G12 35 W
- HIT/G12 70 W
- HIT/G12 100 W
- HIT/G12 150 W
- HIT/G8.5 20 W
- HIT/G8.5 35 W
- HIT/G8.5 70 W
- HIT/PGJ5 20 W
- TC-L/2G11 18 W
- TC-L/2G11 24 W
- TC-L/2G11 36 W
- TC-L/2G11 55 W
- TC-DEL/GX24q-3 26 W
- TC-TEL/GX24q-3 26 W
- TC-TEL/GX24q-4 42 W
- LED

Ballast

- electronic ballast incl.

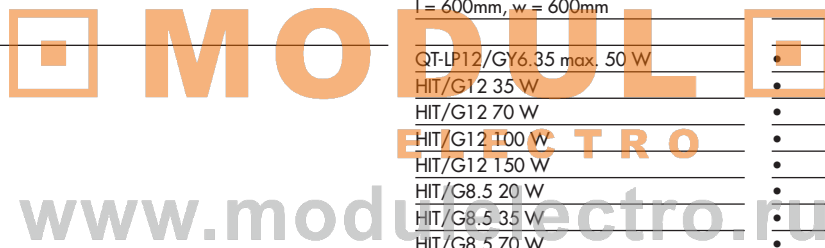
Type of reflector

- MFL
- FL
- WFL
- VWFL



Maxx
↗ 179

Pizza
↗ 195





Downlights



Maxx



The Maxx product line is a range of luminaires of uniformly shaped design for universal lighting tasks. Innovative reflector equipment produces glare-free light and thus provides good visibility. Recessed, semi-recessed, surface mounted and pendant versions are available and can in each case be equipped with LED, low voltage halogen, metal halide and compact fluorescent lamps. Different reflector sizes and beam angles provide precise lighting options for a variety of uses.

- Minimalistic design
- The reflector is the shape-determining moment
- Excellent glare-reduction of the reflectors for perfect ease of vision
- Large variety of structural shapes: the luminaire gradually grows out of the ceiling to achieve an optimum lighting effect in every situation



Downlights Compendium Maxx

			
		Maxx MBB ↗ 183	Maxx TCO ↗ 184
Mounting dimensions	d = 85mm		
	d = 95mm		
	d = 130mm	•	
Lighting technology	QT-LP12/GY6.35 max. 50 W		
	HIT/G12 35 W	•	
	HIT/G12 70 W	•	
	HIT/G12 100 W	•	
	HIT/G12 150 W		
	HIT/G8.5 20 W		•
	HIT/G8.5 35 W		•
	HIT/G8.5 70 W		•
	HIT/PGJ5 20 W		
	LED		
Ballast	electronic ballast incl.		
Type of reflector	MFL		
	FL		
	WFL	•	•
	VWFL	•	

MODUL ELECTRO

www.modulelectro.ru

Downlights Compendium Maxx

			
Mounting dimensions	d = 95mm	Maxx MCC ∅ 192	Maxx MBE ∅ 193
Lighting technology	HIT/G12 35 W		•
	HIT/G12 70 W		•
	HIT/G8.5 35 W	•	
	HIT/G8.5 70 W	•	
Ballast	electronic ballast incl.		•
Type of reflector	FL		•
	WFL	•	•
	VWFL	•	•

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Downlights Maxx MBB

1
2
3
4
5
6
7
8

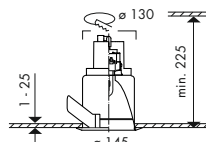


- Lighting technology HIT/G12
- for recessed mounting
- Downlight
- high cut-off angle
- Connection data: electronic ballast, 35 (42)W, 70(80)W, 100(109)W; conventional ballast, 35(48)W, 70(88)W
- Weight 1.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



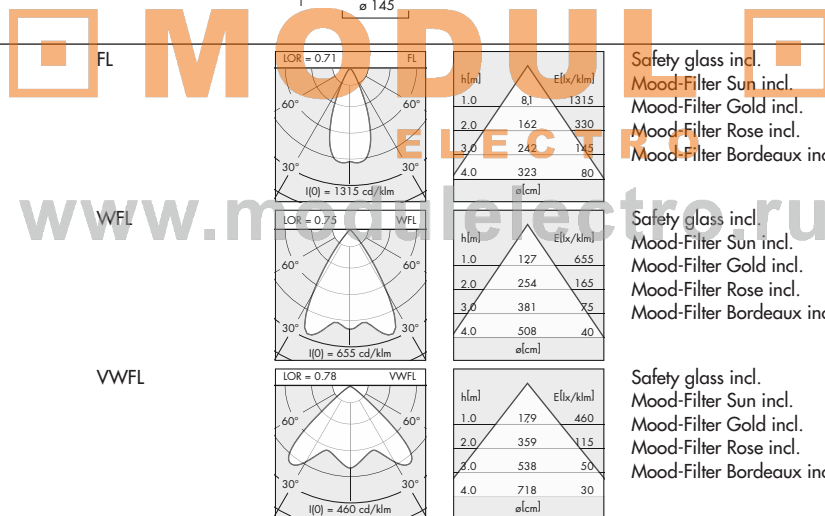
Recessed luminaire



highly reflective coated
35/70/100 W
35/70/100 W

Article numbers
03 MBB 6XX
03 MBB 6XX...

+ Reflector HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 410
17 HIH 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Ballast

Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	35 W	27 VTE 1121
		70 W	27 VTE 1321
		100 W	27 VT 1521-5F00
conventional ballast HIT/HIT-DE	230V, 50Hz	35 W	27 VTE 1161
		70 W	27 VTE 1361
	240V, 50Hz	35 W	27 VT 1164
		70 W	27 VT 1364

+ Lamp

HIT/G12 35/70/100 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite

The use of the mood filters is only permitted for the operation of the luminaire in the 35W and 70W version.

Downlights Maxx TCO



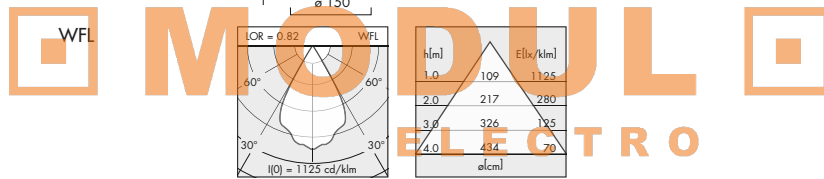
- Lighting technology HIT/G8.5
- for recessed mounting
- Downlight, flush reflector
- high cut-off angle
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 0.4 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Recessed luminaire with integral reflector

HIT/G8.5



Safety glass incl. 20/35/70 W

Article numbers
03 TCO 6210-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz

20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Downlights Maxx MCA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

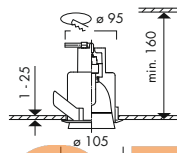


- Lighting technology HIT/G8.5
- for recessed mounting
- Downlight, slightly protruding reflector
- high cut-off angle
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 0.6 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



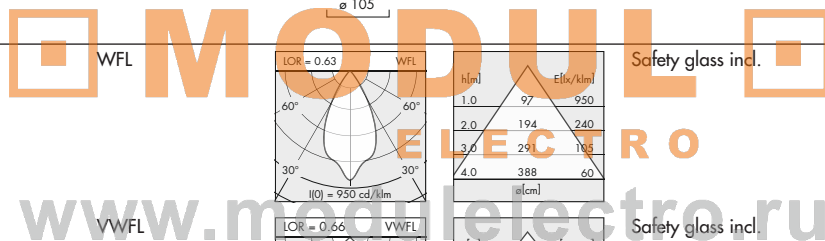
Recessed luminaire



highly reflective coated
35/70 W
35/70 W

Article numbers
03 MCA 6XX
03 MCA 6XX...

+ Reflector HIT/G8.5



+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz
35 W
70 W

27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite

Downlights Maxx MCB

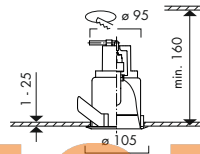


- Lighting technology HIT/G8.5
- for recessed mounting
- Downlight, flush reflector
- high cut-off angle
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 0.6 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Recessed luminaire

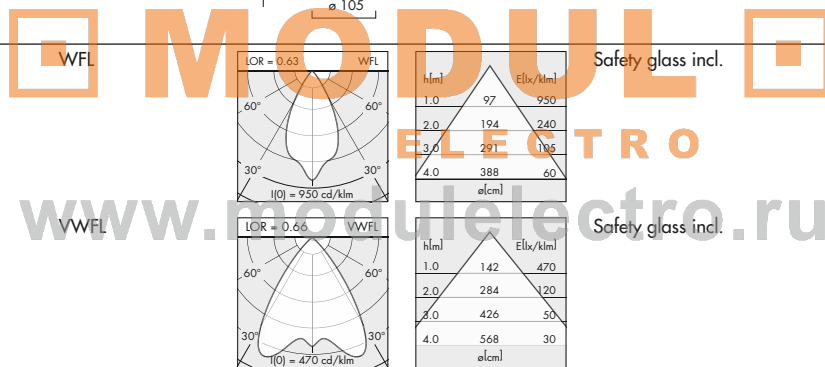


highly reflective coated

35/70 W
35/70 W

Article numbers
03 MCB 6XX
03 MCB 6XX...

+ Reflector HIT/G8.5



Safety glass incl.

17 HIK 610

Safety glass incl.

17 HIK 410

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W

27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite

Downlights Maxx MCL



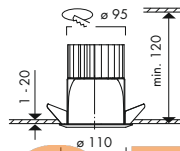
- Lighting technology LED
- for recessed mounting
- Downlight with integral reflector
- high cut-off angle
- Connection data: supply unit, 23(26)W, 1000lm, 700mA, CCT 3000K or 4000K, CRI > 80
- Weight 0.9 kg

Connection of light fitting to ballast by means of Wieland safety plug system GST15i2 50V.



IP20

Recessed luminaire with integral reflector

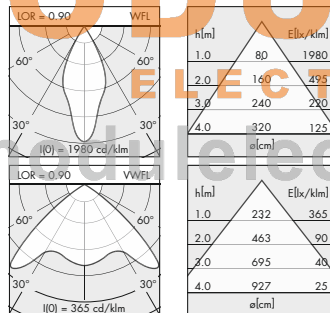
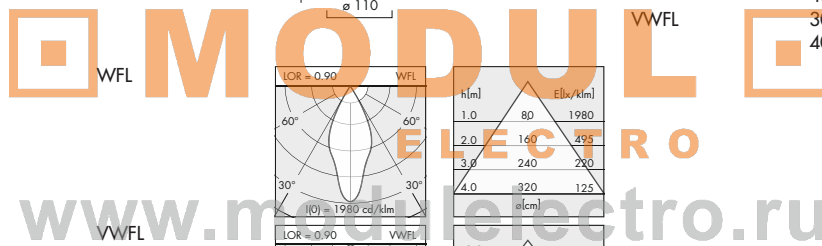


MFL	3000 K
	4000 K
FL	3000 K
	4000 K
WFL	3000 K
	4000 K
VWFL	3000 K
	4000 K

Article numbers

03 MCL 1620
03 MCL 1630
03 MCL 1420
03 MCL 1430
03 MCL 1220
03 MCL 1230
03 MCL 1120
03 MCL 1130

LED



+ Ballast	Supply unit	110-240V, dimmable 1-10V 50/60Hz	max. 25 W	17 LE 7013
		220-240V 50/60Hz	max. 33 W	17 LE 7012

Lamp	LED
-------------	-----

Order information	The luminaire is only available in the 'high brilliance' version.
--------------------------	---

Downlights Maxx MHM



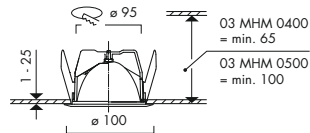
- Lighting technology HIT/PGJ5
- for recessed mounting
- Downlight with integral electronic ballast
- Suitable for show-cases or changing cubicles
- Connection data: electronic ballast, 220-240V, 20(25)W
- Weight 0.2 kg

Connection of light fitting to mains by means of connection cable (1 m) left bare ended.



IP20

Recessed luminaire with integral reflector

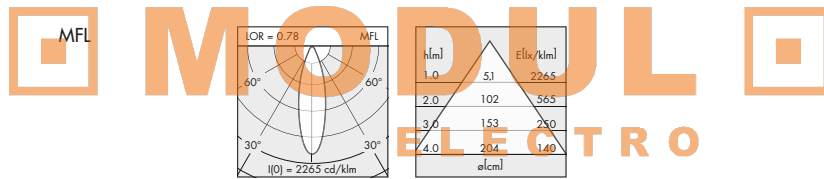


Safety glass incl.,
electronic ballast
incl.

20 W
20 W

Article numbers
03 MHM 0400
03 MHM 0500

HIT/PGJ5



+ Lamp

HIT/PGJ5 20 W

Information about lamps ↗ 396

Order information

The luminaire is only available in the 'high brilliance' version.
The ballast (electronic) is included in the scope of supply.

Downlights Maxx MHN

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8



- Lighting technology QT-LP12/GY6.35
- for recessed mounting
- Downlight
- high cut-off angle
- Connection data: electronic transformer, 12V, max. 50W
- Weight 0.2 kg

Connection of light fitting to ballast by means of 2-pole terminal block.

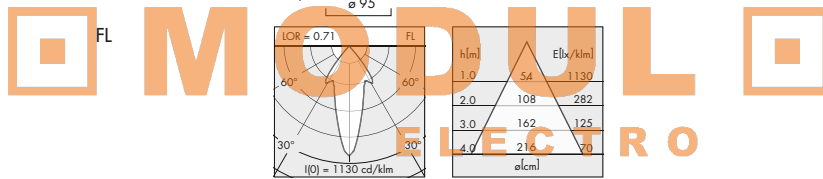
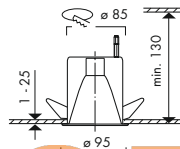


Recessed luminaire with integral reflector

max. 50 W

Article numbers
03 MHN 0100

QT-LP12/GY6.35



+ Ballast

Electronic low voltage transformer
QT-LP12/QR-CBC

230-240V/12V, 20-105 VA
50/60Hz

15 NE 3018

+ Lamp

QT-LP12 IRC/GY6.35 35/50 W
QT-LP12/GY6.35 20/35/50 W

Information about lamps ↗ 400
Information about lamps ↗ 400

Order information

The luminaire is only available in the 'high brilliance' version.

Downlights Maxx MHL



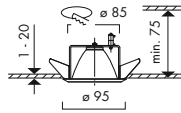
- Lighting technology LED
- for recessed mounting
- Downlight with integral reflector SP
- high cut-off angle
- Connection data: supply unit, 3.6W, 3000K, 4000K or 5000K, 200lm, CRI>80; 6.5W, 3000K, 400lm, CRI> 80, 700mA
- Weight 0.3 kg

Connection of LED to supply unit by means of 2-pole cable.



Recessed luminaire with integral reflector

for ceilings with thickness of 1-20 mm



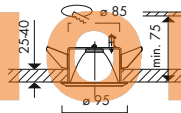
200 lm

3000 K
4000 K
5000 K

Article numbers

03 MHL 1820
03 MHL 1830
03 MHL 1840

for ceilings with thickness of 25-40 mm



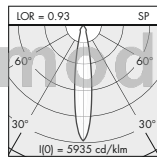
200 lm

3000 K
4000 K
5000 K
3000 K

03 MHL 2820
03 MHL 2830
03 MHL 2840
03 MHL 3820

LED

SP



h[m]	Ø[cm]	E[lx/klm]
1.0	30	5935
2.0	60	1485
3.0	90	660
4.0	120	370

www.modulelectro.ru

+ Ballast

Supply unit

220-240V
50/60Hz

max. 11 W

17 LE 7017

+ Lamp

LED

Order information

The luminaire is only available in the 'high brilliance' version.

Downlights Maxx MBC

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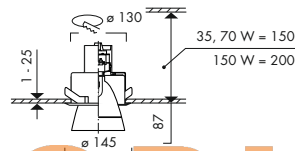


- Lighting technology HIT/G12
- for recessed mounting
- Semi-recessed downlight
- high cut-off angle
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W
- Weight 0.8 kg
- Gewicht 0,8 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



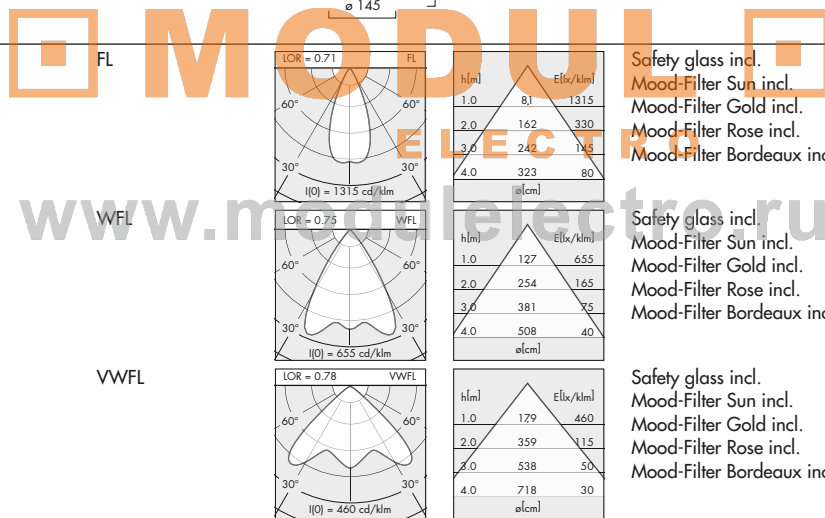
Recessed luminaire



highly reflective 100/150 W
35/70 W
coated 100/150 W
35/70 W

Article numbers
03 MBC 3XX
03 MBC 6XX
03 MBC 3XX-...
03 MBC 6XX-...

+ Reflector HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 410
17 HIH 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V, 35 W
50/60Hz 70 W
150 W
100 W

27 VTE 1121
27 VTE 1321
27 VT 1621
27 VT 1521-5F00

conventional ballast
HIT/HIT-DE

230V, 35 W
50Hz 70 W
240V, 35 W
50Hz 70 W

27 VTE 1161
27 VTE 1361
27 VT 1164
27 VT 1364

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396

Note for 150 W lamps: only use lamps with a diameter of 20 mm (e.g. Philips CDM-T) only.
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite

Downlights Maxx MCC

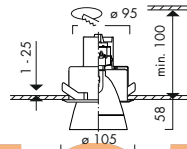


- Lighting technology HIT/G8.5
- for recessed mounting
- Semi-recessed downlight
- high cut-off angle
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 0.5 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Recessed luminaire



highly reflective coated

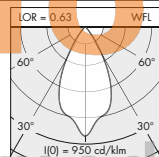
35/70 W
35/70 W

Article numbers
03 MCC 6XX
03 MCC 6XX-...

+ Reflector HIT/G8.5



WFL

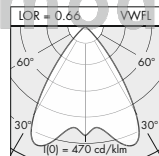


h[m]	E _{lx} [klm]
1.0	97
2.0	194
3.0	291
4.0	388
ø[cm]	
60	

Safety glass incl.

17 HIK 610

VWFL



h[m]	E _{lx} [klm]
1.0	142
2.0	284
3.0	426
4.0	568
ø[cm]	
30	

Safety glass incl.

17 HIK 410

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W

27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite

Downlights Maxx MBE

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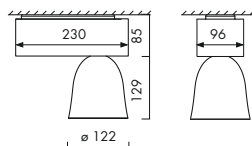
- Lighting technology HIT/G12
- for surface mounting
- Surface mounted downlight with integral electronic ballast
- high cut-off angle
- Connection data: electronic ballast, 230-240V, 35(42)W, 70(80)W
- Weight 1.8 kg

Connection of light fitting to mains by means of 3-pole terminal block.



IP20

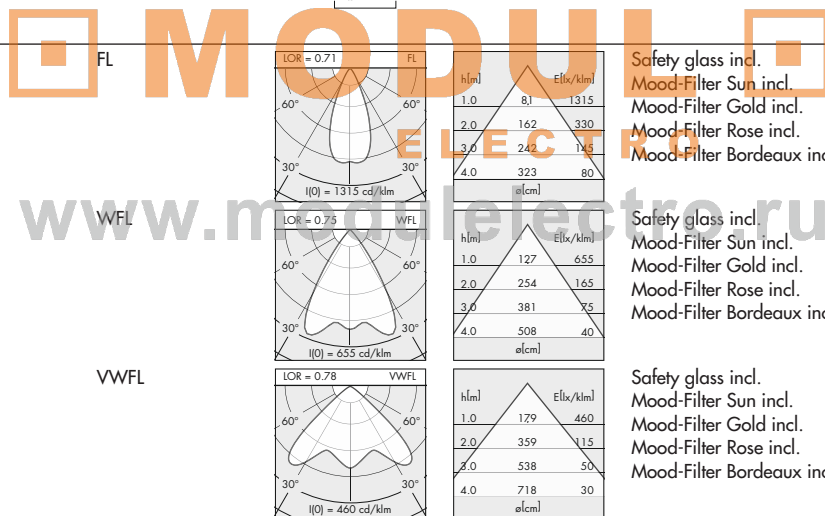
Surface mounted luminaire



electronic ballast incl. 35 W
70 W

Article numbers
01 MBE 102-...
01 MBE 202-...

+ Reflector HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 410
17 HIH 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Lamp

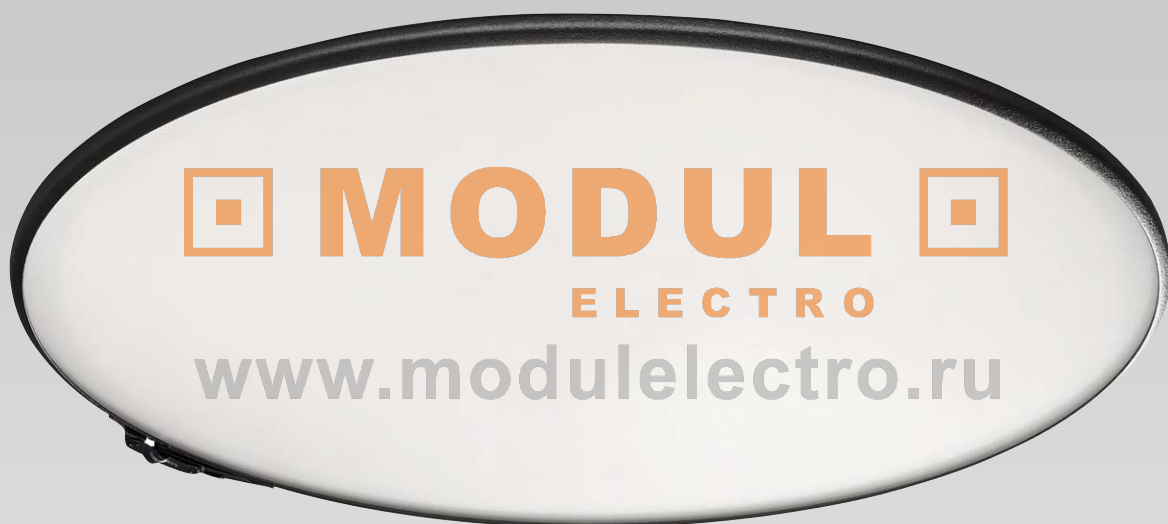
HIT/G12 35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

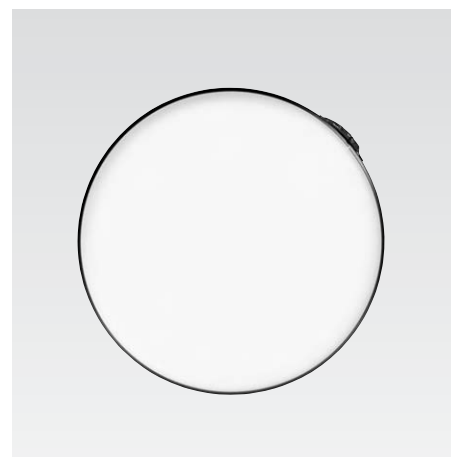
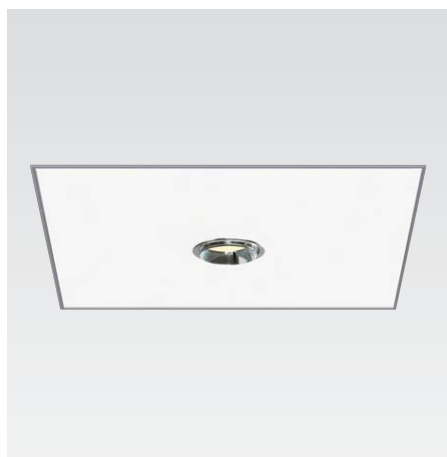
Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite



Downlights

Pizza


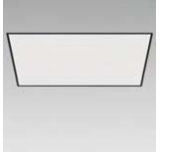


Pizza is a downlight series of round or rectangular shape for compact fluorescent lamps. The luminaires are closed with white opal acrylic glasses. Thus the impression of a hovering disc or the appearance of diffused daylight falling through an opening in the ceiling is created. The range is supplemented by luminaires with integrated powerful downlights for accentuation. Pizza is suitable both for ambient lighting and for the entrance areas or points of decoration.

- Simple luminaire design - natural light incidence
- The intrinsic brightness of the luminaire serves as a ceiling design element
- Integrated downlights with high luminous intensity for accentuation

Downlights

Compendium Pizza

			
		Pizza PLC ↗ 198	Pizza PLK ↗ 199
Mounting dimensions	d = 402mm d = 535mm l = 600mm, w = 600mm	•	•
Lighting technology	HIT/G8.5 20 W HIT/G8.5 35 W HIT/G8.5 70 W TC-L/2G11 18 W TC-L/2G11 24 W TC-L/2G11 36 W TC-L/2G11 55 W	•	•
Ballast	electronic ballast incl.	•	•
Type of reflector	WFL		

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Pizza PLK

➤ 200

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ELECTRO
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Downlights Pizza PLC

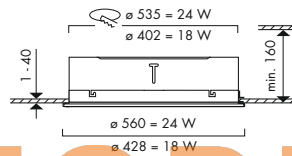


- Lighting technology TC-L/2G11
- for recessed mounting
- Downlight with integral electronic ballast and white-opal acrylic glass
- Coated glass retaining ring
- Connection data: electronic ballast, 220-240V, 3x18(60)W, 3x24(78)W
- Weight 7.5 kg

Connection of light fitting to mains by means of 5-pole terminal block.



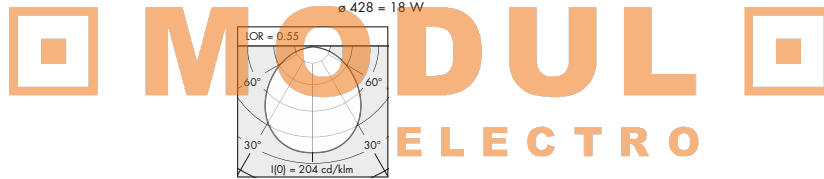
Recessed luminaire



electronic ballast incl. 3 x 18 W
3 x 24 W

Article numbers
03 PLC 1074-...
03 PLC 1075-...

TC-L/2G11



+ Lamp

TC-L/2G11 18/24 W

Information about lamps ↗ 398

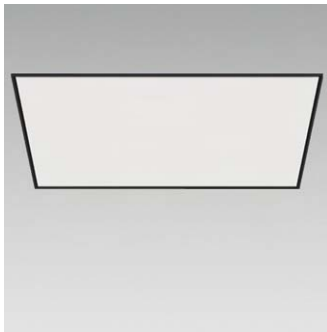
Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

The ballast (electronic) is included in the scope of supply.

Downlights Pizza PLK

- 1
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- 4
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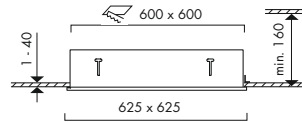
- Lighting technology TC-L/2G11
- for recessed mounting
- Downlight with integral electronic ballast and white-opal acrylic glass
- Coated glass retaining frame
- Connection data: electronic ballast, 220-240V, 3x55(182)W
- Weight 8.9 kg

Connection of light fitting to mains by means of 5-pole terminal block.



IP20

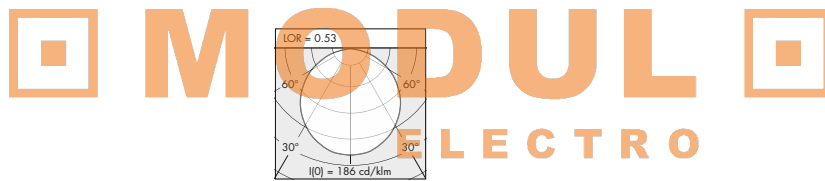
Recessed luminaire



electronic ballast 3 x 55 W
incl.

Article numbers
03 PLK 6200-...

TC-L/2G11



+ Lamp

TC-L/2G11 55 W

Information about lamps ↗ 398

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

The ballast (electronic) is included in the scope of supply.

Downlights Pizza PLK



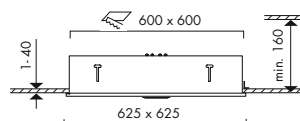
- Lighting technology TC-L/2G11, HIT/G8.5
- for recessed mounting, individually switchable
- Downlight with integral electronic ballast and white-opal acrylic glass
- integral HIT downlight, remote gear
- Coated glass retaining frame
- Connection data: TC-L, electronic ballast, 220-240V, 4x36(150)W; HIT/G8.5, electronic ballast, 20(24)W, 35(42)W, 70(83)W
- Weight 9.7 kg



TC-L: Connection of light fitting to mains by means of 5-pole terminal block.
HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.

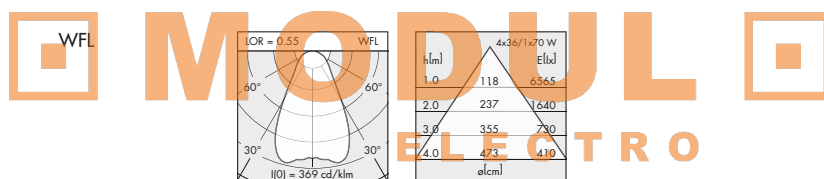


Recessed luminaire with downlight



Article numbers
03 PLK 5262-...

TC-L/2G11



+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W
TC-L/2G11 36 W


Information about lamps ↗ 396

Information about lamps ↗ 398

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-410 = silver

The ballast (electronic) for the lighting technology TC-L is included in the scope of supply. The lighting technology for the downlight must be ordered separately.


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ELECTRO
www.modulelectro.ru



Downlights

Linea





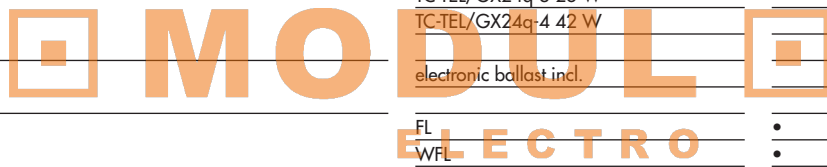
Linea is a family of powerful downlights with a selection of diameters. The advantages of the range are to be seen in the variety of available light sources and reflectors. The downlights yield balanced ambient lighting in retail areas or halls and are used for high-performance but economical lighting solutions.

- Classic design
- Good glare reduction of the reflectors for optimum ease of vision
- MultiWatt ballast increases the flexibility for the use of various lamp wattages
- Solution for ambient lighting with good price/performance ratio

Downlights

Compendium Linea

			
		Linea SRV ↗ 206	Linea SRC ↗ 207
Mounting dimensions	d = 145mm		•
	d = 185mm	•	
	d = 245mm		
	d = 248mm		
Lighting technology	HIT/G12 35 W	•	•
	HIT/G12 70 W	•	•
	HIT/G12 100 W	•	•
	HIT/G12 150 W	•	•
	TC-DEL/G24q-3 26 W		
	TC-TEL/GX24q-3 26 W		
	TC-TEL/GX24q-4 42 W		
Ballast	electronic ballast incl.		
Type of reflector	FL	•	
	WFL	•	•



www.modulelectro.ru



Linea TCC
↗ 208

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Linea TEG
↗ 209

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 **MODUL** 
ELECTRO

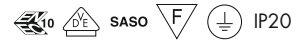
www.modulelectro.ru

Downlights Linea SRV



- Lighting technology HIT/G12
- for recessed mounting
- Downlight
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 1.0 kg

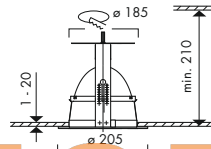
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



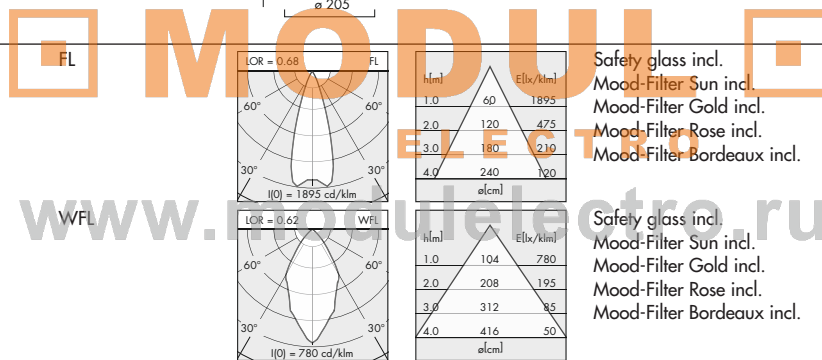
Recessed luminaire

35/70/100/
150 W

Article numbers
03 SRV 6XX



+ Reflector HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIL 410
17 HIL 410-SN
17 HIL 410-GD
17 HIL 410-RS
17 HIL 410-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIL 210
17 HIL 210-SN
17 HIL 210-GD
17 HIL 210-RS
17 HIL 210-BD

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W
150 W
100 W

27 VTE 1121
27 VTE 1321
27 VT 1621
27 VT 1521-5F00

conventional ballast
HIT/HIT-DE

230V,
50Hz

35 W
70 W
150 W

240V,
50Hz

35 W
70 W
150 W

27 VTE 1161
27 VTE 1361
27 VTE 1661
27 VT 1164
27 VT 1364
27 VT 1664

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396

As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

The luminaire is only available in the 'white' version.

Downlights Linea SRC

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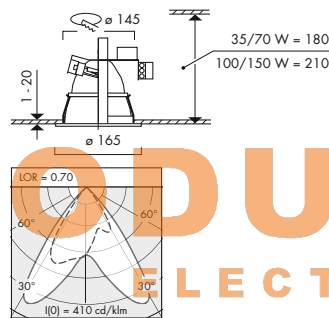
- Lighting technology HIT/G12
- for recessed mounting
- Downlight
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W;
conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 1.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Recessed luminaire with integral reflector

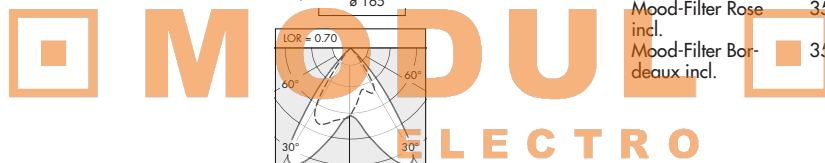
HIT/G12



Safety glass incl.	35/70/100/ 150 W
Mood-Filter Sun incl.	35/70 W
Mood-Filter Gold incl.	35/70 W
Mood-Filter Rose incl.	35/70 W
Mood-Filter Bordeaux incl.	35/70 W

Article numbers

03 SRC 6XX
03 SRC 6XX-SN
03 SRC 6XX-GD
03 SRC 6XX-RS
03 SRC 6XX-BD



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+ Ballast

Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	35 W 70 W 150 W 100 W	27 VTE 1121 27 VTE 1321 27 VT 1621 27 VT 1521-5F00
	conventional ballast HIT/HIT-DE	230V, 50Hz	27 VTE 1161 27 VTE 1361 27 VT 1661
	240V, 50Hz	35 W 70 W 150 W	27 VT 1164 27 VT 1364 27 VT 1664

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396
As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

The luminaire is only available in the 'white' version.

Downlights Linea TCC



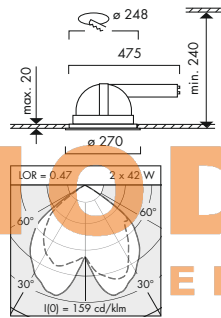
- Lighting technology TC-DEL/G24q, TC-TEL/G24q
- for recessed mounting
- Downlight with integral electronic ballast (multiple wattage choice)
- Universal socket with bayonet lamp base
- Connection data: electronic ballast, 220-240V, 26(27)W, 32(35)W, 42(46)W
- Weight 1.8 kg

Connection of light fitting to mains by means of 3-pole terminal block.



Einbauleuchte inkl. Reflektor

TC-DEL/G24q-3



electronic ballast incl. 2 x 26-42 W

Article numbers
03 TCC 2020

+ Accessories

Cover ring

white
silver
black

17 ZR 0003-04
17 ZR 0003-02
17 ZR 0003-03

+ Lamp

TC-DEL/G24q-3 26 W
TC-TEL/GX24q-3 26/32 W
TC-TEL/GX24q-4 42 W

Information about lamps ↗ 398
Information about lamps ↗ 398
Information about lamps ↗ 398

Order information

The luminaire is only available in the 'white' version.
The Multiwatt electronic ballast (220-240V) is included in the scope of supply.

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Downlights Linea TEG



- Lighting technology TC-DEL/G24q, TC-TEL/G24q
- for recessed mounting
- Downlight with integral electronic ballast (multiple wattage choice)
- Universal socket with bayonet lamp base
- Connection data: electronic ballast, 220-240V, 26(27)W, 32(35)W, 42(46)W
- Weight 1.5 kg

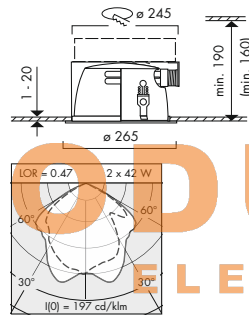
Connection of light fitting to mains by means of 3-pole terminal block.



IP20

Recessed luminaire with integral reflector

TC-DEL/G24q-3



electronic ballast incl. 26-42 W

Article numbers
03 TEG 2010


+ Lamp

TC-DEL/G24q-3 26 W
TC-TEL/GX24q-3 26/32 W
TC-TEL/GX24q-4 42 W

Information about lamps ↗ 398
Information about lamps ↗ 398
Information about lamps ↗ 398

Order information

The luminaire is only available in the 'white' version.
The Multiwatt electronic ballast (220-240V) is included in the scope of supply.


MODULO
ELECTRO
www.modulelectro.ru

Suspended luminaires

Features and Benefits



MODUL ELECTRO

www.modul-electro.ru

Maxx 215

- Clear, timeless design
- Synthesis of design and highly efficient visual comfort
- Various shade variants made of glass, metal and plastic
- Numerous design and colour versions
- Standard ceiling fixing devices and power track fixing devices
- In its design adapted to the Maxx downlight series

Classic 231

- Retro design
- Combination of decorative design and highly efficient shop lighting
- Simple installation: the luminaire shade can be installed in advance, lamp replacement is possible without removal of the lamp shade
- Large variety of combinations of connection to ceiling, lamp technology and lampshade design

Collection 243

- Custom-made design
- Individualised luminaire design based on the customer's corporate identity: 'Create your own design'
- Combination of decorative use of shapes and highly-efficient merchandise lighting
- Large variety of combinations of connection to ceiling, lamp technology and lampshade design



Sino 255

- Technical design
- Zoomable lighting: fine tuning for adjustment to individual room heights
- The modular structure, the 'plug and play' connector system in the electrical installation and the bayonet mechanism of the reflector make mounting easier and reduce the cost

Cupola 263

- Classic design
- The classic among the suspended luminaires with a loft look
- Acrylic reflector for distant effect, aluminium reflectors for dark light effect
- High luminous efficiency for optimum efficiency

Cone 269

- Elegant, classic luminaire design
- Suspended luminaire in large format that emotionalizes by means of colour
- Flexibility in colour design simple change of the coloured film changes the visual effect
- Combination of visible light with distant effect and high-performance lighting technology without any adverse effect on colour rendition in the cone of light



Maxx
↗ 215



Classic
↗ 231


Lighting technology

HIT/G12 35 W	<input type="checkbox"/>	<input type="checkbox"/>
HIT/G12 70 W	<input type="checkbox"/>	<input type="checkbox"/>
HIT/G12 100 W	<input type="checkbox"/>	<input type="checkbox"/>
HIT/G12 150 W	<input type="checkbox"/>	<input type="checkbox"/>
HIT/G8.5 35 W	<input type="checkbox"/>	<input type="checkbox"/>
HIT/G8.5 70 W	<input type="checkbox"/>	<input type="checkbox"/>
HST/GX12-1 50 W	<input type="checkbox"/>	<input type="checkbox"/>
HST/GX12-1 100 W	<input type="checkbox"/>	<input type="checkbox"/>
TC-TEL/GX24q-2 18 W	<input type="checkbox"/>	<input type="checkbox"/>
TC-TEL/GX24q-3 26 W	<input type="checkbox"/>	<input type="checkbox"/>
TC-TEL/GX24q-3 32 W	<input type="checkbox"/>	<input type="checkbox"/>
TC-TEL/GX24q-4 42 W	<input type="checkbox"/>	<input type="checkbox"/>
TC-TSE/TCG-SE/E27 max. 23 W	<input type="checkbox"/>	<input type="checkbox"/>
SSP	<input type="checkbox"/>	<input type="checkbox"/>
SP	<input type="checkbox"/>	<input type="checkbox"/>
SP-WFL	<input type="checkbox"/>	<input type="checkbox"/>
SP-VWFL	<input type="checkbox"/>	<input type="checkbox"/>
MFL	<input type="checkbox"/>	<input type="checkbox"/>
MFL-WFL	<input type="checkbox"/>	<input type="checkbox"/>
FL	<input type="checkbox"/>	<input type="checkbox"/>
WFL	<input type="checkbox"/>	<input type="checkbox"/>
VWFL	<input type="checkbox"/>	<input type="checkbox"/>

Type of reflector

MODULO ELECTRO

www.moduloelectro.ru

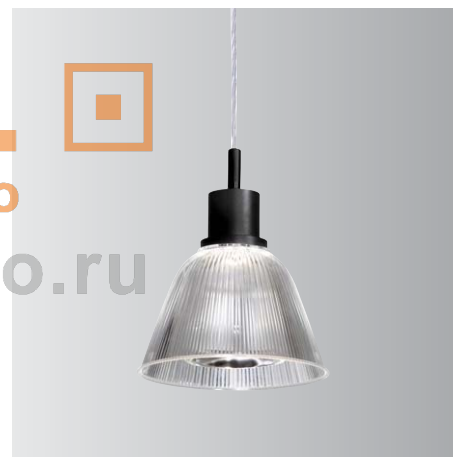
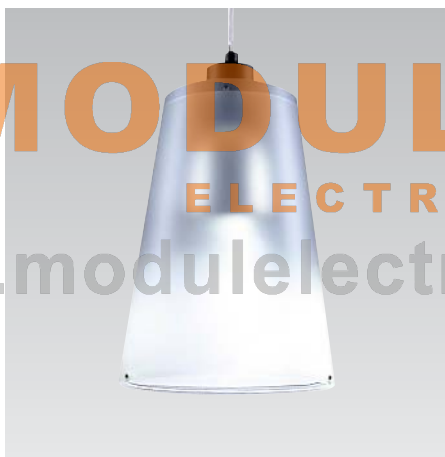


MODUL
ELECTRO
www.modulelectro.ru

Suspended luminaires

Maxx

1
2
3
4
5
6
7
8



MODULO
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www.modulelectro.ru

The Maxx series of suspended luminaires, based on the downlight series of the same name, is intended for the use of metal halide lamps. The innovative reflector technology with various interchangeable reflectors produces non-glare light and thus provides high visual comfort. Various shade variants of glass, metal or plastic in various design and colour versions permit optimum adaptation to the interior. The Maxx series is suitable for use in the food retail trade and in other sectors. A power track fixing device supplements the already varied range of ceiling fixing devices.

- Clear, timeless design
- Synthesis of design and highly efficient visual comfort
- Various shade variants made of glass, metal and plastic
- Numerous design and colour versions
- Standard ceiling fixing devices and power track fixing devices
- In its design adapted to the Maxx downlight series

Suspended luminaires

Compendium Maxx

Lighting technology

HIT/G12 35 W
 HIT/G12 70 W
 HIT/G12 100 W
 HIT/G12 150 W
 HIT/G8.5 35 W

Type of reflector

FL
 WFL
 VWFL



Maxx Classic
 ↗ 218



Maxx Lucent
 ↗ 220

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MODUL
 ELECTRO
www.modulelectro.ru



Maxx Minimum
↗ 222

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Maxx Glassico
↗ 224

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Maxx Factory
↗ 226

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Maxx Color
↗ 228

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ELECTRO
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Suspended luminaires

Maxx Classic



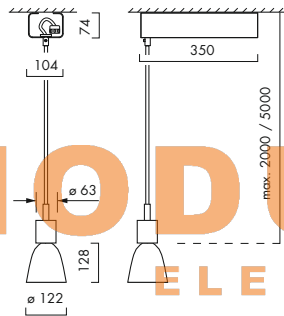
- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with interchangeable reflectors
- transparent cable
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109), 150(163)W
- Weight 1,0 - 2,2 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Control gear housing

with ceiling box,
without ballast



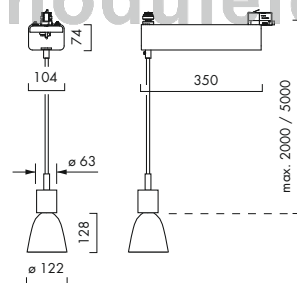
Cable lengths 2m
Cable lengths 5m

Article numbers
07 MPA 682-...
07 MPA 685-...

MODULO
ELECTRO

www.modulelectro.ru

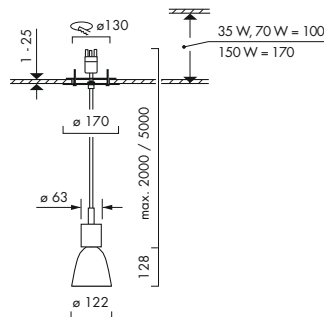
with with 3-circuit
adapter and ceil-
ing box, without
ballast



Cable lengths 2m
Cable lengths 5m

07 MPA 692-...
07 MPA 695-...

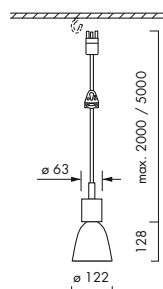
with ceiling plate



Cable lengths 2m
Cable lengths 5m

07 MPA 672
07 MPA 675

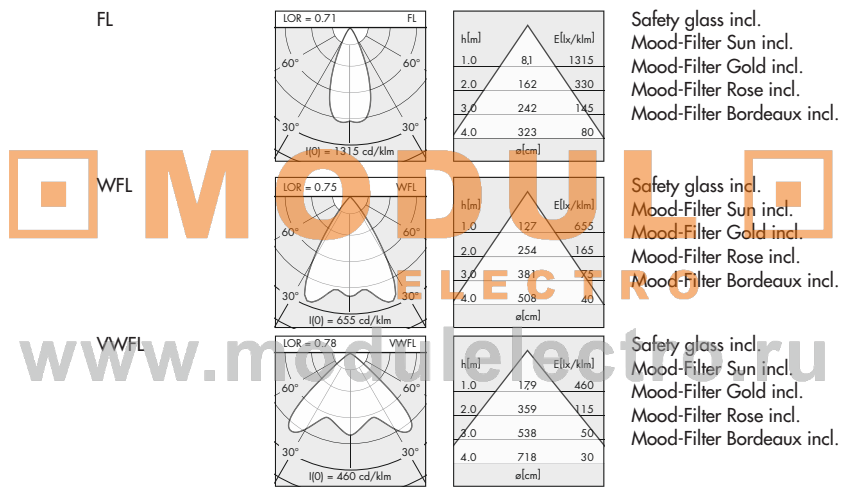
with eyelet for
ceiling hook



Cable lengths 2m
Cable lengths 5m

07 MPA 602
07 MPA 605

+ Reflector
HIT/G12



- Article numbers**
- 17 HIH 610
 - 17 HIH 610-SN
 - 17 HIH 610-GD
 - 17 HIH 610-RS
 - 17 HIH 610-BD
- Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.
- 17 HIH 410
 - 17 HIH 410-SN
 - 17 HIH 410-GD
 - 17 HIH 410-RS
 - 17 HIH 410-BD
- Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.
- 17 HIH 210
 - 17 HIH 210-SN
 - 17 HIH 210-GD
 - 17 HIH 210-RS
 - 17 HIH 210-BD

+ Ballast	Electronic ballast HIT/HIT-DE	220-240V 50/60Hz	35 W 70 W 35 W 70 W 150 W 100 W	27 VTE 1121 27 VTE 1321 27 VT 1151 27 VT 1351 27 VT 1651 27 VT 1521-5F00
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+ Lamp HIT/G12 35/70/100/150 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Suspended luminaires

Maxx Lucent



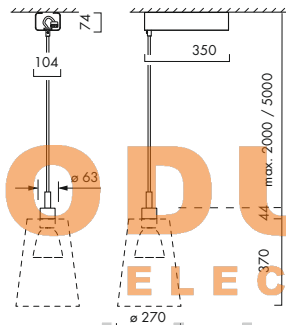
- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with interchangeable reflectors
- transparent cable
- coloured semi-transparent lamp shade, pure white light cone
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 1.7 - 2.3 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Control gear housing

with ceiling box,
without ballast

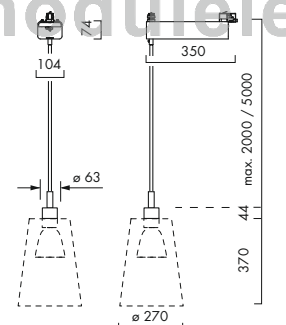


Cable lengths 2m
Cable lengths 5m

Article numbers
07 MPE 682-...
07 MPE 685-...

MODUL
ELECTRO

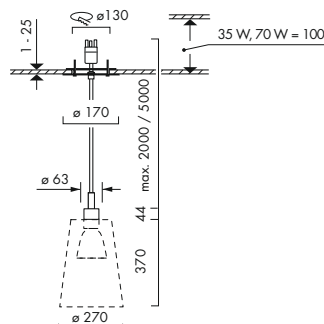
with with 3-circuit
adapter and ceiling
box, without
ballast



Cable lengths 2m
Cable lengths 5m

07 MPE 692-...
07 MPE 695-...

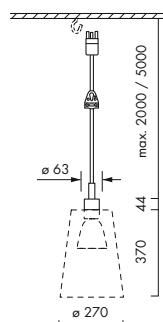
with ceiling plate



Cable lengths 2m
Cable lengths 5m

07 MPE 672
07 MPE 675

with eyelet for
ceiling hook

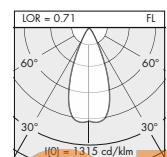


Cable lengths 2m
Cable lengths 5m

07 MPE 602
07 MPE 605

+ **Reflector**
HIT/G12

FL

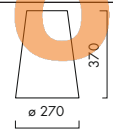
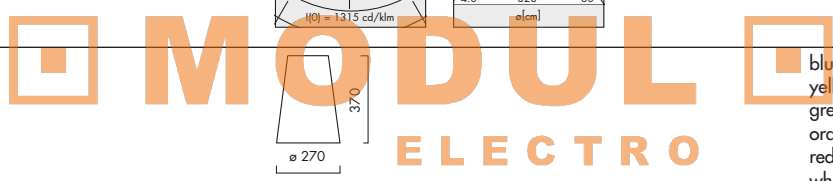


h[m]	E _{lx} /klm	
1.0	8.1	1315
2.0	162	330
3.0	242	145
4.0	323	80

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

Article numbers
17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD

+ **Lamp shade**



blue
yellow
green
orange
red
white

17 SC 0013
17 SC 0015
17 SC 0014
17 SC 0017
17 SC 0016
17 SC 0018

+ **Ballast**

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz

35 W
70 W
35 W
70 W

27 VTE 1121
27 VTE 1321
27 VT 1151
27 VT 1351

+ **Lamp**

HIT/G12 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Suspended luminaires

Maxx Minimum



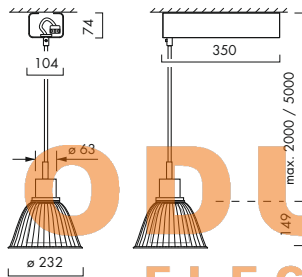
- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with interchangeable reflectors
- transparent cable
- Suspended luminaire with bell-shaped lamp shade in different colours
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight approx. 1.2 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Control gear housing with lamp shade

with ceiling box, without ballast



- | | |
|------------------|-------------|
| Cable lengths 2m | blue |
| Cable lengths 5m | blue |
| Cable lengths 2m | green |
| Cable lengths 5m | green |
| Cable lengths 2m | red |
| Cable lengths 5m | red |
| Cable lengths 2m | translucent |
| Cable lengths 5m | translucent |

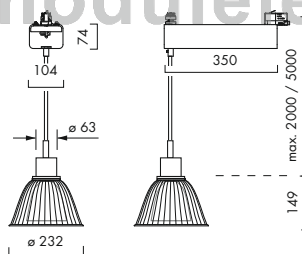
Article numbers
 07 MPF 682-AA-...
 07 MPF 685-AA-...
 07 MPF 682-AB-...
 07 MPF 685-AB-...
 07 MPF 682-AC-...
 07 MPF 685-AC-...
 07 MPF 682-AD-...
 07 MPF 685-AD-...



www.modulelectro.ru

Control gear housing with lamp shade

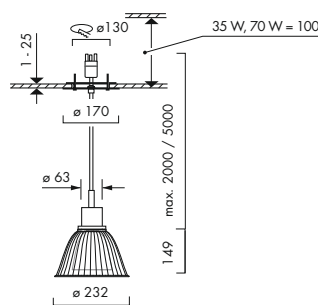
with with 3-circuit adapter and ceiling box, without ballast



- | | |
|------------------|-------------|
| Cable lengths 2m | blue |
| Cable lengths 5m | blue |
| Cable lengths 2m | green |
| Cable lengths 5m | green |
| Cable lengths 2m | red |
| Cable lengths 5m | red |
| Cable lengths 2m | translucent |
| Cable lengths 5m | translucent |

07 MPF 692-AA-...
 07 MPF 695-AA-...
 07 MPF 692-AB-...
 07 MPF 695-AB-...
 07 MPF 692-AC-...
 07 MPF 695-AC-...
 07 MPF 692-AD-...
 07 MPF 695-AD-...

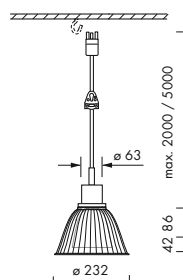
with ceiling plate



- | | |
|------------------|-------------|
| Cable lengths 2m | blue |
| Cable lengths 5m | blue |
| Cable lengths 2m | green |
| Cable lengths 5m | green |
| Cable lengths 2m | red |
| Cable lengths 5m | red |
| Cable lengths 2m | translucent |
| Cable lengths 5m | translucent |

07 MPF 672-AA
 07 MPF 675-AA
 07 MPF 672-AB
 07 MPF 675-AB
 07 MPF 672-AC
 07 MPF 675-AC
 07 MPF 672-AD
 07 MPF 675-AD

with eyelet for ceiling hook

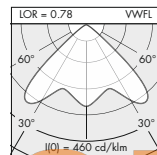


- | | |
|------------------|-------------|
| Cable lengths 2m | blue |
| Cable lengths 5m | blue |
| Cable lengths 2m | green |
| Cable lengths 5m | green |
| Cable lengths 2m | red |
| Cable lengths 5m | red |
| Cable lengths 2m | translucent |
| Cable lengths 5m | translucent |

07 MPF 602-AA
 07 MPF 605-AA
 07 MPF 602-AB
 07 MPF 605-AB
 07 MPF 602-AC
 07 MPF 605-AC
 07 MPF 602-AD
 07 MPF 605-AD

+ Perforated reflector
HIT/G12

VWFL



h[m]	Elx/klm	
1.0	179	460
2.0	359	115
3.0	538	50
4.0	718	30
	elc[m]	

Safety glass incl.

Article numbers
17 HIH 212

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz

35 W
70 W
35 W
70 W

27 VTE 1121
27 VTE 1321
27 VT 1151
27 VT 1351

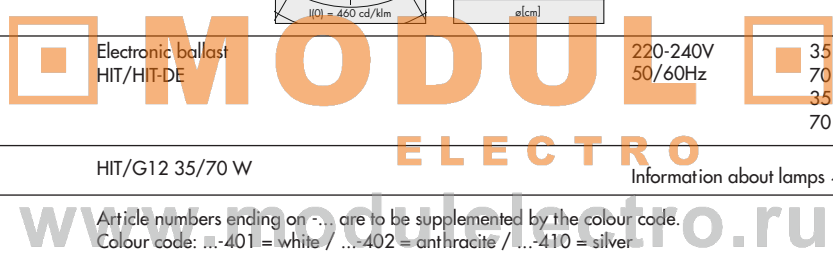
+ Lamp

HIT/G12 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on ... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



Suspended luminaires

Maxx Glassico



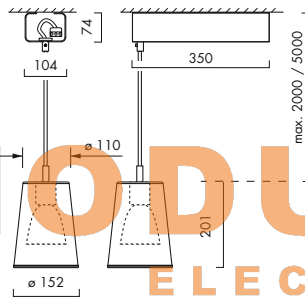
- Lighting technology HIT/G8.5
- for suspended mounting
- Suspended luminaire with interchangeable reflectors and glass lamp shade
- transparent cable
- Connection data: electronic ballast, 35(42)W
- Weight 2.0 - 3.3 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



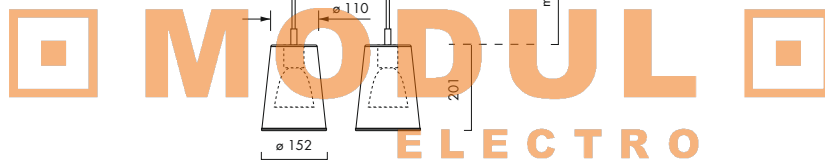
Control gear housing with lamp shade

with ceiling box, without ballast

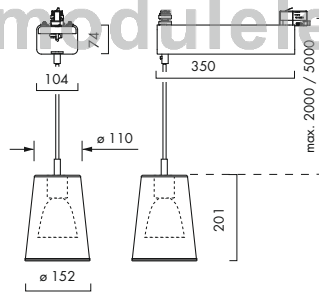


Cable lengths 2m
Cable lengths 5m

Article numbers
07 MPD 682-...
07 MPD 685-...



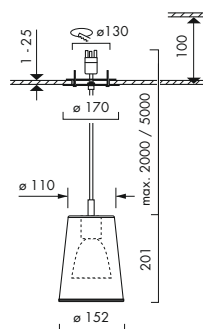
with 3-circuit adapter and ceiling box, without ballast



Cable lengths 2m
Cable lengths 5m

07 MPD 692-...
07 MPD 695-...

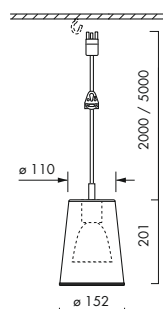
with ceiling plate



Cable lengths 2m
Cable lengths 5m

07 MPD 672
07 MPD 675

with eyelet for ceiling hook

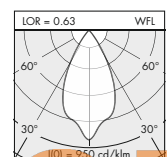


Cable lengths 2m
Cable lengths 5m

07 MPD 602
07 MPD 605

+ Reflector
HIT/G8.5

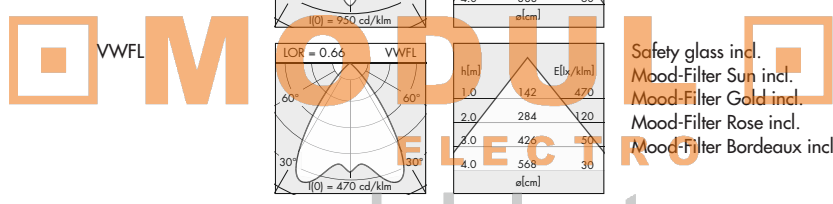
WFL



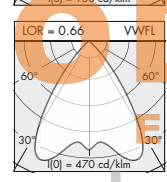
h[m]	E _{lx} /klm	
1.0	97	950
2.0	194	240
3.0	291	185
4.0	388	60

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

Article numbers
17 HIK 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD



VWFL



h[m]	E _{lx} /klm	
1.0	142	470
2.0	284	120
3.0	426	90
4.0	568	30

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIK 410
17 HIK 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V 35 W
50/60Hz

27 VTE 1121

+ Lamp

HIT/G8.5 35 W

Information about lamps ↗ 396
As a matter of principle, Ansorg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Suspended luminaires

Maxx Factory



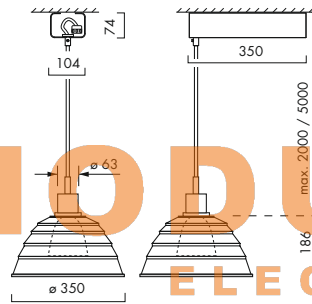
- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with interchangeable reflectors and aluminium lampshade, anodised
- transparent cable
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109), 150(163)W
- Weight 1.7 - 4.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



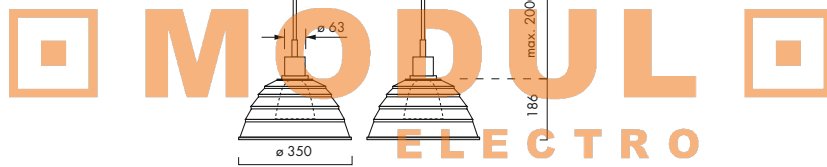
Control gear housing with lamp shade

with ceiling box, without ballast



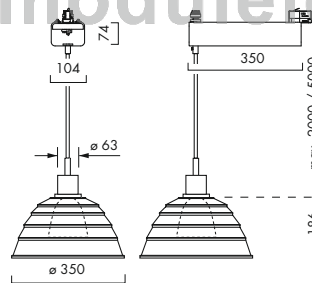
Cable lengths 2m
Cable lengths 5m

Article numbers
07 MPB 682-...
07 MPB 685-...



www.modulelectro.ru

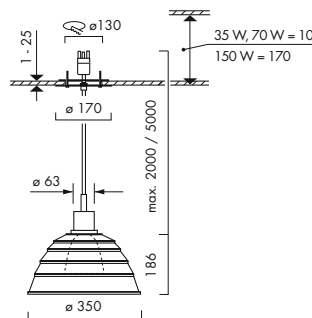
with with 3-circuit adapter and ceiling box, without ballast



Cable lengths 2m
Cable lengths 5m

07 MPB 692-...
07 MPB 695-...

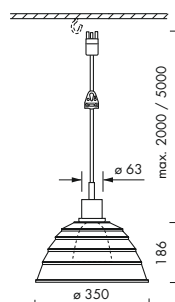
with ceiling plate



Cable lengths 2m
Cable lengths 5m

07 MPB 672
07 MPB 675

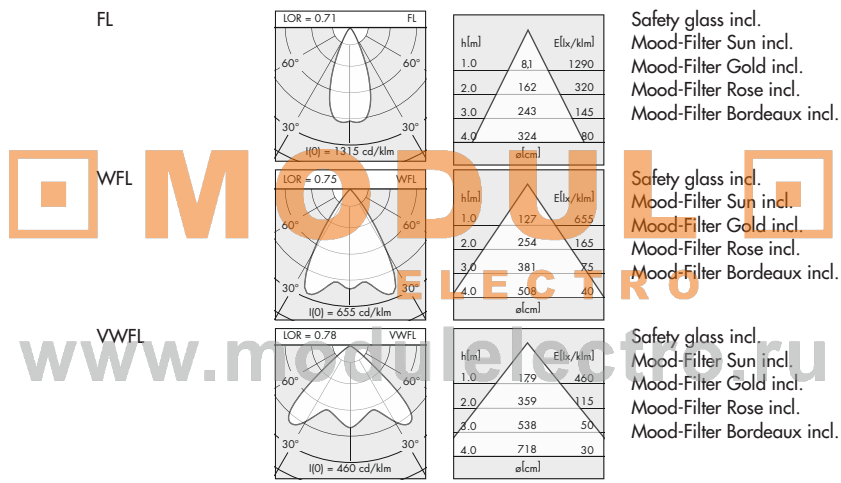
with eyelet for ceiling hook



Cable lengths 2m
Cable lengths 5m

07 MPB 602
07 MPB 605

+ Reflector
HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

Article numbers
17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 410
17 HIH 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Ballast	Electronic ballast HIT/HIT-DE	220-240V	35 W	27 VTE 1121
		50/60Hz	70 W	27 VTE 1321
			35 W	27 VT 1151
			70 W	27 VT 1351
			150 W	27 VT 1651
		100 W	27 VT 1521-5F00	

+ Lamp	HIT/G12 35/70/100/150 W	Information about lamps ↗ 396 As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.
---------------	-------------------------	---

Order information Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Suspended luminaires

Maxx Color



- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with interchangeable reflectors and aluminium lampshade
- Versions of the lamp shade colour available on request
- transparent cable
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109), 150(163)W
- Weight 1.4 - 3.7 kg

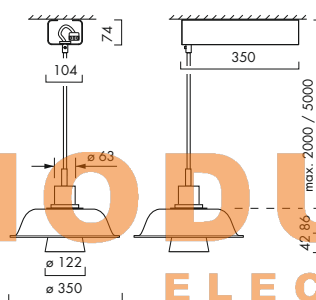


Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



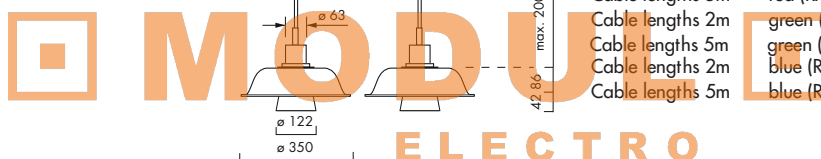
Control gear housing with lamp shade

with ceiling box, without ballast



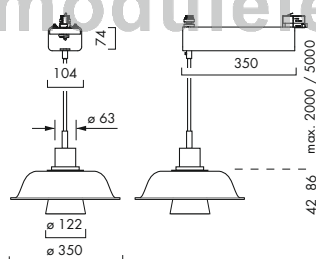
- | | |
|------------------|-------------------|
| Cable lengths 2m | silver |
| Cable lengths 5m | silver |
| Cable lengths 2m | yellow (RAL 1023) |
| Cable lengths 5m | yellow (RAL 1023) |
| Cable lengths 2m | red (RAL 3002) |
| Cable lengths 5m | red (RAL 3002) |
| Cable lengths 2m | green (RAL 6017) |
| Cable lengths 5m | green (RAL 6017) |
| Cable lengths 2m | blue (RAL 5005) |
| Cable lengths 5m | blue (RAL 5005) |

- Article numbers**
- 07 MPC 682-...
 - 07 MPC 685-...
 - 07 MPC 682-AA-...
 - 07 MPC 685-AA-...
 - 07 MPC 682-AB-...
 - 07 MPC 685-AB-...
 - 07 MPC 682-AC-...
 - 07 MPC 685-AC-...
 - 07 MPC 682-AD-...
 - 07 MPC 685-AD-...



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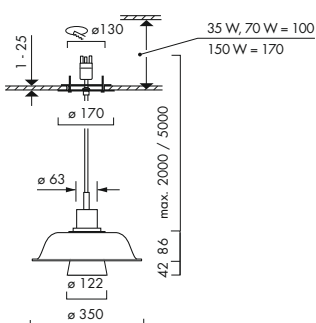
with 3-circuit adapter and ceiling box, without ballast



- | | |
|------------------|-------------------|
| Cable lengths 2m | silver |
| Cable lengths 5m | silver |
| Cable lengths 2m | yellow (RAL 1023) |
| Cable lengths 5m | yellow (RAL 1023) |
| Cable lengths 2m | red (RAL 3002) |
| Cable lengths 5m | red (RAL 3002) |
| Cable lengths 2m | green (RAL 6017) |
| Cable lengths 5m | green (RAL 6017) |
| Cable lengths 2m | blue (RAL 5005) |
| Cable lengths 5m | blue (RAL 5005) |

- Article numbers**
- 07 MPC 692-...
 - 07 MPC 695-...
 - 07 MPC 692-AA-...
 - 07 MPC 695-AA-...
 - 07 MPC 692-AB-...
 - 07 MPC 695-AB-...
 - 07 MPC 692-AC-...
 - 07 MPC 695-AC-...
 - 07 MPC 692-AD-...
 - 07 MPC 695-AD-...

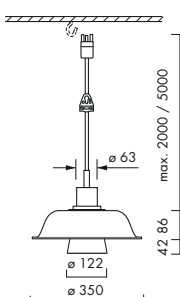
with ceiling plate



- | | |
|------------------|-------------------|
| Cable lengths 2m | silver |
| Cable lengths 5m | silver |
| Cable lengths 2m | yellow (RAL 1023) |
| Cable lengths 5m | yellow (RAL 1023) |
| Cable lengths 2m | red (RAL 3002) |
| Cable lengths 5m | red (RAL 3002) |
| Cable lengths 2m | green (RAL 6017) |
| Cable lengths 5m | green (RAL 6017) |
| Cable lengths 2m | blue (RAL 5005) |
| Cable lengths 5m | blue (RAL 5005) |

- Article numbers**
- 07 MPC 672
 - 07 MPC 675
 - 07 MPC 672-AA
 - 07 MPC 675-AA
 - 07 MPC 672-AB
 - 07 MPC 675-AB
 - 07 MPC 672-AC
 - 07 MPC 675-AC
 - 07 MPC 672-AD
 - 07 MPC 675-AD

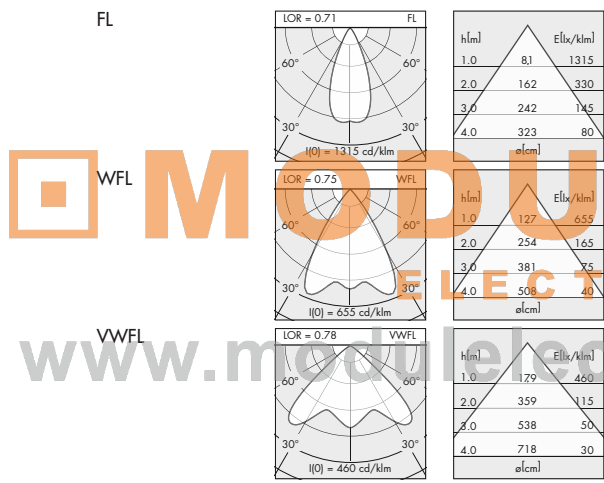
with eyelet for ceiling hook



- | | |
|------------------|-------------------|
| Cable lengths 2m | silver |
| Cable lengths 5m | silver |
| Cable lengths 2m | yellow (RAL 1023) |
| Cable lengths 5m | yellow (RAL 1023) |
| Cable lengths 2m | red (RAL 3002) |
| Cable lengths 5m | red (RAL 3002) |
| Cable lengths 2m | green (RAL 6017) |
| Cable lengths 5m | green (RAL 6017) |
| Cable lengths 2m | blue (RAL 5005) |
| Cable lengths 5m | blue (RAL 5005) |

- Article numbers**
- 07 MPC 602
 - 07 MPC 605
 - 07 MPC 602-AA
 - 07 MPC 605-AA
 - 07 MPC 602-AB
 - 07 MPC 605-AB
 - 07 MPC 602-AC
 - 07 MPC 605-AC
 - 07 MPC 602-AD
 - 07 MPC 605-AD

+ Reflector
HIT/G12



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

Article numbers
17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 410
17 HIH 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V 35 W
50/60Hz 70 W
35 W
70 W
150 W
100 W

27 VTE 1121
27 VTE 1321
27 VT 1151
27 VT 1351
27 VT 1651
27 VT 1521-5F00

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

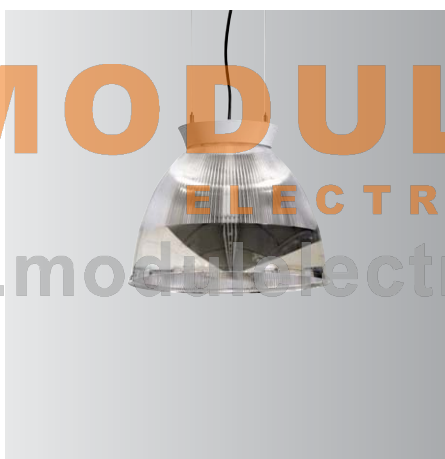


MODUL
ELECTRO
www.modulelectro.ru

Suspended luminaires

Classic

1
2
3
4
5
6
7
8



MODULO
ELECTRO
www.modulselectro.ru

Classic is a suspended luminaire series which meets both decorative demand and also takes into account the aspect of technical merchandise lighting. This series of products is above all suitable for use as a suspended downlight for ambient or aisle area lighting, particularly when at the same time design structuring of the overall area is desired. Classic basic shapes in respective different design variants are available; intended both for the use of metal halide lamps and also for lamps based on E27 sockets. For ceiling mounting, special fastening systems are available, depending on whether the luminaires are installed on plaster board, wooden or trapezoidal ceilings.

- Retro design
- Combination of decorative design and highly efficient shop lighting
- Simple installation: the luminaire shade can be installed in advance, lamp replacement is possible without removal of the lamp shade
- Large variety of combinations of connection to ceiling, lamp technology and lampshade design

Suspended luminaires

Compendium Classic



Classic Ball
↗ 234

Classic Tulip
↗ 236

Lighting technology

HIT/G12 35 W
HIT/G12 70 W
HIT/G12 150 W

- _____
- _____
- _____

Type of reflector

VWFL

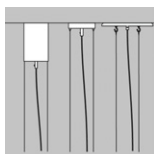
- _____
- _____

MODUL
ELECTRO
www.modulelectro.ru





Classic Bell
↗ 237

- _____
- _____
- _____
- _____
- _____



Suspensions
Classic
↗ 238

- _____
- _____
- _____
- _____
- _____

 **MODULO** 
ELECTRO
www.modulelectro.ru

Suspended luminaires

Classic Ball



- Lighting technology HIT/G12, TC-TSE/E27, TCG-SE/E27
- for suspended mounting
- Suspended luminaire with ball-shaped lamp shade in different versions
- Connection data: HIT/G12, electronic ballast, 35(42)W, 70(80)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W, 150(170)W; TC-TSE/E27, 230V, 22W; TCG-SE/E27, 230V, 15/18W
- Weight approx. 3.7 kg

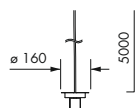
Remote gear: HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red; E27: Connection of light fitting to mains by means of 3-pole terminal block.



IP20

Lighting head

HIT/G12

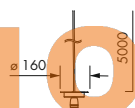


power cable 5m incl.

white
black

Article numbers
07 CBH 685-401
07 CBH 695-402

TC-TSE/TCG-SE/
E27



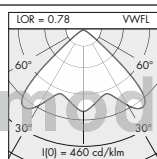
power cable 5m incl.

white
black

07 CBP 685-401
07 CBP 695-402

+ Reflector HIT/G12

VWFL



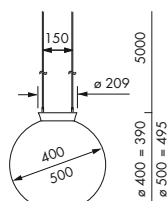
h[m]	E _h [lx]	E _h [klm]
1.0	179	460
2.0	359	115
3.0	538	50
4.0	718	30
ø[cm]		

Safety glass incl.

17 HIH 210

+ Lamp shade Ball

translucent

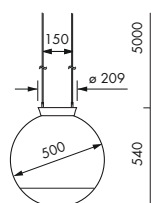


steel cable 5m incl.

d = 400mm
d = 500mm

17 LK 0401-...
17 LK 0501-...

frosted

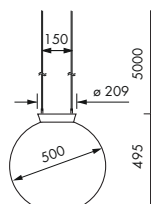


steel cable 5m incl.

d = 500mm

17 LK 0503-...

opal

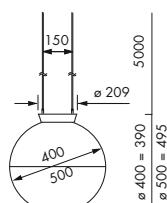


steel cable 5m incl.

d = 500mm

17 LK 0502-...

metal-coated



steel cable 5m incl.

d = 400mm
d = 500mm

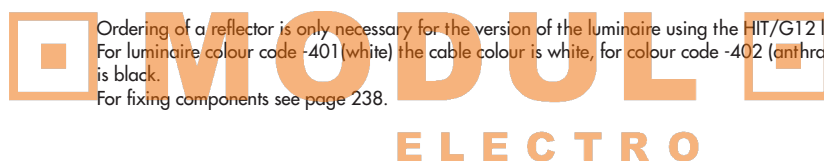
17 LK 0404-...
17 LK 0504-...

+ Lamp	HIT/G12 35/70/150 W	Information about lamps ↗ 396
	TC-TSE/E27 22 W	Information about lamps ↗ 398
	TCG-SE/E27 15/18 W	Information about lamps ↗ 398

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Ordering of a reflector is only necessary for the version of the luminaire using the HIT/G12 lighting technology.
 For luminaire colour code -401 (white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.
 For fixing components see page 238.



www.modulelectro.ru

Suspended luminaires

Classic Tulip



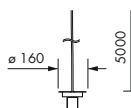
- Lighting technology HIT/G12, TC-TSE/E27, TCG-SE/E27
- for suspended mounting
- Suspended luminaire with cone-shaped lamp shade
- Connection data: HIT/G12, electronic ballast, 35(42)W, 70(80)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W, 150(170)W; TC-TSE/E27, 230V, 22W; TCG-SE/E27, 230V, 15/18W
- Weight approx. 3.0 kg

Remote gear: HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red; E27: Connection of light fitting to mains by means of 3-pole terminal block.



Lighting head

HIT/G12

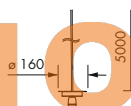


power cable 5m incl.

white
black

Article numbers
07 CBH 685-401
07 CBH 695-402

TC-TSE/TCG-SE/
E27



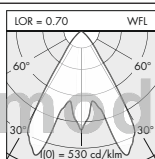
power cable 5m incl.

white
black

07 CBP 685-401
07 CBP 695-402

+ Reflector HIT/G12

VWFL



h(m)	E _v (lx)	E _v (klm)
1.0	126	530
2.0	252	130
3.0	378	60
4.0	504	35

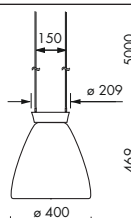
ø(cm)

Safety glass incl.

17 HIH 210

+ Lamp shade Tulip

frosted



steel cable 5m incl. d = 400mm

17 LK 0101-...

+ Lamp

HIT/G12 35/70/150 W

TC-TSE/E27 22 W

TCG-SE/E27 15/18 W

Information about lamps ↗ 396

Information about lamps ↗ 398

Information about lamps ↗ 399

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Ordering of a reflector is only necessary for the version of the luminaire using the HIT/G12 lighting technology.
For luminaire colour code -401 (white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.
For fixing components see page 238.

Suspended luminaires

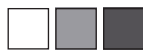
Classic Bell

1
2
3
4
5
6
7
8



- Lighting technology HIT/G12, TC-TSE/E27, TCG-SE/E27
- for suspended mounting
- Suspended luminaire with bell-shaped lamp shade in different versions
- Connection data: HIT/G12, electronic ballast, 35(42)W, 70(80)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W, 150(170)W; TC-TSE/E27, 230V, 22W; TCG-SE/E27, 230V, 15/18W
- Weight approx. 2.2 kg

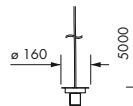
Remote gear: HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red; E27: Connection of light fitting to mains by means of 3-pole terminal block.



IP20

Lighting head

HIT/G12



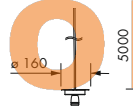
power cable 5m incl.

white
black

Article numbers
07 CBH 685-401
07 CBH 695-402



TC-TSE/TCG-SE/
E27



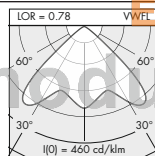
power cable 5m incl.

white
black

07 CBP 685-401
07 CBP 695-402

+ Perforated reflector HIT/G12

VWFL



h[m]	E _h /klm	E _h /klm
1.0	179	460
2.0	359	115
3.0	538	50
4.0	718	30

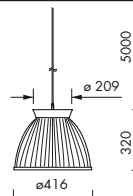
el[cm]

Safety glass incl.

17 HIH 212

+ Lamp shade Bell

translucent

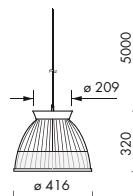


steel cable 5m incl.

d = 416mm

17 LK 0301-...

metal-coated



steel cable 5m incl.

d = 416mm

17 LK 0302-...

+ Lamp

HIT/G12 35/70/150 W
TC-TSE/E27 22 W
TCG-SE/E27 15/18 W

Information about lamps ↗ 396

Information about lamps ↗ 398

Information about lamps ↗ 399

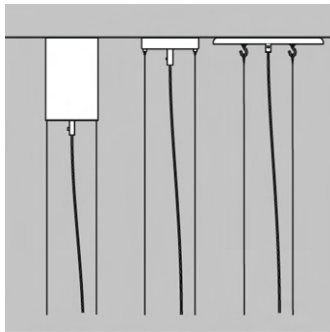
Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Ordering of a reflector is only necessary for the version of the luminaire using the HIT/G12 lighting technology.
For luminaire colour code -401(white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.
For fixing components see page 238.

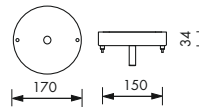
Suspended luminaires

Suspensions Classic



on a concrete ceiling

Ceiling canopy



Article numbers
17 CL 0012-...

Ballast housing with electronic ballast
220-240V
50/60Hz

MODUL

35 W
70 W
150 W

ELECTRO

www.modulelectro.ru

27 VT 1151-R-...
27 VT 1351-R-...
27 VT 1651-R-...

Ballast housing with conventionell ballast
230V
50Hz

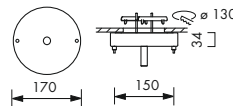


35 W
70 W
150 W

27 VT 1161-R-...
27 VT 1361-R-...
27 VT 1661-R-...

in plasterboard ceilings

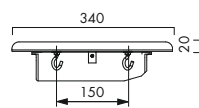
Ceiling outlet box without ballast



17 CL 0011-...

on a trapezoidal metal plate ceiling

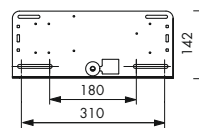
Installation plate incl. electronic ballast
220-240V
50/60Hz



35 W
70 W
150 W

27 VT 1151-T
27 VT 1351-T
27 VT 1651-T

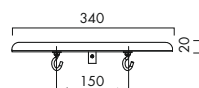
Installation plate incl. conventionell ballast
230V
50Hz



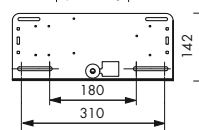
35 W
70 W
150 W

27 VT 1161-T
27 VT 1361-T
27 VT 1661-T

Installation plate without ballast

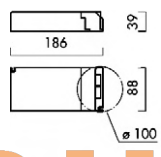


17 CL 0010



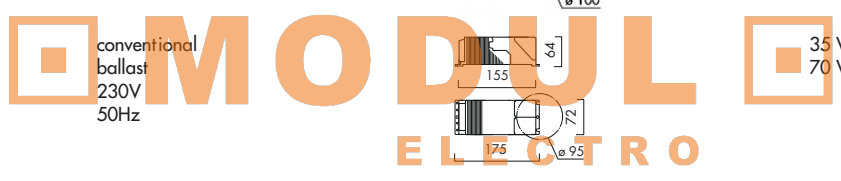
+ Ballast

Electronic ballast
220-240V
50/60Hz

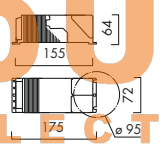


35 W
70 W
150 W

Article numbers
27 VT 1151
27 VT 1351
27 VT 1651



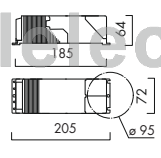
conventional ballast
230V
50Hz



35 W
70 W

27 VTE 1161
27 VTE 1361

www.modulelectro.ru



35 W

27 VTE 1161



Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Suspended luminaires

Suspensions Classic

		Ball		Tulip		Bell	
		HIT	E27	HIT	E27	HIT	E27
17 CL 0010		•	•	•	•	•	
17 CL 0011-...		•	•	•	•	•	•
17 CL 0012-...		•	•	•	•	•	•
MODULO							
ELECTRO							
www.modulelectro.ru							
220-240 V, 50/60 Hz							
27 VTE 1151	35 W	•		•		•	
27 VTE 1351	70 W	•		•		•	
27 VTE 1651	150 W	•		•		•	
27 VT 1151-R-...	35 W	•		•		•	
27 VT 1351-R-...	70 W	•		•		•	
27 VT 1651-R-...	150 W	•		•		•	
27 VT 1151-T	35 W	•		•		•	
27 VT 1351-T	70 W	•		•		•	
27 VT 1651-T	150 W	•		•		•	
230 V, 50 Hz							
27 VTE 1161	35 W	•		•		•	
27 VTE 1361	70 W	•		•		•	
27 VTE 1661	150 W	•		•		•	
27 VT 1161-R-...	35 W	•		•		•	
27 VT 1361-R-...	70 W	•		•		•	
27 VT 1661-R-...	150 W	•		•		•	
27 VT 1161-T	35 W	•		•		•	
27 VT 1361-T	70 W	•		•		•	
27 VT 1661-T	150 W	•		•		•	

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Suspended luminaires Collection

1
2
3
4
5
6
7
8



Collection, supplementing the Classic family, is a further series of suspended luminaires which likewise harmoniously unites the aspects of emotionality and technology. Particularly to be emphasised, however, is the possibility of individual design of the luminaires; as desired, the most varied materials can be used for the lamp shade. But there are also no limits to creativity for the basic shapes. 'Create your own identity' is the product idea of Collection. Arik Levy is also responsible for the design.

- Custom-made design
- Individualised luminaire design based on the customer's corporate identity: 'Create your own design'
- Combination of decorative use of shapes and highly-efficient merchandise lighting
- Large variety of combinations of connection to ceiling, lamp technology and lampshade design

Suspended luminaires Compendium Collection



Collection
↗ 246



Collection
↗ 248

Lighting technology

HIT/G12 35 W
HIT/G12 70 W
TC-TSE/TCG-SE/E27 max. 23 W

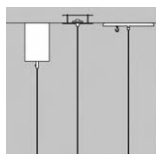
- | | |
|---|-------|
| • | _____ |
| • | _____ |
| • | _____ |

Type of reflector

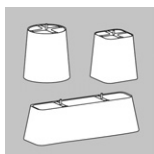
FL
WFL
VWFL

- | | |
|---|-------|
| • | _____ |
| • | _____ |
| • | _____ |



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Suspensions
Collection
↗ 250



Lamp shades
Collection
↗ 251

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Suspended luminaires Collection



- Lighting technology HIT/G12, TC-TSE/E27, TCG-SE/E27
- for suspended mounting
- Suspended luminaire (one lamp) with lamp shade in different shades und surface finishes
- transparent cable
- Connection data: HIT/G12, electronic ballast, 35(42)W, 70(80)W, TC-TSE/E27, 230V, 22W; TCG-SE/E27, 230V, 15/18W
- Weight approx. 1.0 kg (without lamp shade)

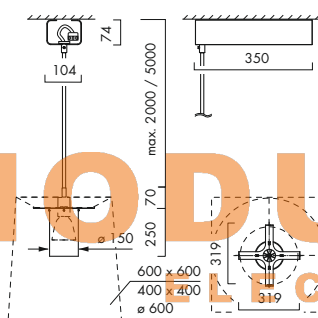


Remote gear: HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red; E27: Connection of light fitting to mains by means of 3-pole terminal block.



Lighting head for lamp shade, cubical and conical, one lamp

HIT/G12
with ceiling box,
without ballast



Cable lengths 2m

with cross and
luminous tube

Article numbers
07 CPA 682-...

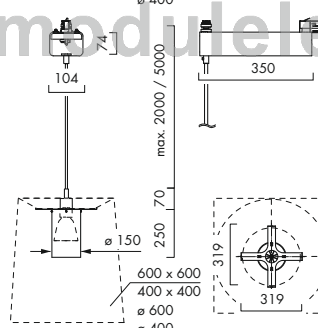
Cable lengths 5m

with cross and
luminous tube

07 CPA 685-...

MODUL
ELECTRO

HIT/G12
with with 3-circuit
adapter and ceil-
ing box, without
ballast



Cable lengths 2m

with cross and
luminous tube

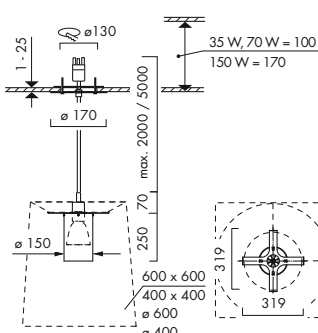
07 CPA 692-...

Cable lengths 5m

with cross and
luminous tube

07 CPA 695-...

HIT/G12
with ceiling plate



Cable lengths 2m

with cross and
luminous tube

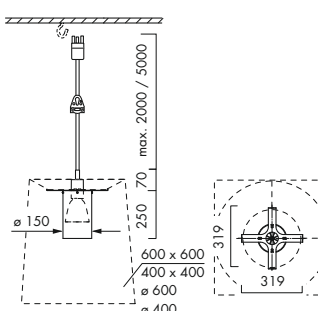
07 CPA 672

Cable lengths 5m

with cross and
luminous tube

07 CPA 675

HIT/G12
with eyelet for
ceiling hook



Cable lengths 2m

with cross and
luminous tube

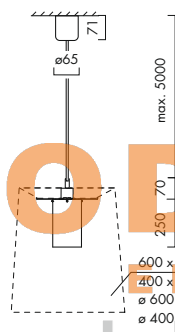
07 CPA 602

Cable lengths 5m

with cross and
luminous tube

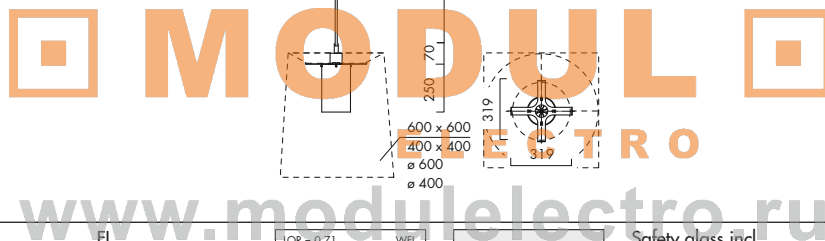
07 CPA 605

TC-TSE/TCG-SE/
E27
with ceiling box



Cable lengths 5m with cross

Article numbers
07 CPA 965



<p>+ Reflector HIT/G12</p>	<p>FL</p>	<table border="1"> <thead> <tr> <th>h/ml</th> <th colspan="2">Elb/kml</th> </tr> </thead> <tbody> <tr> <td>1.0</td> <td>103</td> <td>955</td> </tr> <tr> <td>2.0</td> <td>206</td> <td>239</td> </tr> <tr> <td>3.0</td> <td>309</td> <td>106</td> </tr> <tr> <td>4.0</td> <td>412</td> <td>60</td> </tr> </tbody> </table>	h/ml	Elb/kml		1.0	103	955	2.0	206	239	3.0	309	106	4.0	412	60	<p>Safety glass incl. Mood-Filter Sun incl. Mood-Filter Gold incl. Mood-Filter Rose incl. Mood-Filter Bordeaux incl.</p>	<p>17 HIH 210 17 HIH 210-SN 17 HIH 210-GD 17 HIH 210-RS 17 HIH 210-BD</p>
h/ml	Elb/kml																		
1.0	103	955																	
2.0	206	239																	
3.0	309	106																	
4.0	412	60																	
<p>+ Ballast</p>	<p>Electronic ballast HIT/HIT-DE</p>	<p>220-240V, 50/60Hz</p>	<p>35 W 70 W</p>	<p>27 VTE 1121 27 VTE 1321</p>															
<p>+ Lamp</p>	<p>HIT/G12 35/70 W TC-TSE/E27 22 W TCG-SE/E27 15/18 W</p>	<p>Information about lamps ↗ 396 Information about lamps ↗ 398 Information about lamps ↗ 399 As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.</p>																	

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Ordering of a reflector is only necessary for the version of the luminaire using the HIT/G12 lighting technology.
For the version with the oblong lamp shade (1200mm) please order all lighting components and fixing components twice.
For luminaire colour code -401(white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.
For lamp shade versions see page 251.

Suspended luminaires Collection



- Lighting technology HIT/G12, TC-TSE/E27, TCG-SE/E27
- for suspended mounting
- Suspended luminaire (two lamps) with lamp shade in different shades und surface finishes
- Connection data: HIT/G12, electronic ballast, 35(42)W, 70(80)W ; conventional ballast, 35(48)W, 70(88)W; TC-TSE/E27, 230V, 22W; TCG-SE/E27, 230V, 15/18W
- Weight approx. 2.8 kg (without lamp shade)

Remote gear: HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red; E27: Connection of light fitting to mains by means of 3-pole terminal block.



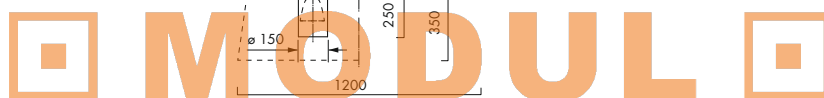
IP20

**Lighting head for lamp shade,
cubical, two lamps**

HIT/G12

with traverse and luminous tube power
cable 5m incl.

Article numbers
07 CMH 615-...



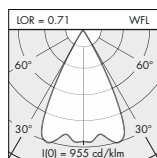
TC-TSE/TCG-SE/
E27

with traverse power cable 5m incl.

07 CMP 635-...

+ Reflector
HIT/G12

FL



h[m]	E[lx/klm]	
1.0	103	955
2.0	206	239
3.0	309	156
4.0	412	60
ø[cm]		

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Lamp

HIT/G12 35/70 W
TC-TSE/E27 22 W
TCG-SE/E27 15/18 W

Information about lamps ↗ 396
Information about lamps ↗ 398
Information about lamps ↗ 399

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.


Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

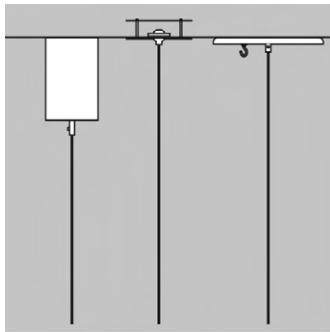
Ordering of a reflector is only necessary for the version of the luminaire using the HIT/G12 lighting technology.
For the version with the oblong lamp shade (1200mm) please order all lighting components and fixing components twice.
For luminaire colour code -401 (white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.

For fixing components see page 250.

For lamp shade versions see page 251.

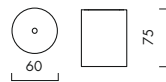

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Suspended luminaires Suspensions Collection



on a concrete ceiling

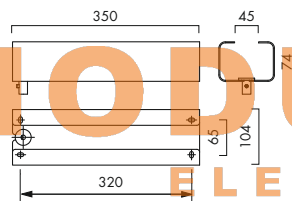
Ceiling canopy



white
black

Article numbers
17 CL 0002
17 CL 0003

Ceiling box to house conventional or electronic ballast, without ballast

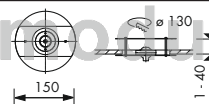


white

17 CL 0001-...

in plasterboard ceilings

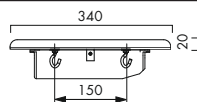
Ceiling outlet box without ballast, also for sloping ceilings



17 CL 0005-...

on a trapezoidal metal plate ceiling

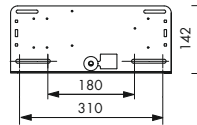
Installation plate incl. electronic ballast 220-240V 50/60Hz



35 W
70 W

27 VT 1151-H
27 VT 1351-H

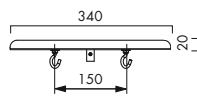
Installation plate incl. conventionell ballast 230V 50Hz



35 W
70 W

27 VT 1161-H
27 VT 1361-H

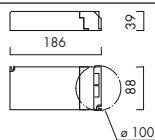
Installation plate without ballast



17 CL 0004

+ Ballast

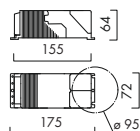
Electronic ballast 220-240V 50/60Hz



35 W
70 W

27 VT 1151
27 VT 1351

conventional ballast 230V 50Hz



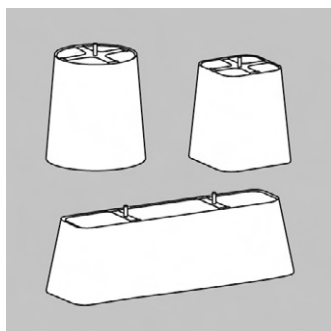
35 W
70 W

27 VTE 1161
27 VTE 1361

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite





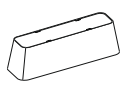



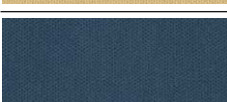





Suspended luminaires Lamp shades Collection


















	400x400/h= 435	600x600/h= 650	ø 400/h= 435	ø 600/h= 650	1200x350/h= 350
	Kim night 17 SC 0140	17 SC 0240	17 SC 0340	17 SC 0440	17 SC 0540
	Kim day 17 SC 0141	17 SC 0241	17 SC 0341	17 SC 0441	17 SC 0541
	Kim plum 17 SC 0142	17 SC 0242	17 SC 0342	17 SC 0442	17 SC 0542
	Kim ocean 17 SC 0143	17 SC 0243	17 SC 0343	17 SC 0443	17 SC 0543
	Kim forrest 17 SC 0144	17 SC 0244	17 SC 0344	17 SC 0444	17 SC 0544
	Kim clay 17 SC 0145	17 SC 0245	17 SC 0345	17 SC 0445	17 SC 0545
	Kim grass 17 SC 0146	17 SC 0246	17 SC 0346	17 SC 0446	17 SC 0546
	Chintz night 17 SC 0110	17 SC 0210	17 SC 0310	17 SC 0410	17 SC 0510
	Chintz day 17 SC 0131	17 SC 0231	17 SC 0331	17 SC 0431	17 SC 0531
	Chintz pepper 17 SC 0130	17 SC 0230	17 SC 0330	17 SC 0430	17 SC 0530

The colours of the printed images may differ from those of the originals.

Suspended luminaires Lamp shades Collection

	400x400/h= 435	600x600/h= 650	∅ 400/h= 435	∅ 600/h= 650	1200x350/h= 350
					
	Chintz chocolate 17 SC 0132	17 SC 0232	17 SC 0332	17 SC 0432	17 SC 0532
	Chintz nougat 17 SC 0137	17 SC 0237	17 SC 0337	17 SC 0437	17 SC 0537
	Chintz cappuccino 17 SC 0138	17 SC 0238	17 SC 0338	17 SC 0438	17 SC 0538
	Chintz grape 17 SC 0139	17 SC 0239	17 SC 0339	17 SC 0439	17 SC 0539
	Rouge (transparent) 17 SC 0161	17 SC 0261	17 SC 0361	17 SC 0461	17 SC 0561
	Smoke (transparent) 17 SC 0162	17 SC 0262	17 SC 0362	17 SC 0462	17 SC 0562
	Aluminium silver 17 SC 0158	17 SC 0258	17 SC 0358	17 SC 0458	17 SC 0558
	Aluminium gold 17 SC 0159	17 SC 0259	17 SC 0359	17 SC 0459	17 SC 0559
	Mirror 17 SC 0160	17 SC 0260	17 SC 0360	17 SC 0460	17 SC 0560
	Kraft 17 SC 0107	17 SC 0207	17 SC 0307	17 SC 0407	17 SC 0507

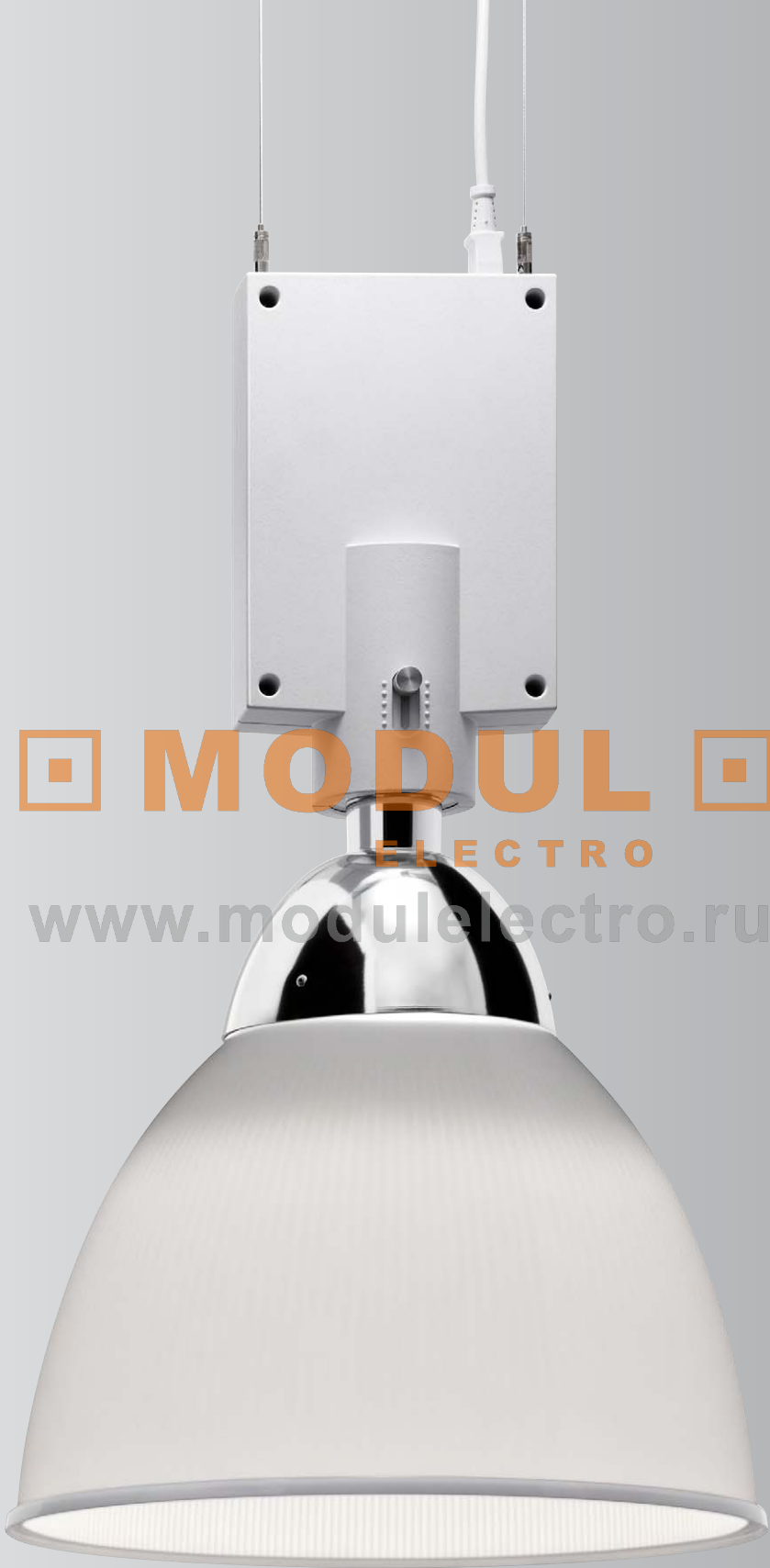
The colours of the printed images may differ from those of the originals.

	400x400/h= 435	600x600/h= 650	ø 400/h= 435	ø 600/h= 650	1200x350/h= 350
					
	Lombok ash 17 SC 0154	17 SC 0254	17 SC 0354	17 SC 0454	17 SC 0554
	Lombok walnut 17 SC 0155	17 SC 0255	17 SC 0355	17 SC 0455	17 SC 0555
	Palma day 17 SC 0150	17 SC 0250	17 SC 0350	17 SC 0450	17 SC 0550
	Palma night 17 SC 0153	17 SC 0253	17 SC 0353	17 SC 0453	17 SC 0553
	Palma stone 17 SC 0151	17 SC 0251	17 SC 0351	17 SC 0451	17 SC 0551
	Palma sand 17 SC 0152	17 SC 0252	17 SC 0352	17 SC 0452	17 SC 0552
	Dahlia (translucent) 17 SC 0100	17 SC 0200	17 SC 0300	17 SC 0400	17 SC 0500
	Barcode (translucent) 17 SC 0109	17 SC 0209	17 SC 0309	17 SC 0409	17 SC 0509
	Space silver (transparent) 17 SC 0156	17 SC 0256	17 SC 0356	17 SC 0456	17 SC 0556
	Space gold (transparent) 17 SC 0157	17 SC 0257	17 SC 0357	17 SC 0457	17 SC 0557

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The colours of the printed images may differ from those of the originals.



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Suspended luminaires

Sino

1
2
3
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Its modular type of construction provides Sino with enormous flexibility - on the one hand due to the variable suspension height, on the other due to the option of the interchangeable reflectors and the continuously adjustable tilt-out angle. In addition, the bayonet mechanism means extreme ease of assembly and permits fast and simple handling on site. This suspended luminaire is a favourably priced lighting alternative, particularly for lighting large car showrooms or in the food and discounter sectors.

- Technical design
- Zoomable lighting: fine tuning for adjustment to individual room heights
- The modular structure, the 'plug and play' connector system in the electrical installation and the bayonet mechanism of the reflector make mounting easier and reduce the cost

Suspended luminaires

Compendium Sino



Sino SCI
↗ 257

Sino SCT
↗ 260

Lighting technology

HIT/G12 70 W
 HIT/G12 100 W
 HIT/G12 150 W
 HST/GX12-1 50 W
 HST/GX12-1 100 W

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Type of reflector

SP-WFL
 SP-VWFL
 MFL-WFL

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

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 ELECTRO
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Suspended luminaires

Sino SCI



- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with integral electronic ballast and interchangeable reflectors
- Change of beam angle by means of focus adjuster
- Connection data: electronic ballast, 220-240V, 70(80)W, 100(109)W, 150(163)W
- Weight approx. 5.0 kg

Electrical connection by means of IEC power connector. Suspension system may be installed separately and before the light fitting itself. Suspension rod can be shortened on site. Reflector fastened by means of bayonet lock.



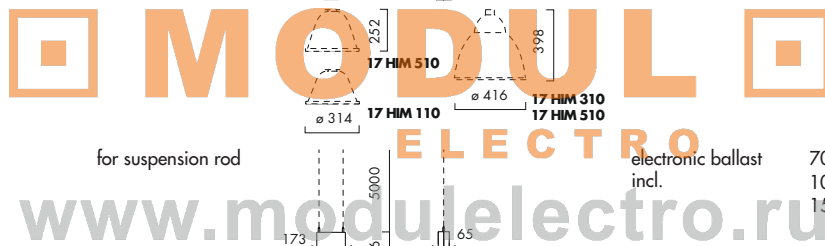
IP20

Control gear housing

for wire suspension

electronic ballast incl.
70 W
100 W
150 W

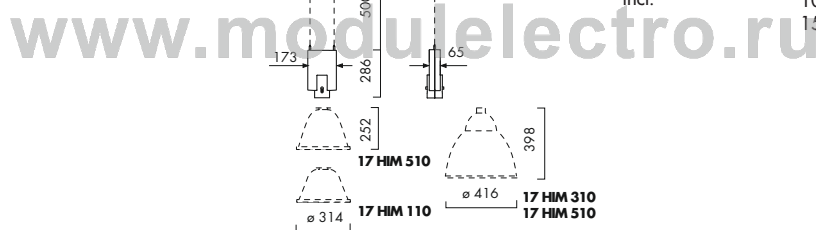
Article numbers
07 SCI 2030-...
07 SCI 5030-...
07 SCI 3030-...



for suspension rod

electronic ballast incl.
70 W
100 W
150 W

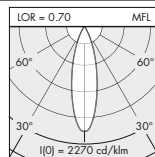
07 SCI 2040-...
07 SCI 5040-...
07 SCI 3040-...



+ Reflector HIT/G12

Acrylic reflector opal

MFL-WFL

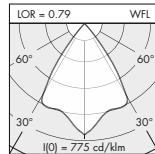


h[m]	E[lx/klm]
1.0	49 2270
2.0	98 570
3.0	147 250
4.0	196 140
ø[cm]	

17 HIM 310

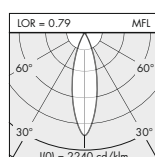
Acrylic reflector transparent

MFL-WFL

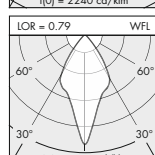


h[m]	E[lx/klm]
1.0	136 775
2.0	272 195
3.0	408 85
4.0	544 50
ø[cm]	

17 HIM 350



h[m]	E[lx/klm]
1.0	50 2240
2.0	100 560
3.0	150 250
4.0	200 140
ø[cm]	



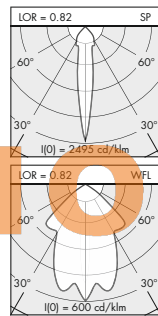
h[m]	E[lx/klm]
1.0	97 1115
2.0	194 280
3.0	291 125
4.0	388 70
ø[cm]	

Suspended luminaires

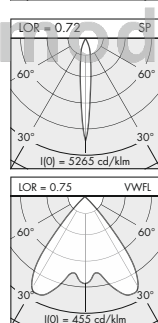
Sino SCI

Reflector aluminium

SP-WFL

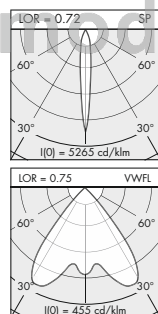


h[m]	E[lx/klm]
1.0	27 2495
2.0	54 625
3.0	81 275
4.0	108 155

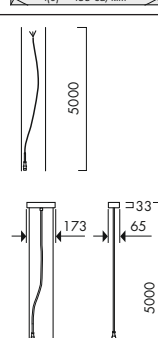


h[m]	E[lx/klm]
1.0	114 600
2.0	228 150
3.0	342 85
4.0	456 35

SP-VWFL



h[m]	E[lx/klm]
1.0	19 5265
2.0	38 1315
3.0	57 585
4.0	76 330



h[m]	E[lx/klm]
1.0	160 455
2.0	320 115
3.0	480 50
4.0	640 30

Article numbers
17 HIM 110-...

17 HIM 510-...

+ Suspension

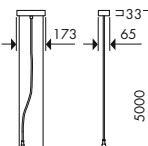
Wire suspension



power cable 5m incl. grey
power cable 5m incl. black

17 DS 0250
17 DS 0150

Wire suspension with ceiling box



power cable 5m incl.

17 DS 1150-...

Suspension rod with ceiling box



L = 2500mm, power cable incl.

17 PS 1125-...

+ Lamp


HIT/G12 70/100/150 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

For luminaire colour code -401 (white) the cable colour is grey, for colour code -402 (anthracite) and -410 (silver) the cable colour is black. White cable on request.


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Suspended luminaires

Sino SCT



- Lighting technology HST/GX12-1
- for suspended mounting
- Suspended luminaire with integral electronic ballast and interchangeable aluminium reflectors
- Change of beam angle by means of focus adjuster
- Connection data: electronic ballast, 220-240V, 50(62)W, 100(110)W
- Weight approx. 5.0 kg

Electrical connection by means of IEC power connector. Cable to mains left bare ended. Suspension system may be installed separately and before the light fitting itself. Suspension rod can be shortened on site.



Control gear housing

for wire suspension

electronic ballast
incl.

50 W
100 W

Article numbers
07 SCT 6030-...
07 SCT 7030-...

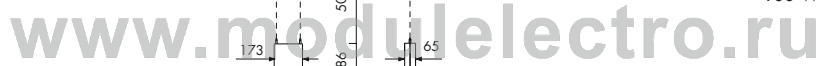


for suspension rod

electronic ballast
incl.

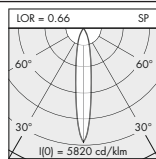
50 W
100 W

07 SCT 6040-...
07 SCT 7040-...



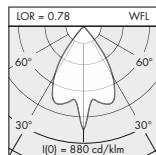
+ Reflector HST/GX12-1

Reflector aluminium SP-WFL



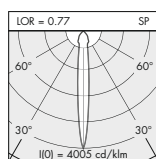
h[m]	E[lx/klm]	ø[cm]
1.0	22 5820	
2.0	44 1455	
3.0	66 645	
4.0	88 365	

17 HSM 510-...



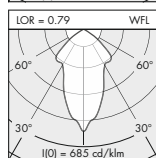
h[m]	E[lx/klm]	ø[cm]
1.0	125 880	
2.0	250 220	
3.0	375 100	
4.0	500 55	

SP-WFL



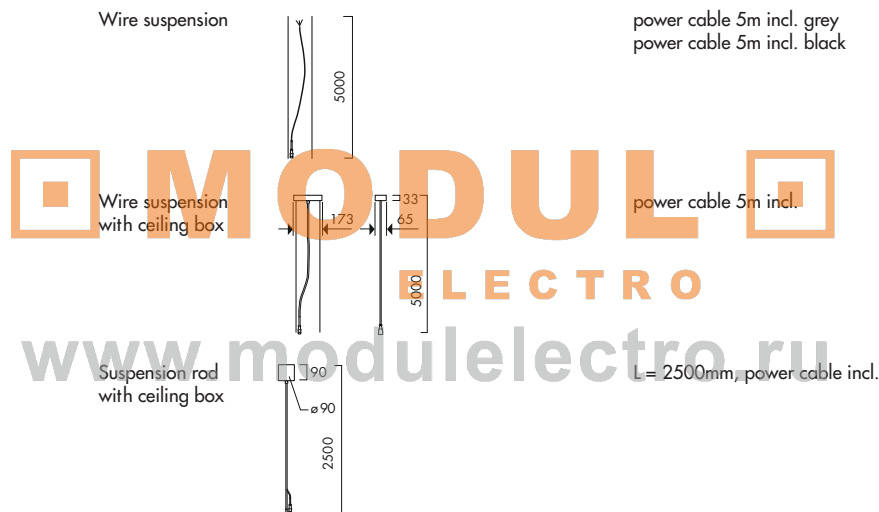
h[m]	E[lx/klm]	ø[cm]
1.0	19 4005	
2.0	38 1000	
3.0	57 445	
4.0	76 250	

17 HSM 110-...



h[m]	E[lx/klm]	ø[cm]
1.0	85 685	
2.0	170 170	
3.0	255 75	
4.0	340 45	

+ Suspension



power cable 5m incl. grey
power cable 5m incl. black

Article numbers

17 DS 0250
17 DS 0150

power cable 5m incl.

17 DS 1150-...

L = 2500mm, power cable incl.

17 PS 1125-...

+ Lamp


HST/GX12-1 50/100 W

Information about lamps ↗ 397

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

For luminaire colour code -401 (white) the cable colour is grey, for colour code -402 (anthracite) and -410 (silver) the cable colour is black. White cable on request.



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Suspended luminaires

Cupola

1
2
3
4
5
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7
8



The Cupola pendant luminaire combines powerful lighting from various heights with the sensitive design of shapes. Reflectors made of acrylics or aluminium guide the light and at the same time provide accentuation lighting within the room. Depending on the shape of the reflectors, narrow beam or wide wash lighting effects are obtained. Cupola is ideal for the lighting of large, high rooms, stairways, halls and corridors.

- Classic design
- The classic among the suspended luminaires with a loft look
- Acrylic reflector for distant effect, aluminium reflectors for dark light effect
- High luminous efficiency for optimum efficiency

Suspended luminaires

Compendium Cupola



Cupola VFI
↗ 265

Cupola VCI
↗ 267

Lighting technology

HIT/G12 35 W

HIT/G12 70 W

HIT/G12 100 W

HIT/G12 150 W

TC-TEL/GX24q-2 18 W

TC-TEL/GX24q-3 26 W

TC-TEL/GX24q-3 32 W

TC-TEL/GX24q-4 42 W

•

•

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Type of reflector

FL

WFL

VWFL

•

•

•

MODULO
ELECTRO

www.modulelectro.ru

Suspended luminaires

Cupola VFI



- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with interchangeable reflectors and aluminium lamp shade, coated
- transparent cable
- Connection data: electronic ballast, 35(42)W, 70(80)W, 150(163)W
- Weight 5.5 kg

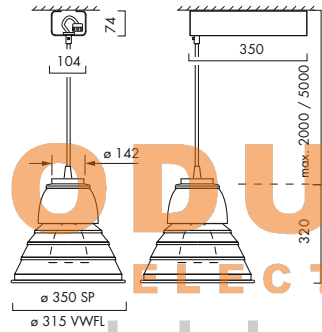
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



IP20

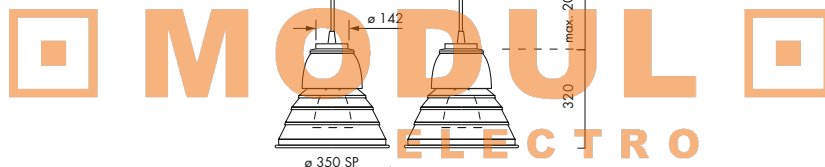
Control gear housing with integral lamp shade

with ceiling box, without ballast



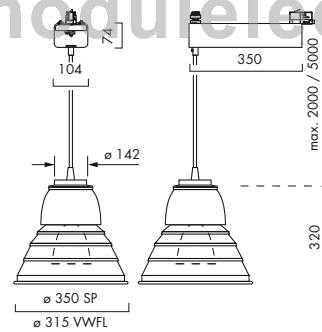
Cable lengths 2m
Cable lengths 5m

Article numbers
07 VFI 682-...
07 VFI 685-...



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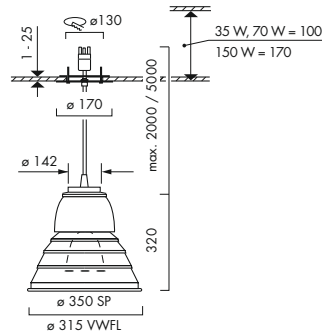
with with 3-circuit adapter and ceiling box, without ballast



Cable lengths 2m
Cable lengths 5m

07 VFI 692-...
07 VFI 695-...

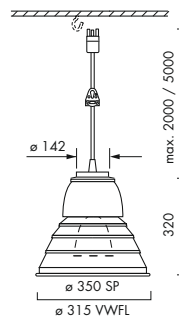
with ceiling plate



Cable lengths 2m
Cable lengths 5m

07 VFI 672
07 VFI 675

with eyelet for ceiling hook



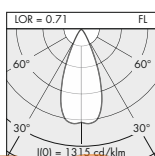
Cable lengths 2m
Cable lengths 5m

07 VFI 602
07 VFI 605

Suspended luminaires Cupola VFI

+ Reflector HIT/G12

FL



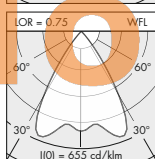
h[m]	Ø[cm]	E[lx/klm]
1.0	8.1	1315
2.0	16.2	330
3.0	24.2	145
4.0	32.3	80

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

Article numbers
17 HIH 610
17 HIH 610-SN
17 HIH 610-GD
17 HIH 610-RS
17 HIH 610-BD



WFL

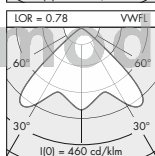


h[m]	Ø[cm]	E[lx/klm]
1.0	12.7	655
2.0	25.4	165
3.0	38.1	75
4.0	50.8	40

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 410
17 HIH 410-SN
17 HIH 410-GD
17 HIH 410-RS
17 HIH 410-BD

VWFL



h[m]	Ø[cm]	E[lx/klm]
1.0	17.9	460
2.0	35.9	115
3.0	53.8	50
4.0	71.8	30

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIH 210
17 HIH 210-SN
17 HIH 210-GD
17 HIH 210-RS
17 HIH 210-BD

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz
35 W
70 W
35 W
70 W
150 W

27 VTE 1121
27 VTE 1321
27 VT 1151
27 VT 1351
27 VT 1651

+ Lamp

HIT/G12 35/70/150 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Suspended luminaires Cupola VCI

1
2
3
4
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- Lighting technology TC-TEL/GX24q
- for suspended mounting
- Suspended luminaire with reflector in ribbed acrylic plastic
- transparent cable
- Integral electronic ballast
- Connection data: electronic ballast, 220-240V, 18(20)W, 26(28)W, 32(35)W, 42(46)W
- Weight 2.5 kg

Connection of light fitting to mains by means of 3-pole terminal block.



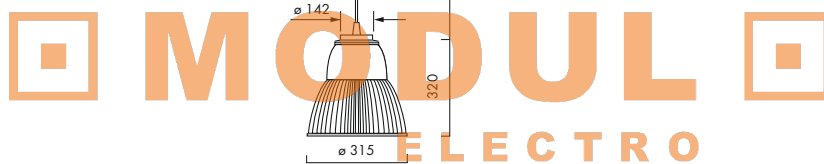
IP20

Control gear housing with integral lamp shade

with ceiling box

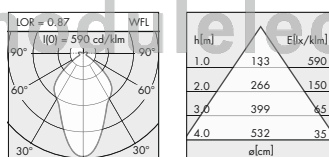
Cable lengths 5m

Article numbers
07 VCI 965-...



TC-TEL/GX24q

WFL



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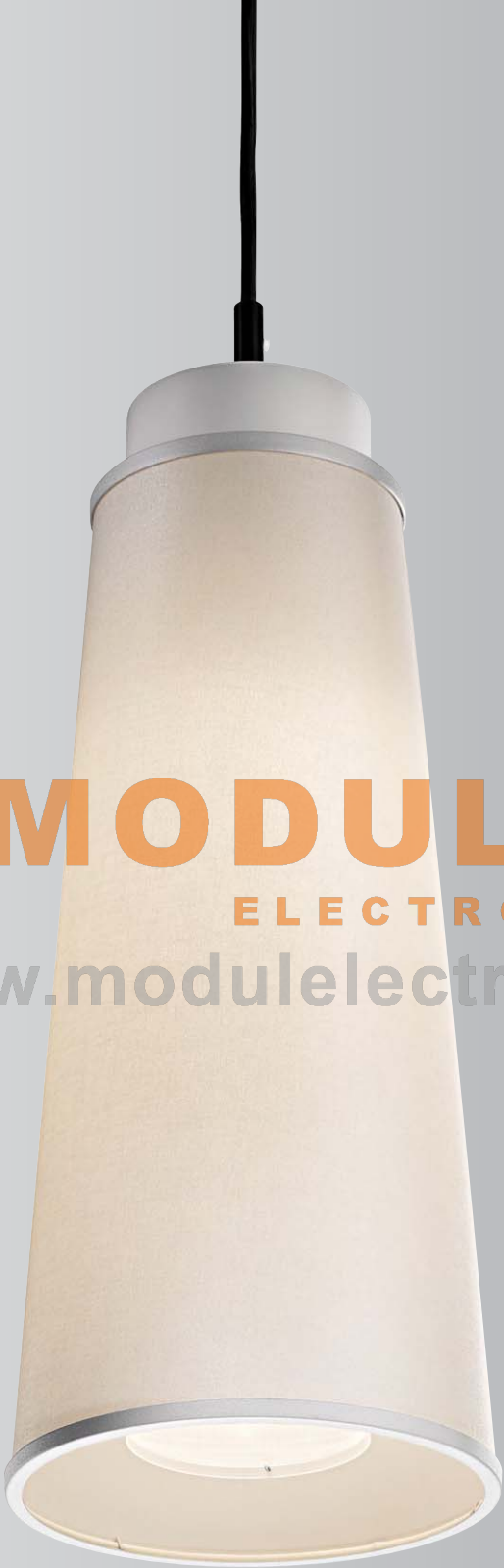
+ Lamp

- TC-TEL/GX24q-2 18 W
- TC-TEL/GX24q-3 26/32 W
- TC-TEL/GX24q-4 42 W

Information about lamps ↗ 398
Information about lamps ↗ 398
Information about lamps ↗ 398

Order information

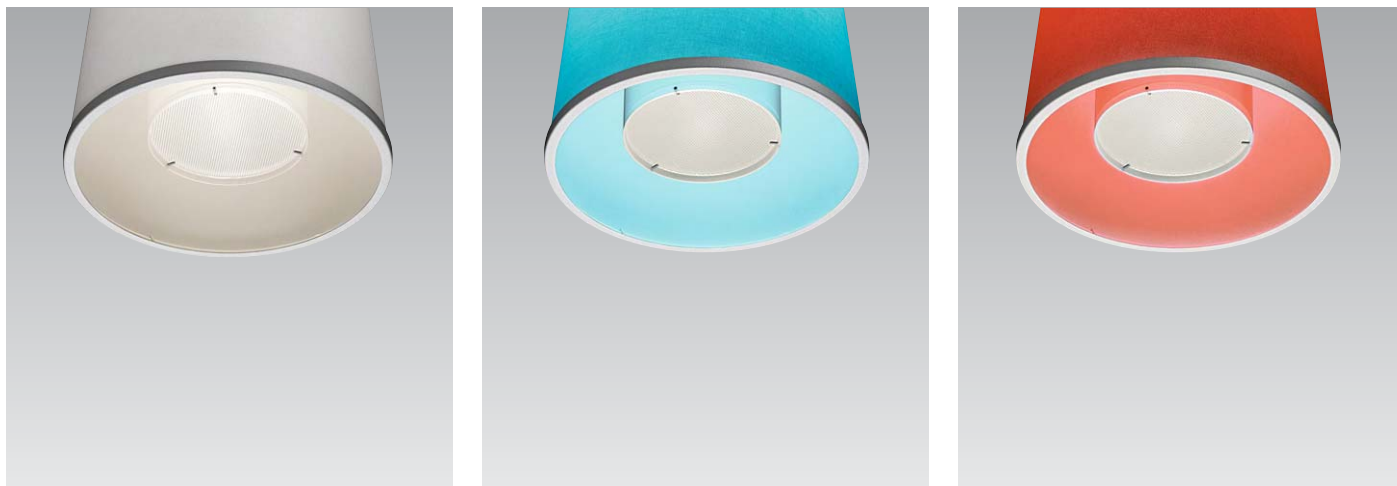
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



MODUL
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Suspended luminaires

Cone





Sophisticated lighting engineering and decorative design characterise the pendant luminaire Cone. The conical shades in different sizes are fitted with high-pressure metal halide lamps. Interchangeable pieces of coloured sheeting bathe the transparent plastic shades in the desired colour, the conical light beam remaining a neutral white in colour. In this way, Cone provides representative accentuation lighting.

- Elegant, classic luminaire design
- Suspended luminaire in large format that emotionalizes by means of colour
- Flexibility in colour design simple change of the coloured film changes the visual effect
- Combination of visible light with distant effect and high-performance lighting technology without any adverse effect on colour rendition in the cone of light

Suspended luminaires

Compendium Cone

			
		Cone CNC ↗ 271	Cone CPB ↗ 273
Lighting technology	HIT/G12 35 W	•	
	HIT/G12 70 W	•	
	HIT/G8.5 35 W		•
	HIT/G8.5 70 W		•
Type of reflector	SSP	•	
	SP	•	•
	MFL	•	

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www.modulelectro.ru

Suspended luminaires

Cone CNC

1
2
3
4
5
6
7
8



- Lighting technology HIT/G12
- for suspended mounting
- Suspended luminaire with integral conventional ballast and white textile shade and interchangeable coloured plastic sheets
- Pure white light cone
- Connection data: conventional ballast, 230V, 35(48)W, 70(88)W
- Weight 12.0 kg

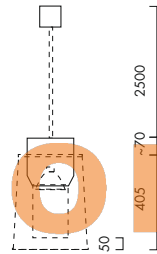
Connection of light fitting to mains by means of 3-pole terminal block. Suspension rod can be shortened on site.



IP20

Control gear housing

for suspension rod



conventional ballast incl. 35 W
70 W

Article numbers
07 CNC 121-...
07 CNC 221-...

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+ Luminous tube with integral reflector

Safety glass incl.

Diffusor incl.

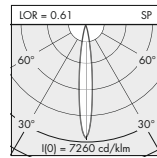
h = 400mm
h = 700mm
h = 1000mm
h = 400mm
h = 700mm
h = 1000mm

17 LR 0001
17 LR 0002
17 LR 0003
17 LR 0101
17 LR 0102
17 LR 0103

HIT/G12

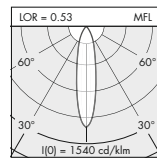
h = 400mm

SP (17 LR 0001)



h[m]	Elx/klm
1.0	23 7255
2.0	46 1815
3.0	69 805
4.0	92 455
el[cm]	

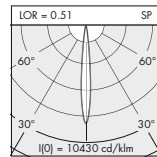
MFL (17 LR 0101)



h[m]	Elx/klm
1.0	39 1540
2.0	78 385
3.0	117 170
4.0	156 95
el[cm]	

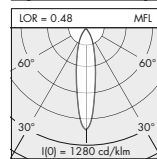
h = 700mm

SP (17 LR 0002)



h[m]	Elx/klm
1.0	18 10430
2.0	36 2605
3.0	54 1160
4.0	72 650
el[cm]	

MFL (17 LR 0102)

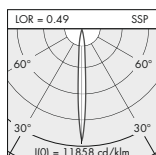


h[m]	Elx/klm
1.0	39 1280
2.0	78 320
3.0	117 145
4.0	156 80
el[cm]	

Suspended luminaires

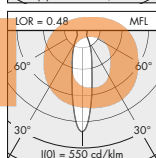
Cone CNC

HIT/G12 h = 1000mm SSP (17 LR 0003)



h[m]	d[cm]	E[lx/klm]
1.0	14	11860
2.0	28	2965
3.0	42	1320
4.0	56	740

MFL (17 LR 0103)



h[m]	d[cm]	E[lx/klm]
1.0	40	550
2.0	80	140
3.0	120	60
4.0	160	35

+ Lamp shade

www.modulelectro.com

d = 320mm, h = 400mm
d = 370mm, h = 700mm
d = 420mm, h = 1000mm

Article numbers
17 SC 1001-...
17 SC 1002-...
17 SC 1003-...

+ Suspension

Suspension rod

l = 2500mm

17 PS 1100-...

+ Lamp

HIT/G12 35/70 W

Information about lamps ↗ 396

Optional accessories

Colour foil
for luminous tube

d = 310mm,
h = 400mm

blue
yellow
green
orange
red

17 FF 0043
17 FF 0013
17 FF 0063
17 FF 0023

d = 370mm,
h = 700mm

turquoise
blue
yellow
green
orange
red

17 FF 0003
17 FF 0033
17 FF 0042
17 FF 0012
17 FF 0062
17 FF 0022

d = 400mm,
h = 1000mm

turquoise
blue
yellow
green
orange
red
turquoise

17 FF 0002
17 FF 0032
17 FF 0041
17 FF 0011
17 FF 0061
17 FF 0021
17 FF 0001
17 FF 0031

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

The end ring of the lamp shade is coated in the colour of the housing.

Suspended luminaires

Cone CPB



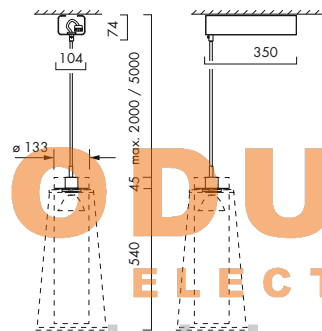
- Lighting technology HIT/G8.5
- for suspended mounting
- Suspended luminaire with white textile shade and interchangeable coloured plastic sheets
- transparent cable
- Pure white light cone
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 3.3 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



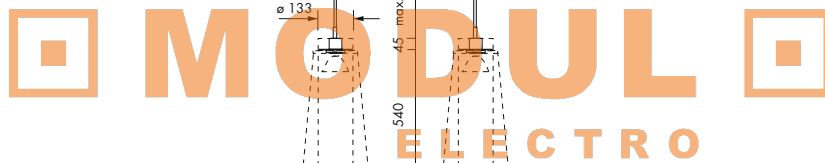
Control gear housing with integral reflector

with ceiling box, without ballast



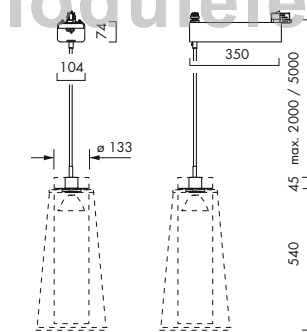
Cable lengths 2m
Cable lengths 5m

Article numbers
07 CPB 682-...
07 CPB 685-...



www.modulelectro.ru

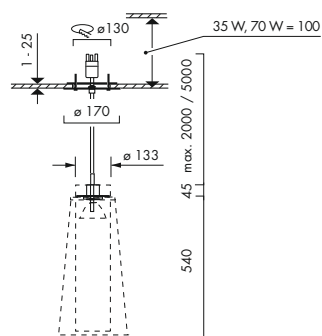
with 3-circuit adapter and ceiling box, without ballast



Cable lengths 2m
Cable lengths 5m

07 CPB 692-...
07 CPB 695-...

with ceiling plate

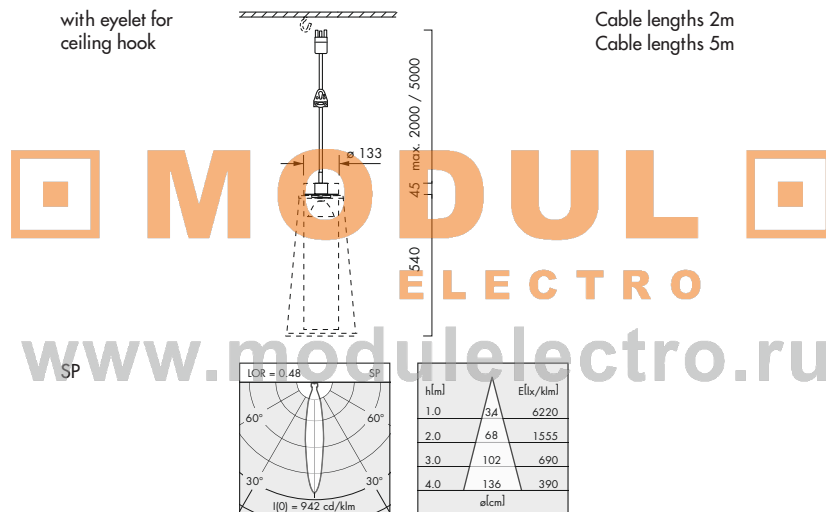


Cable lengths 2m
Cable lengths 5m

07 CPB 672
07 CPB 675

Suspended luminaires



Cone CPB




+ Luminous tube	Diffusor incl.	h = 560mm	17 LR 0011
+ Lamp shade		d = 273 mm, h = 590 mm	17 SC 1011-...
+ Ballast	Electronic ballast	220-240V 50/60Hz	35 W 70 W 27 VTE 1121 27 VTE 1321
+ Lamp	HIT/G8.5 35/70 W	Information about lamps ↗ 396	
Optional accessories	Colour foil for luminous tube	blue yellow green orange red turquoise	17 FF 0140 17 FF 0110 17 FF 0160 17 FF 0120 17 FF 0100 17 FF 0130

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

 **MODUL** 
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MODULO
ELECTRO
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Systems Features and Benefits



Lightstripe 7281

- Graphic use of shapes
- Extensive, modular luminaire system for universal lighting tasks: ambient lighting, accent lighting, wall-washers, emergency lighting, loudspeakers
- Mounting of the frame and the function modules without the use of tools
- Extensible to form an infinitely long lighting duct system
- Maximum flexibility, since it can at any time be adjusted to changed space situations
- Advantages and flexibility of a power track concept were transferred to a recessed system
- Design networking with Brick and Cardo

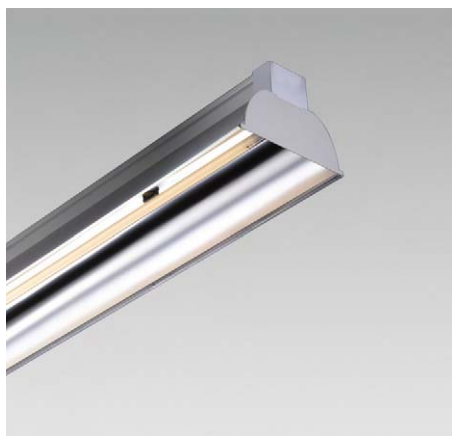
Cardo 7307

- Classic, gimbal-mounted design
- Modular system with various overall sizes
- Variable use possibility
- Formal networking with the systems Lightstripe, Brick and Cardo round
- Favourably priced alternative to the Lightstripe system

Adlight 7319

- Straight-line, pure design
- Strip lighting system with interfaces for luminaires and merchandizing elements for individualized branding
- Combination of power track, direct/indirect lighting, ambient/accent lighting, decorative lighting, control system and merchandizing

www.modulelectro.ru





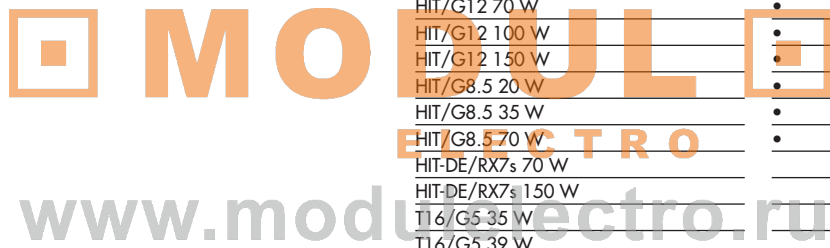
Cordline 7333

- Basic design
- Strip lighting system as a quick-mounting system
- Connection of the profiles without the use of tools
- Power track profile permits the use of all of the spotlights in the Ansorg range

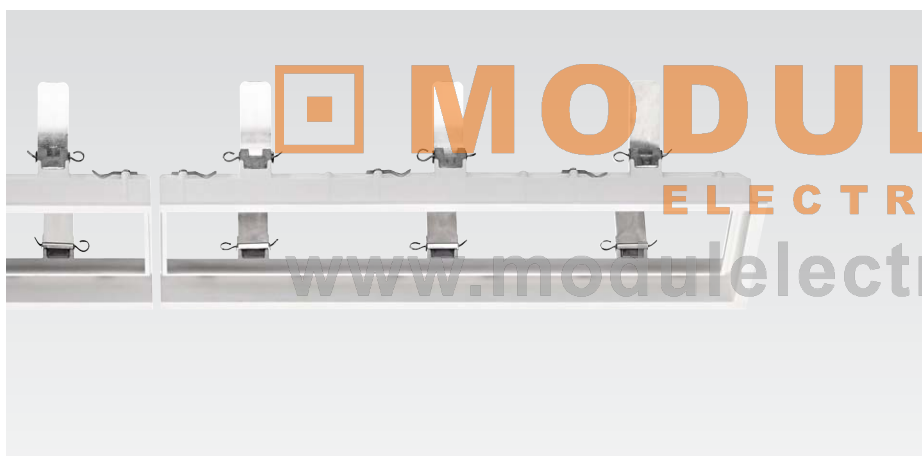
Vario 7339

- Architectural design
- Linear profile system designed as recessed, surface-mounted or suspended version
- Reinforces the impression of space and emphasizes the axes
- Abundant selection of functional elements for every lighting task

			
		Lightstripe	Cardo
		↗ 281	↗ 307
Mounting	for recessed mounting	•	
	for ceiling mounting		
	for suspended mounting		
	for surface and suspended mounting		
Lighting technology	QT-LP12/GY6.35 max. 90 W	•	•
	QR-CBC51/GU5.3 max. 50 W		•
	QPAR16/GU10 max. 50 W	•	
	HIT/G12 35 W	•	•
	HIT/G12 70 W	•	•
	HIT/G12 100 W	•	•
	HIT/G12 150 W	•	•
	HIT/G8.5 20 W	•	•
	HIT/G8.5 35 W	•	•
	HIT/G8.5 70 W	•	•
	HIT-DE/RX7s 70 W		•
	HIT-DE/RX7s 150 W		•
	T16/G5 35 W		
	T16/G5 39 W		
	T16/G5 49 W		
	TC-DEL/G24q-2 2 x 18 W		•
	TC-DEL/G24q-3 2 x 26 W		•
	TC-SEL/2G7 11 W	•	
	TC-L/2G11 36 W	•	
	TC-L/2G11 55 W	•	
	LED	•	
Type of reflector	SSP	•	•
	SP	•	•
	MFL	•	•
	FL	•	•
	WFL	•	•
	VWFL	•	




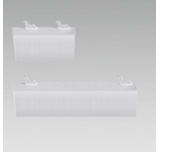




Lightstripe is a modular luminaire system. The fitting frames are available in various lengths or for arrangement in rows of infinite length for the formation of linear structures fastened in the ceiling cut-out without any use of tools. The modular panels are equipped with different types of luminaires and are fastened in the fitting frame by means of a suspension mechanism, without the help of tools. All of the panels can be replaced at any time and their variants are designed in such a way that they flexibly perform every lighting task.

- Graphic use of shapes
- Extensive, modular luminaire system for universal lighting tasks: ambient lighting, accent lighting, wall-washers, emergency lighting, loudspeakers
- Mounting of the frame and the function modules without the use of tools
- Extensible to form an infinitely long lighting duct system
- Maximum flexibility, since it can at any time be adjusted to changed space situations
- Advantages and flexibility of a power track concept were transferred to a recessed system
- Design networking with Brick and Cardo

Systems Compendium Lightstripe

			
Mounting	for recessed mounting	•	•
Lighting technology	QT-LP12/GY6.35 max. 90 W HIT/G8.5 20 W HIT/G8.5 35 W HIT/G8.5 70 W LED		
Type of reflector	SSP SP MFL FL WFL VWFL		

MODULO
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Systems Compendium Lightstripe



Lightstripe LMC
↗ 297



Lightstripe LLD
↗ 298

Mounting

Lighting technology

Type of reflector

for recessed mounting

QPAR16/GU10 max. 50 W

HIT/G12 35 W

HIT/G12 70 W

HIT/G12 100 W

HIT/G12 150 W

HIT/G8.5 20 W

HIT/G8.5 35 W

HIT/G8.5 70 W

TC-SEL/2G7 11 W

TC-L/2G11 36 W

TC-L/2G11 55 W

LED

WFL

WWFL

MODULE
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Systems Lightstripe LLS



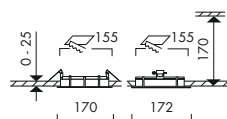
- Fitting frame system with specified modules (1 to 4 modules) or for the formation of rows of infinite length
- Fitting of the various function panels without the use of tools, combining fixtures as desired
- Weight from 0.3 to 0.7 kg

Only the 1-, 2- and 3-way unit can be installed in Dipling ceilings.



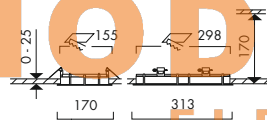
Fitting frame with specified modules

1 module



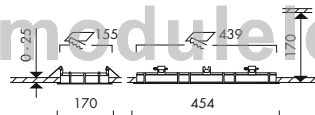
Article numbers
06 LLS 0010-...

2 modules



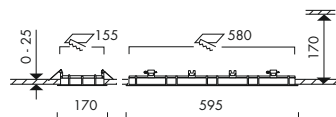
06 LLS 0020-...

3 modules



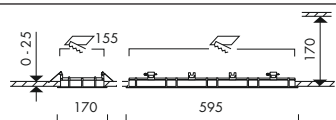
06 LLS 0030-...

4 modules



06 LLS 0040-...

Fitting frame for the formation of rows of infinite length



End frame

for 2 module units 06 LLS 0021-...

center frame

for 3 module units 06 LLS 0031-...

for 3 module units 06 LLS 0032-...

for 4 module units 06 LLS 0042-...

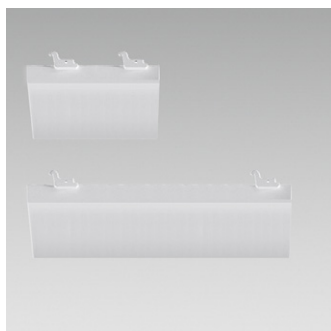
Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

The length of the ceiling cut-out depends on the number of modules in the frame; one module: $l = 141$ mm. The length of the ceiling cut-out is calculated with the following formula: number of modules $\times 141$ mm + 15 mm. The overall length (external dimension) is calculated with the formula: number of modules $\times 141$ mm + 30 mm.

Systems Lightstripe LLS blank panel

1
2
3
4
5
6
7
8

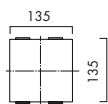


- Blank panel (1 or 2 modules)
- Fitting of the function panel without the use of tools
- Weight 0.2 kg / 0.4 kg

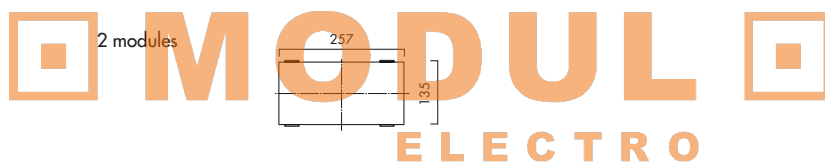


Blank panel

1 module



Article numbers
06 LLS 0100-...



2 modules

06 LLS 0200-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LBS



- Lighting technology HIT/G8.5
- Function panel (1 module) with spotlight, tilting and turning
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 1.0 kg

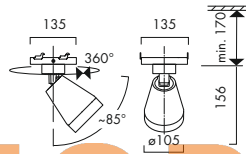
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



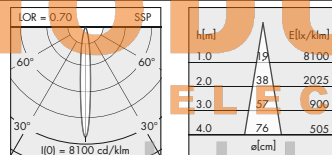
Function panel with spotlight

20/35/70 W

Article numbers
06 LBSS 65X-...



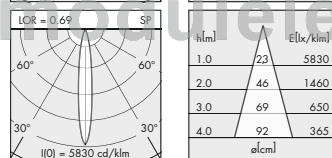
+ Reflector HIT/G8.5



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 810-...
17 HIB 810-SN-...
17 HIB 810-GD-...
17 HIB 810-RS-...
17 HIB 810-BD-...

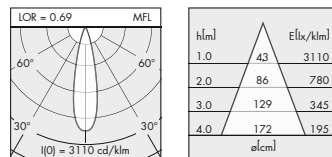
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 610-...
17 HIB 610-SN-...
17 HIB 610-GD-...
17 HIB 610-RS-...
17 HIB 610-BD-...

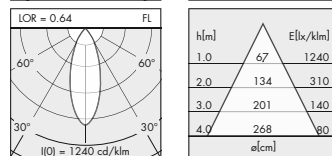
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 410-...
17 HIB 410-SN-...
17 HIB 410-GD-...
17 HIB 410-RS-...
17 HIB 410-BD-...

FL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 210-...
17 HIB 210-SN-...
17 HIB 210-GD-...
17 HIB 210-RS-...
17 HIB 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansoarg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Glare reduction cylindric
Filter

Coloured glass filter

blue
yellow
green
orange
red

UV filter


17 AS 2000
17 GL 1021
17 GL 1023
17 GL 1022
17 GL 1024
17 GL 1020
17 GL 1010
17 WR 0003

Honeycomb grid

The use of the colour filters blue, green is only permitted for the operation of the luminaire in the 20W and 35W versions.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


MODULO
ELECTRO
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Systems Lightstripe LBE



- Lighting technology QT-LP12/GY6.35
- Function panel (1 module) with spotlight, tilting and turning
- Fitting of the function panel without the use of tools
- Connection data: electronic transformer, 12V, max. 90W
- Weight 1.0 kg

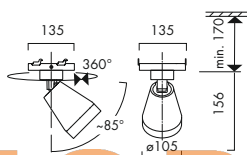
Connection of light fitting to ballast by means of 2-pole terminal block.



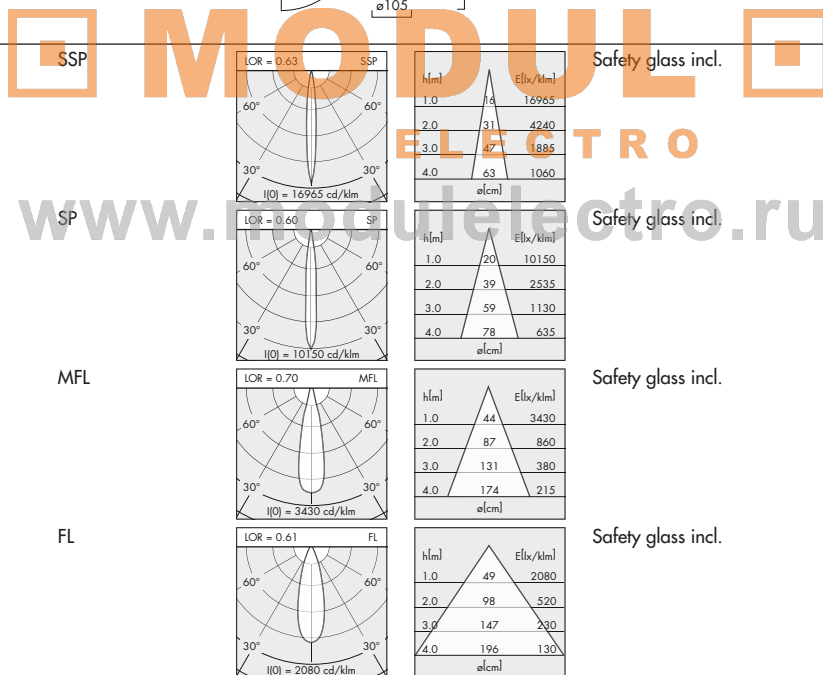
Function panel with spotlight

max. 90 W

Article numbers
06 LBES 05X-...



+ Reflector QT-LP12/GY6.35



+ Ballast

Electronic low voltage transformer
QT-LP12/QR-CBC

230-240V/12V,
50/60Hz

20-105 VA

15 NE 3018

+ Lamp

QT-LP12 IRC/GY6.35 35/50/65 W
QT-LP12/GY6.35 20/35/50/75/90 W

Information about lamps ↗ 400

Information about lamps ↗ 400

Optional accessories

Glare reduction cylindric

17 AS 2000

Order information

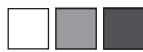
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LDL



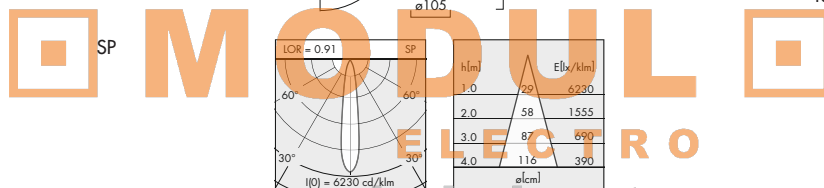
- Lighting technology LED
- Function panel (1 module) with spotlight, tilting and turning
- with integral reflector
- Fitting of the function panel in the frame without the use of tools
- Connection data: supply unit, 23(26)W, 1000lm, 700mA, CCT 3000K or 4000K, CRI > 80
- Weight 1.0 kg

Connection of light fitting to ballast by means of Wieland safety plug system GST15i2 50V.



Function panel with spotlight and integral reflector

LED



SP	3000 K
	4000 K
MFL	3000 K
	4000 K
FL	3000 K
	4000 K

Article numbers

- 06 LDL 1820-...
- 06 LDL 1830-...
- 06 LDL 1620-...
- 06 LDL 1630-...
- 06 LDL 1420-...
- 06 LDL 1430-...

+ Ballast

Supply unit

110-240V, dimmable 1-10V 50/60Hz	max. 25 W	17 LE 7013
220-240V 50/60Hz	max. 33 W	17 LE 7012

Lamp

LED

Optional accessories

Glare reduction cylindric

17 AS 2000

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LCS



- Lighting technology HIT/G8.5
- Function panel (1 module) with recessed spotlight, gimbal-mounted
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 1.0 kg

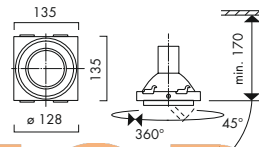
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



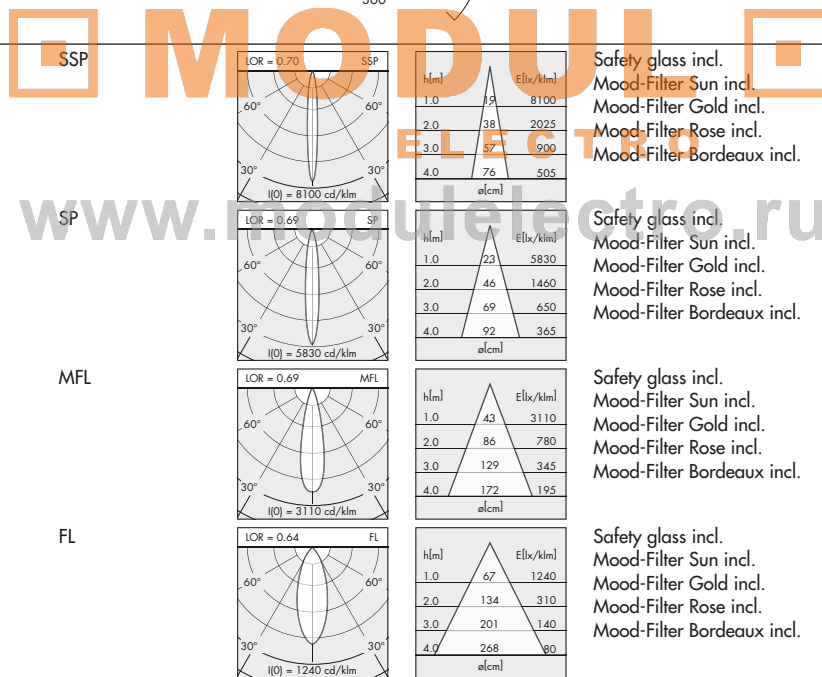
Function panel with recessed spotlight

20/35/70 W

Article numbers
06 LCSS 65X-...



+ Reflector HIT/G8.5



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 810-...
17 HIB 810-SN-...
17 HIB 810-GD-...
17 HIB 810-RS-...
17 HIB 810-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 610-...
17 HIB 610-SN-...
17 HIB 610-GD-...
17 HIB 610-RS-...
17 HIB 610-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 410-...
17 HIB 410-SN-...
17 HIB 410-GD-...
17 HIB 410-RS-...
17 HIB 410-BD-...

Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 210-...
17 HIB 210-SN-...
17 HIB 210-GD-...
17 HIB 210-RS-...
17 HIB 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 20/35/70 W

Information about lamps ↗ 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Glare reduction cylindric
Honeycomb grid

17 AS 2000
17 WR 0003

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

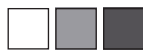
Systems Lightstripe LCE

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8



- Lighting technology QT-LP12/GY6.35
- Function panel (1 module) with recessed spotlight, gimbal mounted
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic transformer, 12V, max. 90W
- Weight 1.0 kg

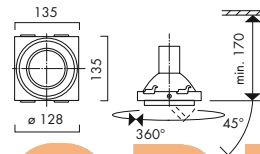
Connection of light fitting to ballast by means of 2-pole terminal block.



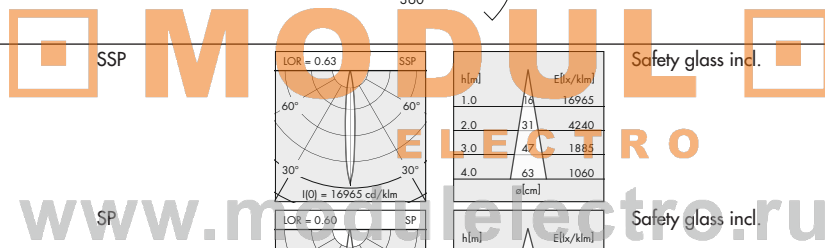
Function panel with recessed spotlight

max. 90 W

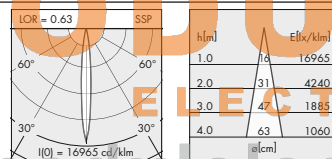
Article numbers
06 LCES 05X-...



+ Reflector QT-LP12/GY6.35



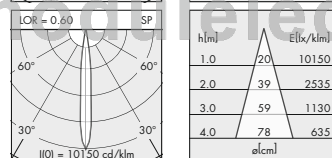
SSP



Safety glass incl.

17 HIB 810-...

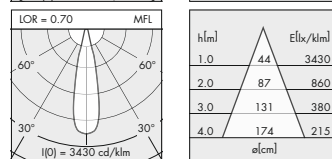
SP



Safety glass incl.

17 HIB 610-...

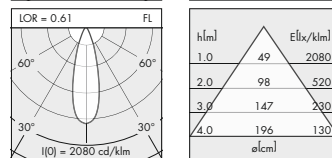
MFL



Safety glass incl.

17 HIB 410-...

FL



Safety glass incl.

17 HIB 210-...

+ Ballast

Electronic low voltage transformer
QT-LP12/QR-CBC

230-240V/12V,
50/60Hz

20-105 VA

15 NE 3018

+ Lamp

QT-LP12 IRC/GY6.35 35/50/65 W
QT-LP12/GY6.35 20/35/50/75/90 W

Information about lamps ↗ 400

Information about lamps ↗ 400

Optional accessories

Glare reduction cylindric

17 AS 2000

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LMC

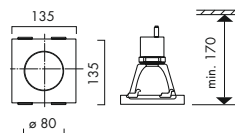


- Lighting technology HIT/G8.5
- Function panel (1 module) with downlight, flush reflector
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 0.6 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



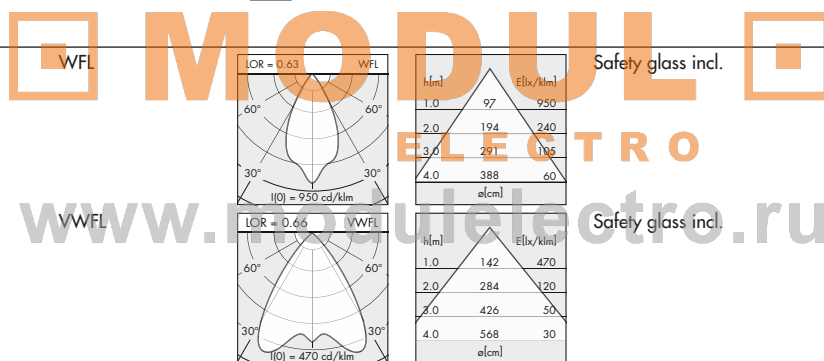
Function panel with downlight



35/70 W

Article numbers
06 LMCB 6XX-...

+ Reflector HIT/G8.5



Safety glass incl.

17 HIK 610

Safety glass incl.

17 HIK 410

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W

27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LEL



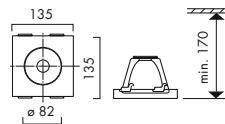
- Lighting technology LED
- Function panel with downlight
- Downlight with integral reflector FL, MFL, WFL or VWFL
- Fitting of the function panel in the frame without the use of tools
- Connection data: supply unit, 23(26)W, 1000lm, 700mA, CCT 2700K, 3000K or 4000K, CRI> 80
- Weight 0.6 kg (1 module), 1.2 kg (2 modules)

Connection of light fitting to ballast by means of Wieland safety plug system GST15i2 50V.



Function panel with downlight and integral reflector

1 module



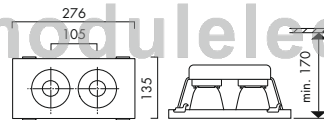
MFL	2700 K
	3000 K
	4000 K
FL	2700 K
	3000 K
	4000 K
WFL	2700 K
	3000 K
	4000 K
VWFL	2700 K
	3000 K
	4000 K

Article numbers

- 06 LEL 1610-...
- 06 LEL 1620-...
- 06 LEL 1630-...
- 06 LEL 1410-...
- 06 LEL 1420-...
- 06 LEL 1430-...
- 06 LEL 1210-...
- 06 LEL 1220-...
- 06 LEL 1230-...
- 06 LEL 1110-...
- 06 LEL 1120-...
- 06 LEL 1130-...



2 modules

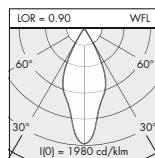


MFL	2700 K/2700 K
	2700 K/4000 K
	3000 K/3000 K
	3000 K/4000 K
	4000 K/4000 K
FL	2700 K/2700 K
	2700 K/4000 K
	3000 K/3000 K
	3000 K/4000 K
	4000 K/4000 K
WFL	2700 K/2700 K
	2700 K/4000 K
	3000 K/3000 K
	3000 K/4000 K
	4000 K/4000 K
VWFL	2700 K/2700 K
	2700 K/4000 K
	3000 K/3000 K
	3000 K/4000 K
	4000 K/4000 K

- 06 LEL 2611-...
- 06 LEL 2613-...
- 06 LEL 2622-...
- 06 LEL 2623-...
- 06 LEL 2633-...
- 06 LEL 2411-...
- 06 LEL 2413-...
- 06 LEL 2422-...
- 06 LEL 2423-...
- 06 LEL 2433-...
- 06 LEL 2211-...
- 06 LEL 2213-...
- 06 LEL 2222-...
- 06 LEL 2223-...
- 06 LEL 2233-...
- 06 LEL 2111-...
- 06 LEL 2113-...
- 06 LEL 2122-...
- 06 LEL 2123-...
- 06 LEL 2133-...

LED

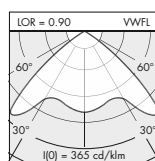
WFL



h[m]	E _{lx} /klm	
1.0	80	1980
2.0	160	495
3.0	240	290
4.0	320	125

elcm

VWFL



h[m]	E _{lx} /klm	
1.0	232	365
2.0	463	90
3.0	695	40
4.0	927	25

elcm

+ Ballast

Supply unit

110-240V, dim-
mable 1-10V
50/60Hz
220-240V
50/60Hz

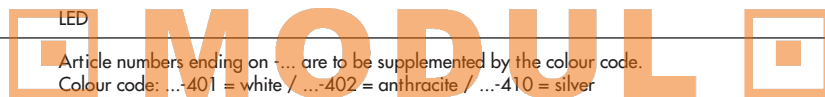
max. 25 W

max. 33 W

Article numbers
17 LE 7013

17 LE 7012

Lamp



Order information

Article numbers ending on ... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

ELECTRO

www.modulelectro.ru

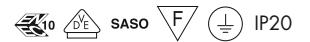
Systems Lightstripe LMC

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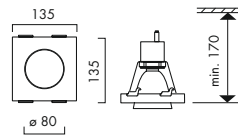


- Lighting technology HIT/G8.5
- Function panel (1 module) with downlight, overlaying reflector
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 0.6 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



Function panel with downlight

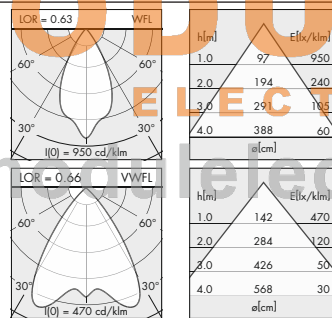


35/70 W

Article numbers
06 LMCA 6XX...

+ Reflector HIT/G8.5

WFL



Safety glass incl.

17 HIK 610

VWFL

Safety glass incl.

17 HIK 410

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W

27 VTE 1121
27 VTE 1321

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LLD



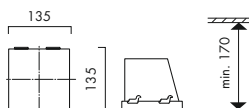
- Lighting technology HIT/G8.5, TC-SEL2G7, TC-L/2G11
- Function panel (1, 2 or 3 modules) with downlight (frameless, opal acrylic glass tile)
- Downlight with washer effect, symmetrical light distribution
- Fitting of the function panel without the use of tools
- Connection data: HIT/G8.5: electronic ballast, (1x) 20(24)W, 35(42)W;
TC-SEL/2G7, (2x) 11(25)W; TC-L/2G11: (1x) 36(38)W
- Weight 1.3 kg (HIT), 2.0 kg (TC-SEL), 2.5 kg (TC-L)

HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.
TC-SEL/TC-L: Connection of light fitting to mains by means of Wieland safety plug system GST18i3.
TC-L: Mount a maximum of 2 modules directly one behind the other.



Function panel with opal acrylic glass tile

1 module



without ballast

HIT/G8.5,
20/35 W

Article numbers
06 LLD 600

2 modules

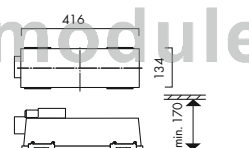


electronic ballast
incl.

TC-SEL/2G7,
2 x 11 W

06 LLD 2010

3 modules



electronic ballast
incl.

TC-L/2G11,
36 W

06 LLD 3010

+ Ballast	Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	20 W 35 W	27 VTE 1021 27 VTE 1121
+ Lamp	HIT/G8.5 20/35 W TC-SEL/2G7 11 W TC-L/2G11 36 W	Information about lamps ↗ 396 Information about lamps ↗ 398 Information about lamps ↗ 398		

Systems Lightstripe LLW

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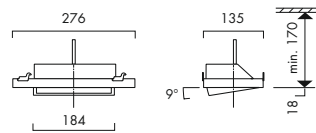


- Lighting technology HIT/G12
- Function panel (2 modules) with wall washer with spotlighting to directly below the ceiling
- asymmetrical light distribution
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic ballast, 35(42)W, 70(80)W, 100(109)W, 150(163)W; conventional ballast, 35(48)W, 70(88)W, 150(170)W
- Weight 1.2 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



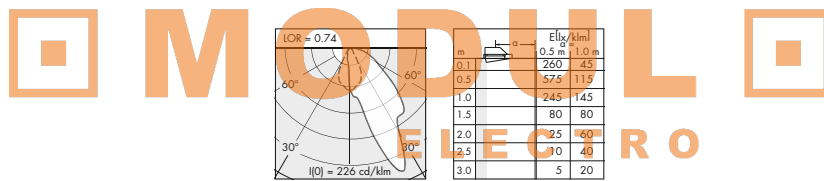
Function panel with wall washer and integral reflector



Diffusor incl. 35/70/100/150 W

Article numbers
06 LLW 600-...

HIT/G12



+ Ballast

Ballast Type	Voltage/Freq	Power	Article Number	
Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	35 W	27 VTE 1121	
		70 W	27 VTE 1321	
		150 W	27 VT 1621	
		100 W	27 VT 1521-5F00	
conventional ballast HIT/HIT-DE	230V, 50Hz	35 W	27 VTE 1161	
		70 W	27 VTE 1361	
		150 W	27 VTE 1661	
		240V, 50Hz	35 W	27 VT 1164
		70 W	27 VT 1364	
		150 W	27 VT 1664	

+ Lamp

HIT/G12 35/70/100/150 W

Information about lamps \rightrightarrows 396
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Accessory	Description	Article Number
Filter	Mood-Filter Sun	17 GL 3502
	Mood-Filter Gold	17 GL 3503

Order information

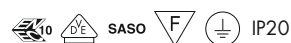
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LMM



- Lighting technology HIT/G8.5
- Function panel (1 module) with suspended luminaire (downlight)
- coloured semi-transparent lamp shade, pure white light cone
- Fitting of the function panel in the frame without the use of tools
- Connection data: electronic ballast, 35(42)W, 70(80)W
- Weight 1.7 kg

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.

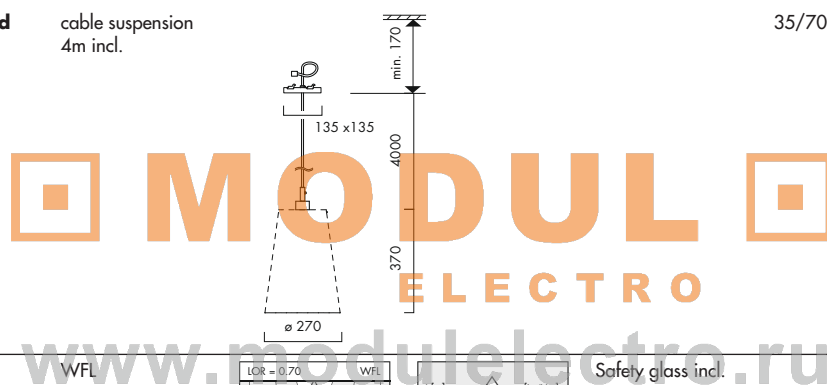


Function panel with suspended downlight

cable suspension
4m incl.

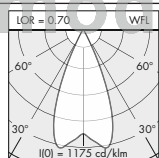
35/70 W

Article numbers
06 LMMG 65X-...



+ Reflector HIT/G8.5

WFL

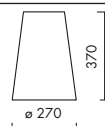


h[m]	E[lx/klm]
1.0	80 1175
2.0	160 295
3.0	240 130
4.0	320 75
ø[cm]	

Safety glass incl.

17 HIK 610

+ Lamp shade



blue	17 SC 0013
yellow	17 SC 0015
green	17 SC 0014
orange	17 SC 0017
red	17 SC 0016
white	17 SC 0018

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V,
50/60Hz

35 W
70 W

27 VT 1151
27 VT 1351

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

For luminaire colour code -401 (white) the cable colour is white, for colour code -402 (anthracite) and -410 (silver) the cable colour is black.

Systems Lightstripe LLS emergency light

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- Lighting technology QPAR16/GZ10/GU10
- Function panel (1 module) with emergency light
- Fitting of the function panel in the frame without the use of tools
- Connection data: 230V, max. 50W, 40°
- Weight 0.5 kg

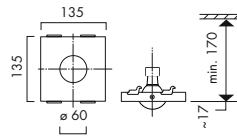
Connection of light fitting to mains by means of 3-pole terminal block.



Function panel with emergency light

max. 50 W

Article numbers
06 LLS 0101-...

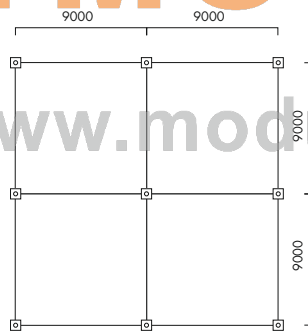


+ Lamp

QPAR16/GU10 50 W

Information about lamps ↗ 401

Planning information



MODULO
ELECTRO
www.modulelectro.ru

Light calculation on the basis of DIN EN 1838. 1 lux, minimum illuminance. Uniformity <1:40. Rated service time 1 h. Room height 3 m. Planning notes: 1 emergency light for approx. 81 sqm, at 50 W, max. grid size 9 x 9 m.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LLS emergency light LED

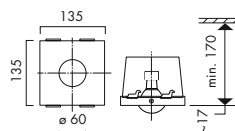


- Lighting technology LED
- Function panel (1 module) with emergency light, optional with or without a battery pack
- Fitting of the function panel in the frame without the use of tools
- Connection data: 230V, LED 12V, 9W, accumulator NiMH 12V
- Weight 0.95 kg

Module including power pack. Connection by client by means of Wieland safety plug system GST18i3. Input voltage: AC 100-264V / DC120-240V.



Function panel with emergency light LED

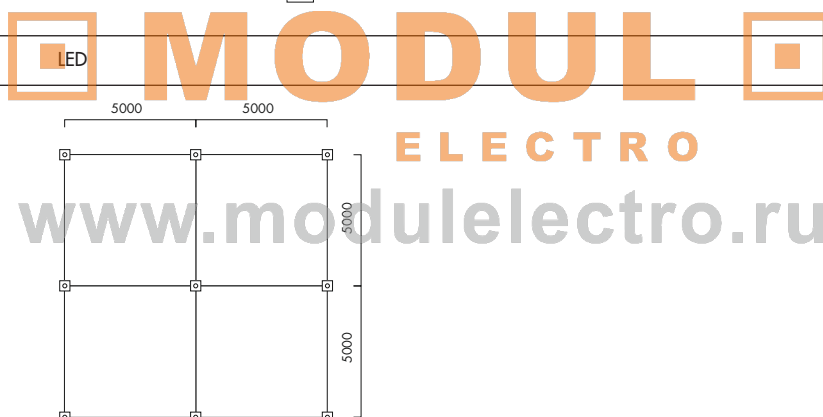


without battery pack 6 W
battery pack incl. 6 W

Article numbers
06 LLS 0108-...
06 LLS 0107-...

+ Lamp

Planning information



Light calculation on the basis of DIN EN 1838. 1 lux, minimum illuminance. Uniformity <1:40. Rated service time 1 h. Ceiling height 3 m. Planning notes: 1 emergency light for approx. 81 sqm, max. grid size 9 x 9 m.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Lightstripe LLS loudspeaker

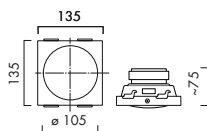
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- Function panel (1 module) with wide-band loudspeaker
- Fitting of the function panel in the frame without the use of tools
- Technical specifications loudspeaker: 70-18.000 Hz, 40W, 8 ohms, connection lead min. 2x0.75 mm²
- Weight 1.0 kg



Function panel with wide-band loudspeaker



for the use of < 6 loudspeakers

Article numbers
06 LLS 0103-...

for the use of > 6 loudspeakers
transformer for 100 V units incl.

06 LLS 0106-...

Planning information

1 loudspeaker per 20 m² with a standard room height of 3 m. Acoustic characteristics designed for "hard floors", loudspeaker for "soft floors" on request. The cash desk area should not be covered by the public address system. According to the Employee Protection Act a sound level of more than 85 dBA is not permitted.

ELECTRO

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

www.modulelectro.ru

Systems Lightstripe LAL

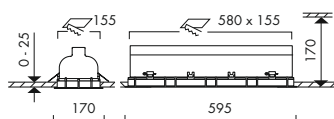


- Lighting technology TC-L/2G11
- Downlight (ambient light, length equivalent to quadruple module) with integral electronic ballast and frosted glass
- Fitting of the luminaire without the use of tools
- Connection data: electronic ballast, 220-240V, 55(62)W
- Weight 2.0 kg

Connection of light fitting to mains by means of Wieland safety plug system GST18i3.



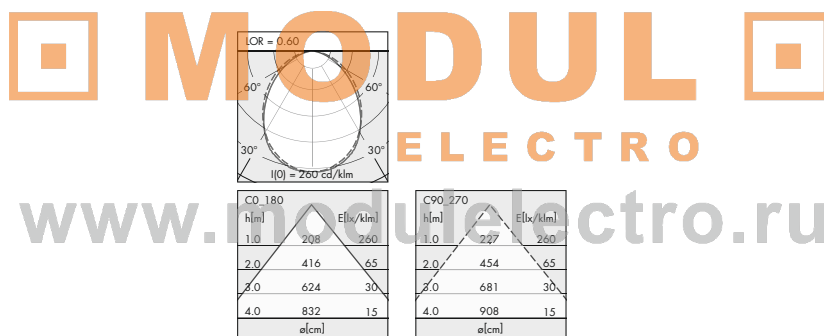
Recessed luminaire with integral reflector



electronic ballast incl. 55 W

Article numbers
06 LAL 2010...

TC-L/2G11




+ Lamp

TC-L/2G11 55 W

Information about lamps ↗ 398

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


MODULO
ELECTRO
www.modulelectro.ru



MODULE
ELECTRO
www.modulelectro.ru



Systems Cardo

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Cardo is a compact, inexpensive recessed luminaire series equipped with the option of one, two or three gimbal-mounted spotlight heads. The combination of different lighting technologies, reflectors and types of luminaires permits customised solutions for the most varied tasks and requirements in lighting planning. Accessories available are Mood Filter, honeycomb grids and various coloured filters that extend the range of applications of the luminaire system in a large variety of ways.

- Classic, gimbal-mounted design
- Modular system with various overall sizes
- Variable use possibility
- Formal networking with the systems Lightstripe, Brick and Cardo round
- Favourably priced alternative to the Lightstripe system

Systems

Compendium Cardo



Cardo CLG
↗ 310

Cardo CML
↗ 312

Lighting technology

QT-LP12/GY6.35 max. 90 W

QR-CBC51/GU5.3 max. 50 W

HIT/G12 35 W

HIT/G12 70 W

HIT/G12 100 W

HIT/G8.5 20 W

HIT/G8.5 35 W

HIT/G8.5 70 W

HIT-DE/RX7s 70 W

HIT-DE/RX7s 150 W

TC-DEL/G24q-2 2 x 18 W

TC-DEL/G24q-3 2 x 26 W

SSP

SP

MFL

FL

WFL

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Type of reflector

MODULO ELECTRO

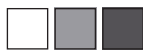
www.modulelectro.ru

Systems Cardo CLG



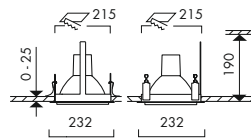
- Lighting technology HIT/G12, QT-LP12/GY6.35
- for recessed mounting
- Recessed spotlight with one, two or three gimbal-mounted spotlights
- tilting and turning
- Connection data: HIT/G12, electronic ballast, 35(42)W, 70(80)W, 100(109)W; conventional ballast, 35(48)W, 70(88)W; QT-LP12/GY6.35, electronic transformer, 12V, max. 90W
- Weight 1.3 kg (1 module), 2.5 kg (2 modules), 3.7 kg (3 modules)

HIT: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.
QT-LP: Connection of light fitting to mains by means of 2-pole terminal block.



Recessed spotlight

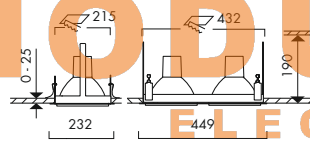
1 module



HIT
QT-LP12

Article numbers
04 CLG 6XX-...
04 CLG 0XX-...

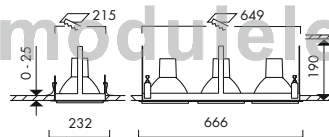
2 modules



QT-LP12 / QT-LP12
QT-LP12 / HIT
HIT / HIT

04 CLG 66X-...
04 CLG 00X-...
04 CLG 06X-...

3 modules

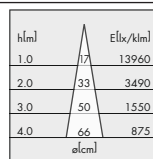
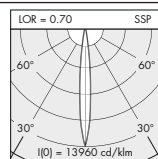


QT-LP12 / QT-LP12 / QT-LP12
QT-LP12 / QT-LP12 / HIT
HIT / QT-LP12 / HIT
QT-LP12 / HIT / QT-LP12
HIT / HIT / HIT

04 CLG 606-...
04 CLG 666-...
04 CLG 000-...
04 CLG 006-...
04 CLG 060-...
04 CLG 066-...

+ Reflector HIT/G12

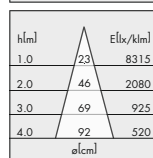
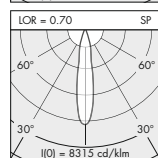
SSP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 810-...
17 HIC 810-SN-...
17 HIC 810-GD-...
17 HIC 810-RS-...
17 HIC 810-BD-...

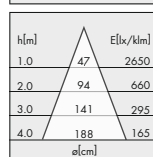
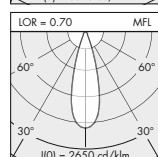
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 610-...
17 HIC 610-SN-...
17 HIC 610-GD-...
17 HIC 610-RS-...
17 HIC 610-BD-...

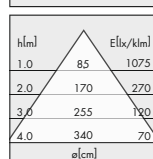
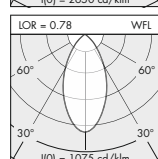
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 410-...
17 HIC 410-SN-...
17 HIC 410-GD-...
17 HIC 410-RS-...
17 HIC 410-BD-...

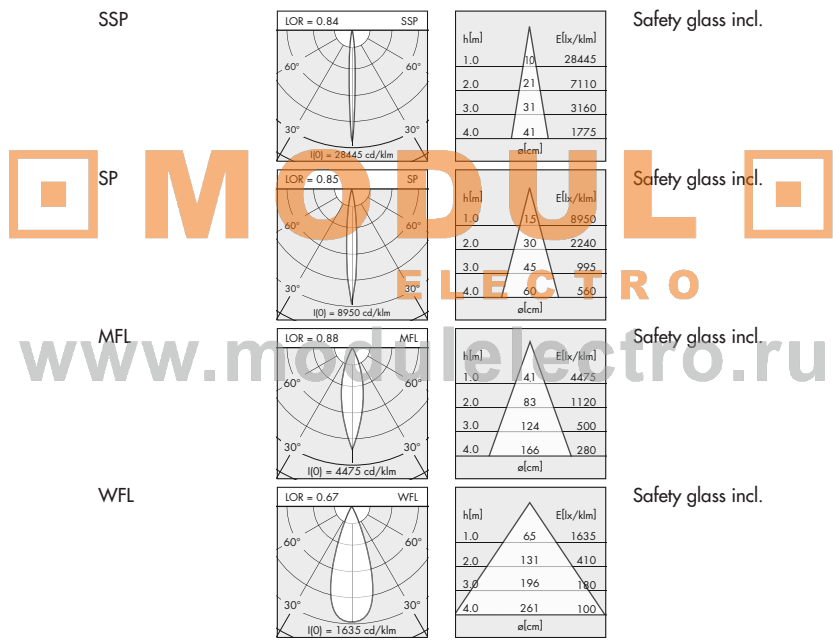
WFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIC 210-...
17 HIC 210-SN-...
17 HIC 210-GD-...
17 HIC 210-RS-...
17 HIC 210-BD-...

+ Reflector
QT-LP12/GY6.35



SSP

SP

MFL

WFL

Safety glass incl.

Safety glass incl.

Safety glass incl.

Safety glass incl.

Article numbers
17 HNC 810-...

17 HNC 610-...

17 HNC 410-...

17 HNC 210-...

+ Ballast

Electronic low voltage transformer
QT-LP12/QR-CBC
Electronic ballast
HIT/HIT-DE

conventional ballast
HIT/HIT-DE

230-240V/12V, 50/60Hz
20-105 VA

220-240V, 50/60Hz
35 W
70 W
100 W

230V, 50Hz
35 W
70 W
240V, 50Hz
35 W
70 W

15 NE 3018

27 VTE 1121
27 VTE 1321
27 VT 1521-5F00

27 VTE 1161
27 VTE 1361
27 VT 1164
27 VT 1364

+ Lamp

HIT/G12 35/70/100 W
QT-LP12 IRC/GY6.35 35/50/65 W
QT-LP12/GY6.35 20/35/50/75/90 W

Information about lamps ↗ 396
Information about lamps ↗ 400
Information about lamps ↗ 400
As a matter of principle, Ansoerg recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Optional accessories

Filter

Coloured glass filter
blue
yellow
green
orange
red

UV filter

17 FF 0733
17 FF 0731
17 FF 0732
17 FF 0734
17 FF 0730
17 GL 1002
17 ZW 1060-...

Honeycomb grid

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



- Lighting technology HIT/G8.5
- for recessed mounting
- Recessed spotlight with one, two or three gimbal-mounted spotlights
- tilting and turning
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 0.9 kg (1 module), 1.7 kg (2 modules), 2.6 kg (3 modules)

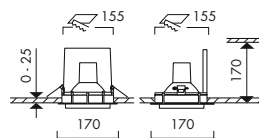
Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



IP20

Recessed spotlight

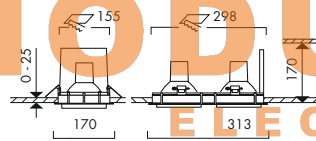
1 module



HIT

Article numbers
04 CML 6XX...

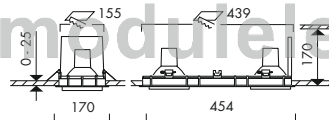
2 modules



HIT / HIT

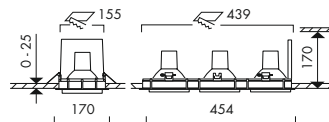
04 CML 66X...

3 modules



HIT / - / - / HIT

04 CML 6X6...

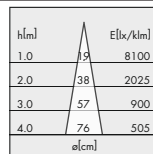
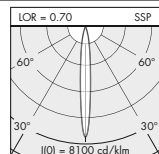


HIT / HIT / HIT

04 CML 666...

+ Reflector HIT/G8.5

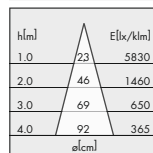
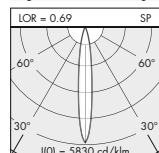
SSP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 810-...
17 HIB 810-SN-...
17 HIB 810-GD-...
17 HIB 810-RS-...
17 HIB 810-BD-...

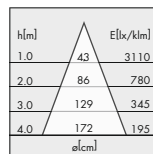
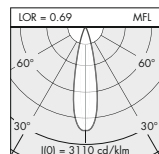
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 610-...
17 HIB 610-SN-...
17 HIB 610-GD-...
17 HIB 610-RS-...
17 HIB 610-BD-...

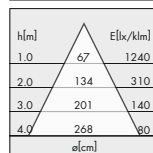
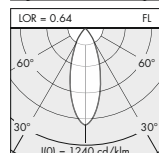
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 410-...
17 HIB 410-SN-...
17 HIB 410-GD-...
17 HIB 410-RS-...
17 HIB 410-BD-...

FL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIB 210-...
17 HIB 210-SN-...
17 HIB 210-GD-...
17 HIB 210-RS-...
17 HIB 210-BD-...

+ Ballast	Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	20 W 35 W 70 W	Article numbers 27 VTE 1021 27 VTE 1121 27 VTE 1321
+ Lamp	HIT/G8.5 20/35/70 W		Information about lamps ↗ 396 As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.	
Optional accessories	Glare reduction cylindrical Filter	Coloured glass filter blue yellow green orange red UV filter		17 AS 2000 17 GL 1021 17 GL 1023 17 GL 1022 17 GL 1024 17 GL 1020 17 GL 1010 17 WR 0003
	Honeycomb grid The use of the colour filters blue, green is only permitted for the operation of the luminaire in the 20W and 35W versions.			

Order information

Article numbers ending on -... are to be supplemented by the colour code.
 Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

The centre position of the alternatives 04 CML 6X6 can be equipped with any single module from the Lightstripe range. Please perform this order number, in addition.

Systems Cardo CLC



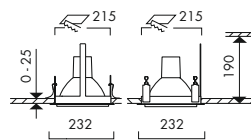
- Lighting technology HIT/G8.5
- for recessed mounting
- Recessed spotlight with one, two or three gimbal-mounted spotlights
- tilting and turning
- Connection data: electronic ballast, 20(24)W, 35(42)W, 70(80)W
- Weight 0.9 kg (1 module), 1.7 kg (2 modules), 2.6 kg (3 modules)

Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.



+ Recessed spotlight

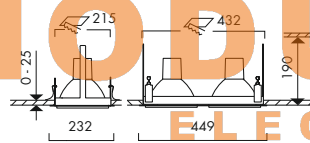
1 module



HIT

Article numbers
04 CLC 6XX...

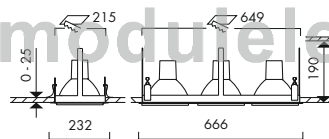
2 modules



HIT / HIT

04 CLC 66X...

3 modules

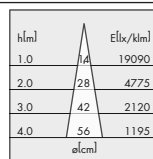
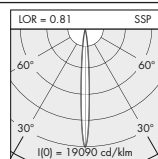


HIT / HIT / HIT

04 CLC 666...

+ Reflector HIT/G8.5

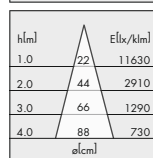
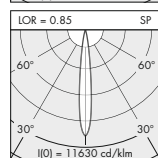
SSP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 810-...
17 HIU 810-SN-...
17 HIU 810-GD-...
17 HIU 810-RS-...
17 HIU 810-BD-...

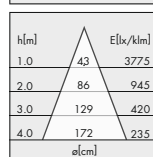
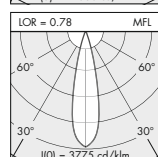
SP



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 610-...
17 HIU 610-SN-...
17 HIU 610-GD-...
17 HIU 610-RS-...
17 HIU 610-BD-...

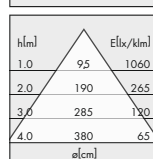
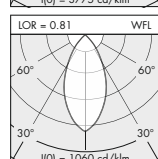
MFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 410-...
17 HIU 410-SN-...
17 HIU 410-GD-...
17 HIU 410-RS-...
17 HIU 410-BD-...

WFL



Safety glass incl.
Mood-Filter Sun incl.
Mood-Filter Gold incl.
Mood-Filter Rose incl.
Mood-Filter Bordeaux incl.

17 HIU 210-...
17 HIU 210-SN-...
17 HIU 210-GD-...
17 HIU 210-RS-...
17 HIU 210-BD-...

+ Ballast

Electronic ballast
HIT/HIT-DE

220-240V
50/60Hz

20 W
35 W
70 W

27 VTE 1021
27 VTE 1121
27 VTE 1321

+ Lamp

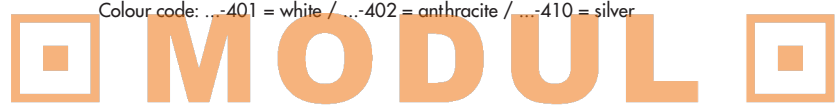
HIT/G8.5 20/35/70 W

Information about lamps ↗ 396

As a matter of principle, Ansong recommends the use of mood filters in combination with HIT lamps having the colour temperature 930.

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


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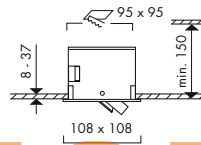
- Lighting technology QR-CBC51/GU5.3
- for recessed mounting
- Recessed spotlight with one, two or three gimbal-mounted spotlights
- tilting and turning
- Connection data: electronic transformer, 12V, max. 50W
- Weight 0.4 kg (1 module), 0.8 kg (2 modules), 1.2 kg (3 modules)

Connection of light fitting to ballast by means of 2-pole terminal block.



Recessed spotlight

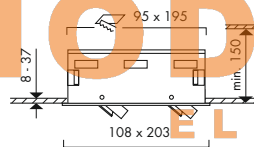
1 module



QR-CBC

Article numbers
04 CDC 4501F-...

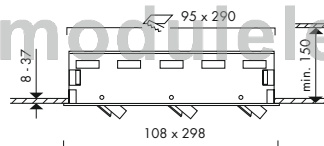
2 modules



QR-CBC / QR-CBC

04 CDC 4502F-...

3 modules



QR-CBC / QR-CBC / QR-CBC

04 CDC 4503F-...

+ Ballast	Electronic low voltage transformer QT-LP12/QR-CBC	230-240V/12V, 50/60Hz	20-105 VA	15 NE 3018
+ Lamp	QR-CBC51IRC/GU5.3 20/35/50 W	Information about lamps ↗ 400		

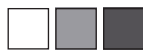
Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-001 = white RAL9010 / ...-010 = silver RAL9006



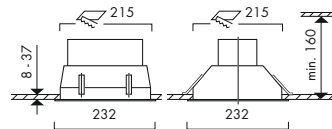
- Lighting technology HIT-DE/RX7s, TC-DEL/G24q
- for recessed mounting
- Downlight (TC-DEL: with integral electronic ballast) with frosted glass
- symmetrical light distribution
- Connection data: HIT-DE/RX7s, electronic ballast, 70(80)W, 150(163)W; conventional ballast, 230V, 70(88)W, 150(170)W; TC-DEL/G24q, 2x18(40)W, 2x26(60)W
- Weight HIT-DE: 1.9 kg, TC-DEL 3.2 kg

HIT-DE: Connection of light fitting to ballast by means of Wieland safety plug system ST18/3 red.
TC-DEL: Connection of light fitting to mains by means of 2-pole terminal block.



IP20

Recessed luminaire with integral reflector



without ballast

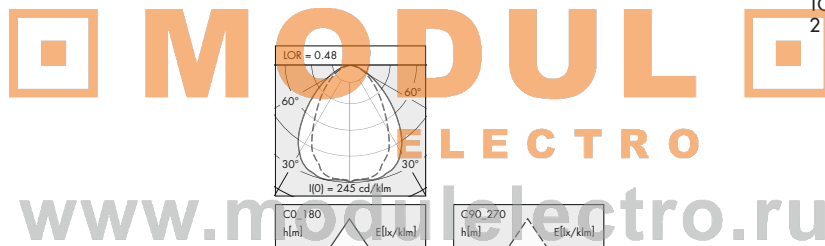
electronic ballast incl.

HIT-DE/RX7s, 70 W
HIT-DE/RX7s, 150 W
TC-DEL/G24q-2, 2 x 18 W
TC-DEL/G24q-3, 2 x 26 W

Article numbers

03 CHM 2910-...
03 CHM 3910-...
03 CHM 0930-...
03 CHM 1930-...

HIT-DE/RX7s

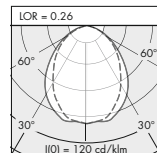


CO_180 h[m]	E[lx/klm]	E[lx/klm]
1.0	201	245
2.0	401	60
3.0	601	15
4.0	803	15
ø[cm]		

C90_270 h[m]	E[lx/klm]	E[lx/klm]
1.0	142	245
2.0	285	60
3.0	427	15
4.0	569	15
ø[cm]		

TC-DEL/G24q-2

TC-DEL/G24q-3



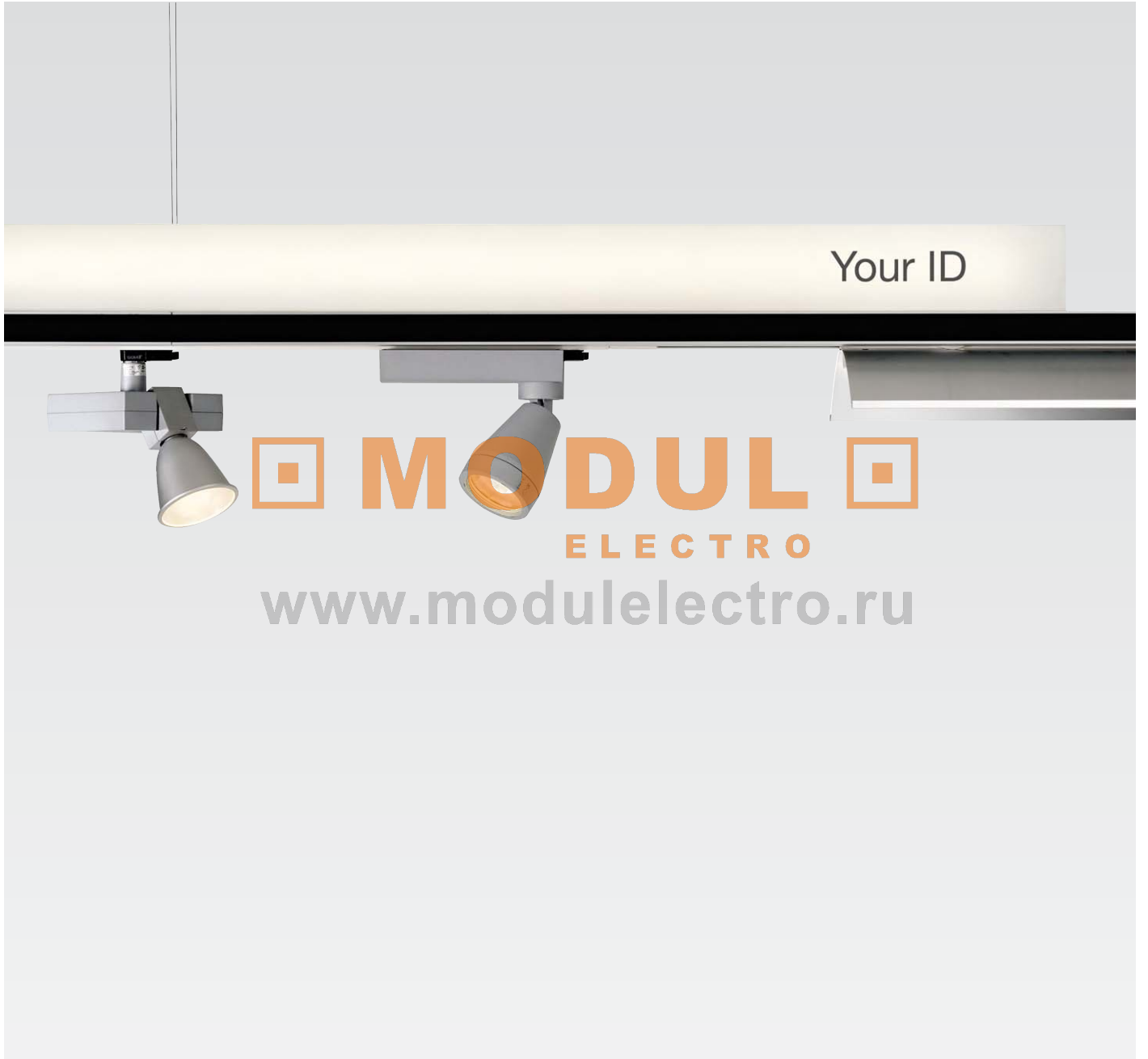
CO_180 h[m]	E[lx/klm]	E[lx/klm]
1.0	216	120
2.0	431	30
3.0	647	15
4.0	863	10
ø[cm]		

C90_270 h[m]	E[lx/klm]	E[lx/klm]
1.0	177	120
2.0	354	30
3.0	531	15
4.0	708	10
ø[cm]		

+ Ballast	Electronic ballast HIT/HIT-DE	220-240V, 50/60Hz	70 W 150 W	27 VTE 1321 27 VT 1621
	conventional ballast HIT/HIT-DE	230V, 50Hz	70 W 150 W	27 VTE 1361 27 VT 1364
		240V, 50Hz	70 W 150 W	27 VT 1664
+ Lamp	HIT-DE/RX7s 70 W			Information about lamps ↗ 396
	HIT-DE/RX7s-24 150 W			Information about lamps ↗ 397
	TC-DEL/G24q-2 18 W			Information about lamps ↗ 398
	TC-DEL/G24q-3 26 W			Information about lamps ↗ 398

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver





AdLight is an innovative approach to solutions for large-area concepts: a linear lighting and guidance system with interfaces for luminaires, orientation, decoration and merchandising. The system is based on these basic elements: an aluminium section in various lengths as the basic carrier for all functions in suspended or ceiling mounting, direct and indirect lighting modules as well as corporate identity and merchandising elements which makes individualisation of the system possible. In total, AdLight thus provides an ideal prerequisite for performing the most varied lighting tasks in the sense of the client's corporate design and using it with a view to presentation at the point of sale.

- Straight-line, pure design
- Strip lighting system with interfaces for luminaires and merchandizing elements for individualized branding
- Combination of power track, direct/indirect lighting, ambient/accent lighting, decorative lighting, control system and merchandizing

Systems Compendium Adlight

basic elements



profile

lighting modules direct lighting



fluorescent light batten

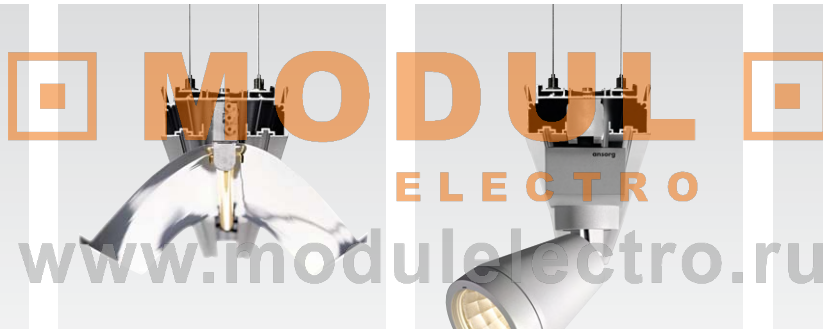
lighting modules indirect lighting



uplight



profile with endcap

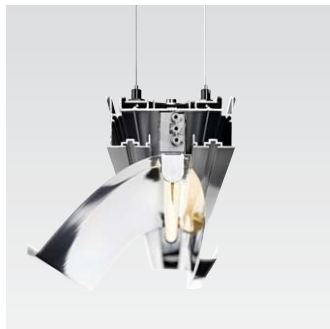


fluorescent light batten with reflector „washer“

track with option for use with spotlights in the Ansorg range



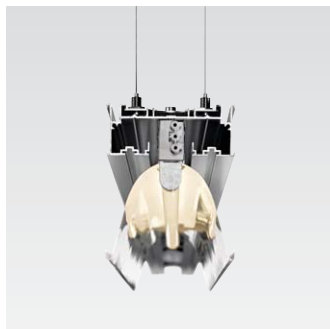
uplight with one acrylic plate



fluorescent light batten with reflector „wallwasher“



uplight with two acrylic plates



fluorescent light batten with reflector „downlight“

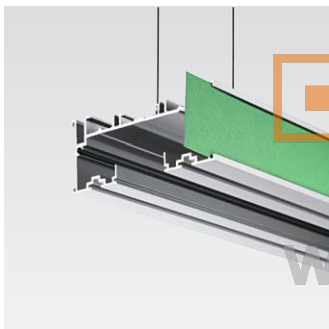
Corporate Design-/Merchandising-Elements



coloured stripes

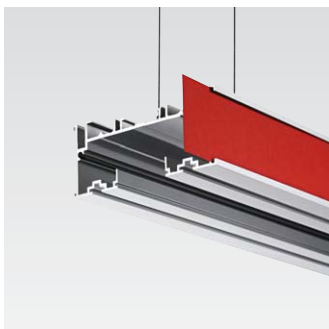


bracket for posters

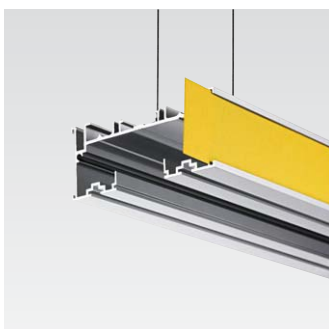


coloured stripes


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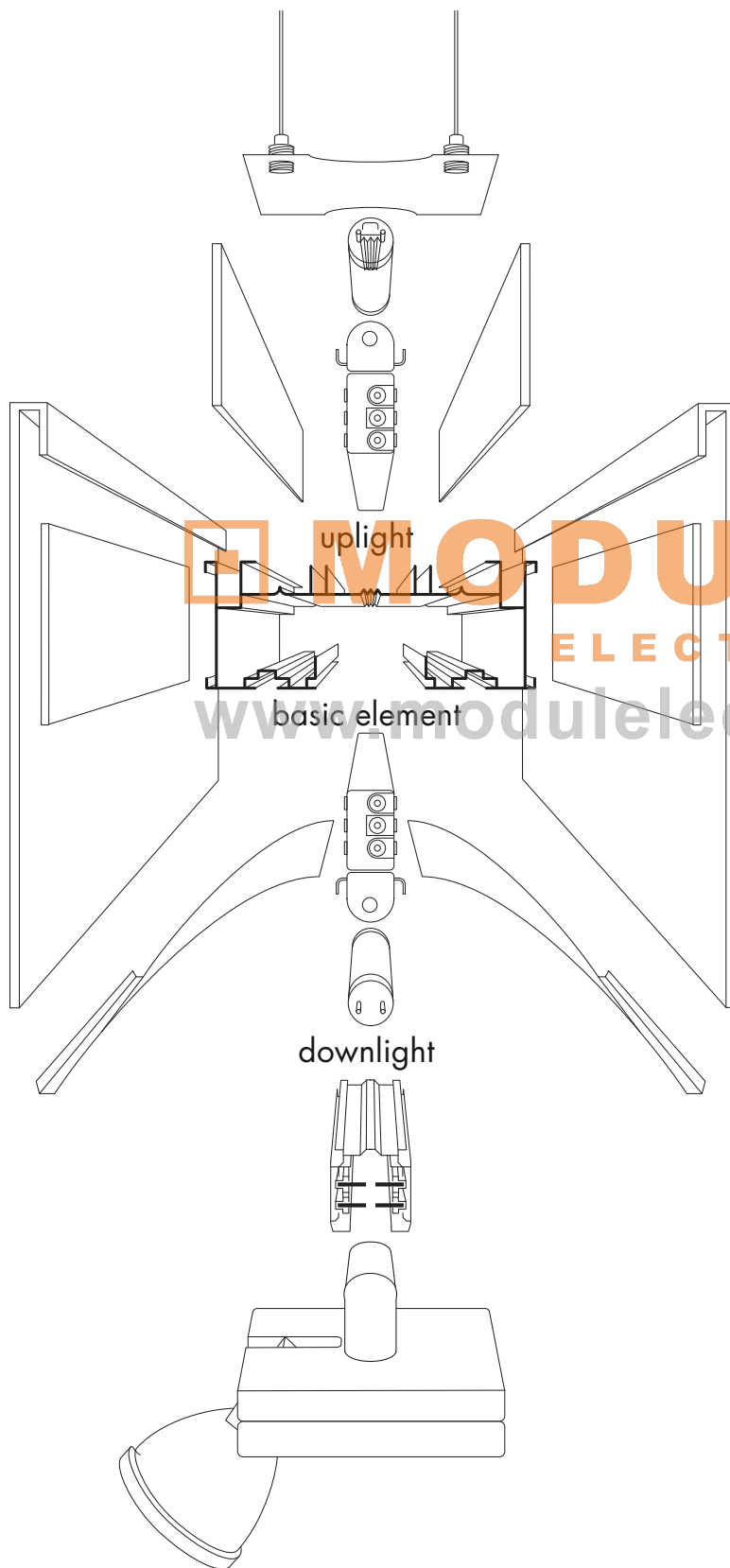


coloured stripes



coloured stripes


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mounting

lighting row T16

Corporate Design-/
Merchandising-Elements

reflectors

lighting row T16

track

spotlight for track

Systems Compendium Adlight



Adlight basic
elements
↗ 326



Adlight lighting
elements
↗ 328

Mounting

for ceiling mounting
for suspended mounting

- _____
- _____

Lighting technology

T16/G5 35 W
T16/G5 49 W

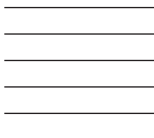
- _____
- _____

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Adlight Corporate identity and merchandising elements

➤ 331



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Systems

Adlight basic elements



- Linear lighting system for large-area concepts
- for surface or suspended mounting
- Profile system in various lengths for housing luminaires/merchandising elements

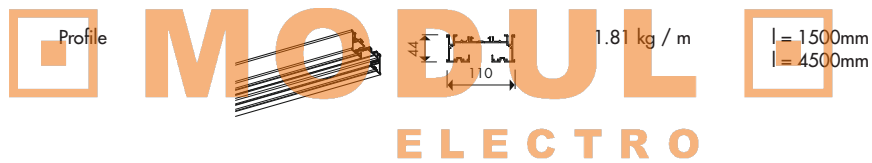
Basics

End cap for profile



0.02 kg

Article numbers
06 ADL 0004



Elements for ceiling mounting

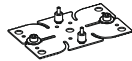
Collecting element for end suspension steel cable 5m incl.



0.09 kg

06 ADL 0002

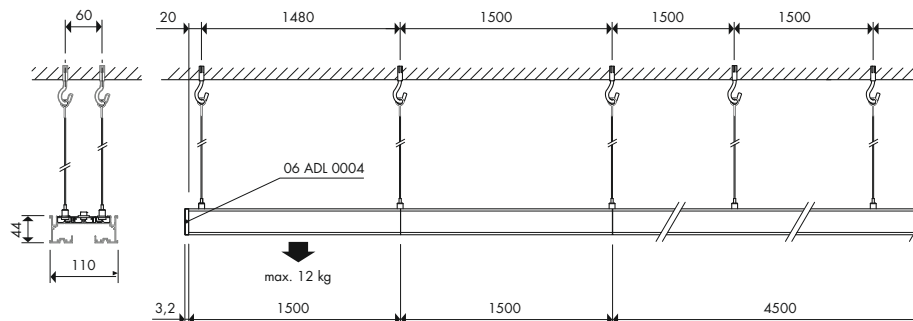
Collecting element for edge suspension steel cable 5m incl.



0.16 kg

06 ADL 0001

Planning information for suspended mounting



Elements for suspended mounting

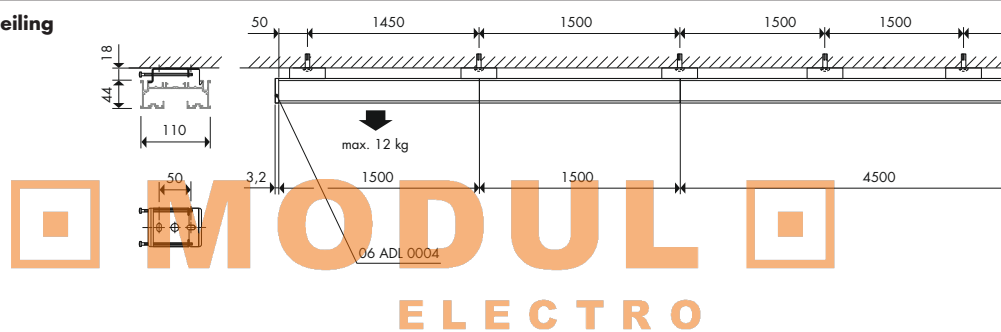
Ceiling mounting



0.09 kg

06 ADL 0003

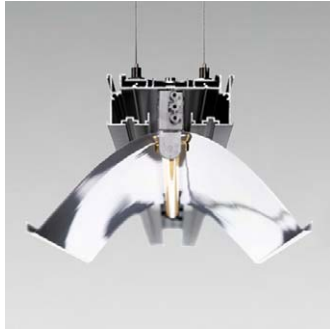
Planning information for ceiling mounting



Order information

The luminaire is only available in the 'silver' version.
www.modulelectro.ru

Systems Adlight lighting elements



- Lighting technology T16/G5
- Lighting row with integral conventional ballast as uplight or downlight
- Uplight optionally with opal glass cover as a protective shade
- Downlight optionally with various reflectors
- Connection data: conventional ballast, 230V, 35(41)W (Uplight), 49(54)W (Downlight)

Connection of light fitting to mains by means of Wieland safety plug system GST18i3.



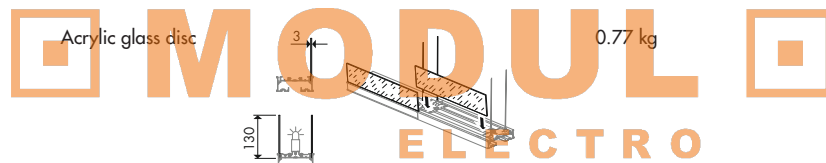
Uplight

Spacer for lighting row



2 items per unit
0.02 kg

Article numbers
06 ADL 0008



Acrylic glass disc

0.77 kg

06 ADL 1010

Lighting row
T16/G5
35 W



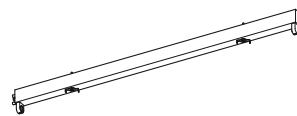
1.3 kg

l = 1500mm

06 ADL 1000

Downlight

Lighting row
T16/G5
49 W



1.3 kg

l = 1500mm

06 ADL 1001

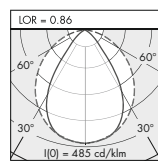
Reflector Downlight



0.39 kg

l = 1500mm

06 ADL 1100



C0_180		
h[m]	l[m]	E[lx]
1.0	137	485
2.0	274	120
3.0	411	55
4.0	548	30
		ø[cm]

C90_270		
h[m]	l[m]	E[lx]
1.0	254	485
2.0	508	120
3.0	762	55
4.0	1016	30
		ø[cm]

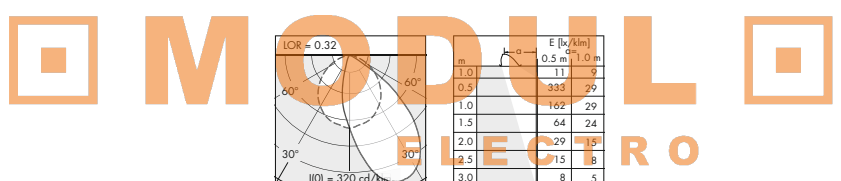
Reflector Wall-washer



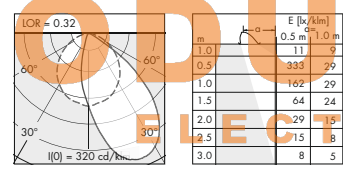
0.48 kg

l = 1500mm

Article numbers
06 ADL 1101



Reflector Washer

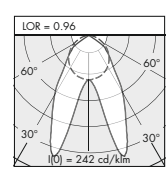


0.53 kg

l = 1500mm

06 ADL 1102

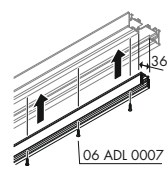
www.modulelectro.ru



+ Lamp T16/G5 35/49 W Information about lamps ↗ 398

Tracks Three-circuit surface mounted track
 silver
 l = 1000mm 16 NK 70391004
 l = 2000mm 16 NK 70392004
 l = 3000mm 16 NK 70393004
 l = 4000mm 16 NK 70395004

Drilling screws



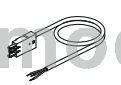
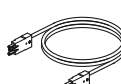


50 items per unit

06 ADL 0007

Systems

Adlight lighting elements

Wiring	Description	Image	Color	Length	Article numbers
	Power cable for feeding with jack, Wieland GST		white black	l = 5000mm l = 5000mm	17 LS 0500 17 LS 0105
	Connecting cable, single phase with jack, Wieland GST		white	l = 500mm	17 AK 0100
	Connecting cable, single phase with plug, Wieland GST		white	l = 500mm	17 AK 0101
	Connecting cable lighting rows with jack and plug, Wieland GST		white	l = 2000mm	17 AK 0016

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www.modulelectro.ru

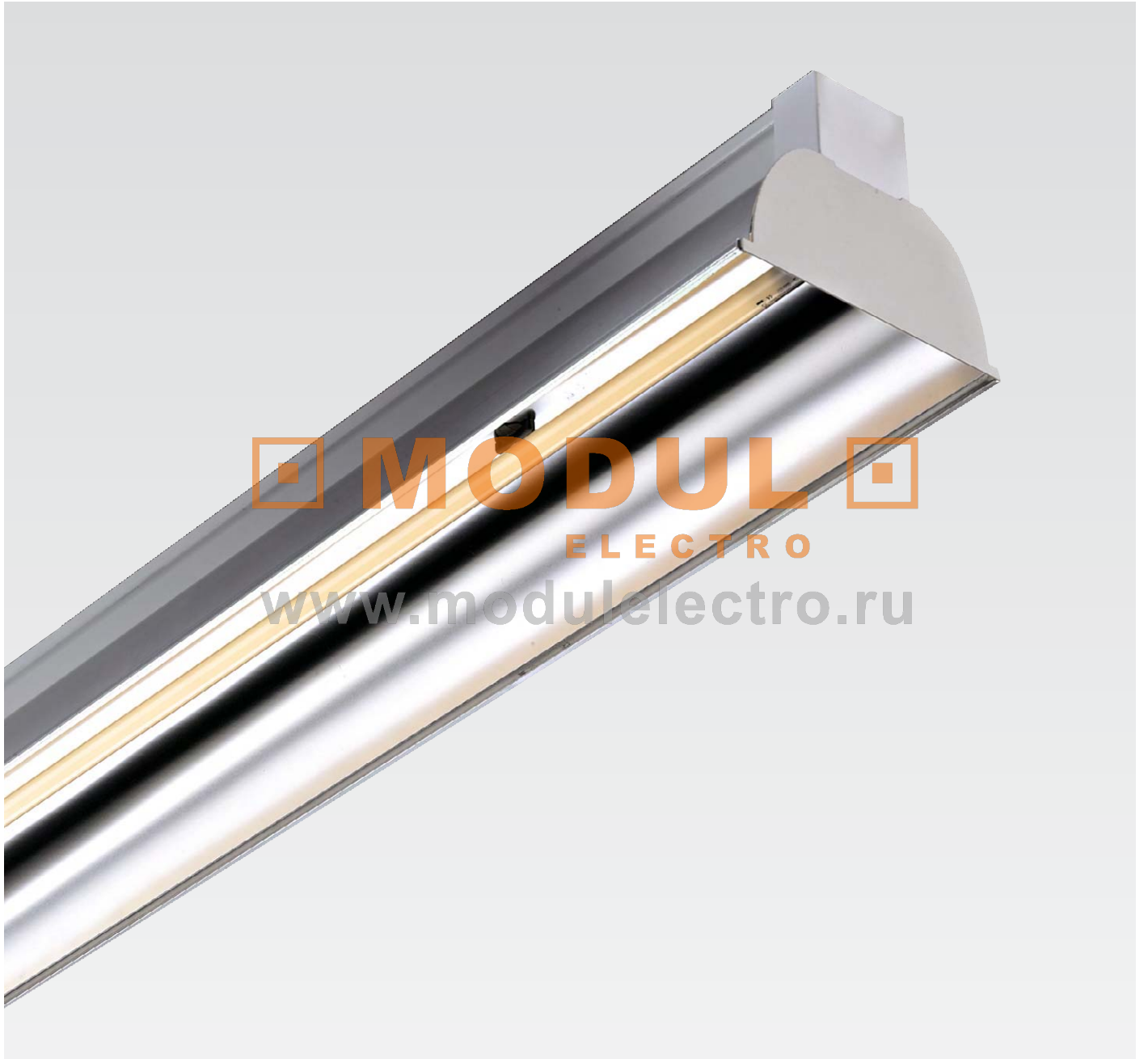
Systems

Adlight Corporate identity and merchandising elements



- Supplementary optional accessories
- Colour strips for profiles as corporate identity element
- Fixing accessories for displays/posters as merchandising elements

Display bracket	for poster		0.18 kg 0.74 kg 20 items per unit 0.02 kg	l = 500mm l = 2000mm l = 50mm	Article numbers 06 ADL 0030 06 ADL 0020 06 ADL 0010
Display bracket for top lateral hanging	for top lateral hanging from the section, max. carrying capacity 0,2 kg		0.04 kg	l = 460mm	06 ADL 0006
Display hanging	Hook for pushing into the section from the bottom		20 items per unit 0.01 kg / St.	M4 x 40mm	06 ADL 0005
Display colour strips	for insertion into the section		10 items per unit	l = 1200mm blue l = 1200mm yellow l = 1200mm grey l = 1200mm green l = 1200mm orange l = 1200mm red l = 1200mm black l = 1200mm trans- parent l = 1200mm white	06 ADL 0045 06 ADL 0046 06 ADL 0043 06 ADL 0048 06 ADL 0044 06 ADL 0047 06 ADL 0042 06 ADL 0049 06 ADL 0041



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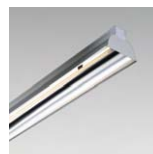


Cordline is a strip line lighting fixture system for fluorescent lamps for ambient lighting in the retail trade. The system can be fixed directly to the ceiling or suspended from round steel chains. The individual profiles are available in three different lengths and can be connected to each other quickly and without the use of tools. The system range comprises rectangular aluminium reflectors as well as profiles with power tracks for the use of spotlights with adapters.

- Basic design
- Strip lighting system as a quick-mounting system
- Connection of the profiles without the use of tools
- Power track profile permits the use of all of the spotlights in the Ansorg range

Systems

Compendium Cordline



Cordline
↗ 335

Mounting



for ceiling mounting
for suspended mounting

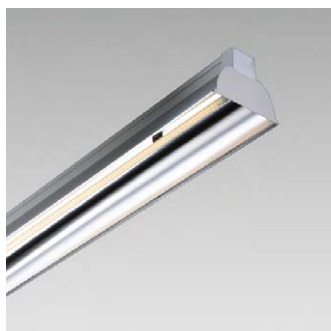
-
- -

Lighting technology

T16/G5 49 W

-
-

 **MODULO** 
ELECTRO
www.modulelectro.ru



- Lighting technology T16/G5
- Lighting row system for fluorescent lamps for ambient lighting
- for surface or suspended mounting
- Quick mounting of the individual profiles without the use of tools
- Design of the profiles in white
- Connection data: electronic ballast, 230-240V, 49(54)W

Pre-wired carrier system, plug-in connection to three-phase network possible (phase selection).



IP20

Basics

Cover

0.8 kg

l = 1480mm

Article numbers
06 TSZ 0100

Starting profile

two end caps incl.

1.57 kg / m

l = 1480mm,
w = 60mm
l = 2960mm,
w = 60mm
l = 4440mm,
w = 60mm

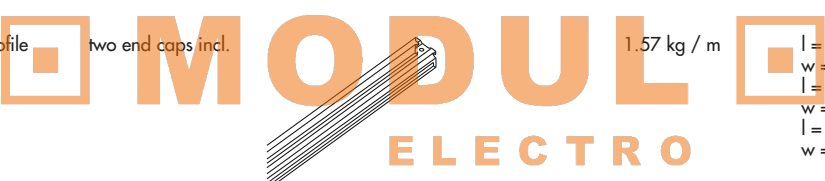
06 TSP 1151
06 TSP 1251
06 TSP 1351

Profile extension

1.57 kg / m

l = 1480mm,
w = 60mm
l = 2960mm,
w = 60mm
l = 4440mm,
w = 60mm

06 TSP 1150
06 TSP 1250
06 TSP 1350



www.modul-electro.ru

+ Lighting elements

End cap

for reflector

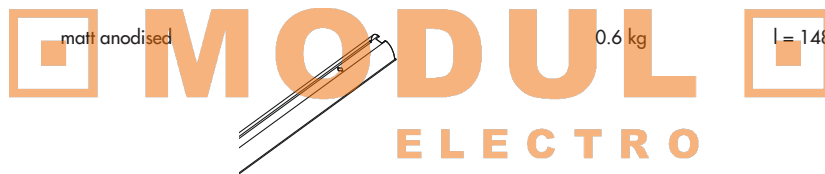


2 items per unit

Article numbers
06 TSZ 1103

Reflector

matt anodised

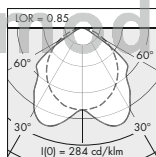


0.6 kg

l = 1480mm

06 TSZ 1100

www.modulelectro.ru



C0_180		
h[m]	E[lx/klm]	
1.0	264	285
2.0	528	70
3.0	792	30
4.0	1056	20
ø[cm]		

C90_270		
h[m]	E[lx/klm]	
1.0	248	285
2.0	496	70
3.0	744	30
4.0	992	20
ø[cm]		

Cover clip for joint
of the reflector

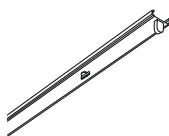


2 items per unit

06 TSZ 1101

Gear tray

for T16 lamps

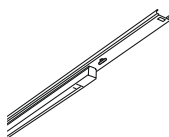


electronic ballast
incl.
2.3 kg

l = 1480mm

06 TSL 1320



for the use of spot-
lights with 3-circuit
adapter
with track

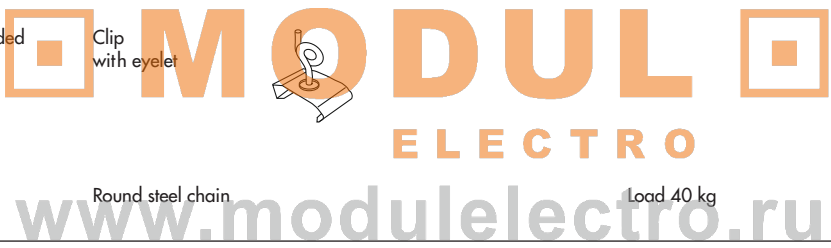


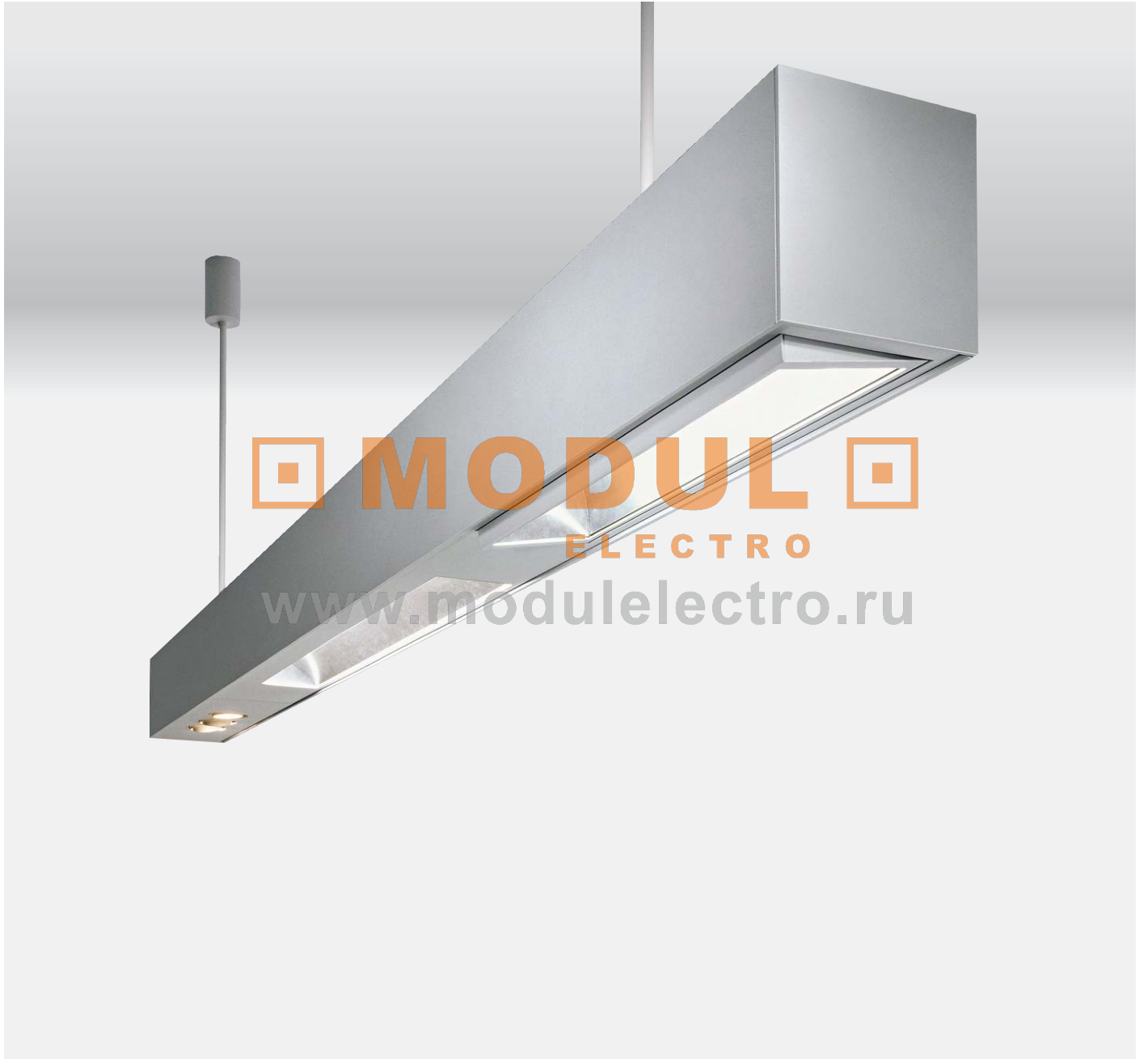
0.52 kg

l = 1480mm

06 TSL 5000

+ Fixing piece	for ceiling mounting	Clip		Article numbers 06 TSZ 0001
	for suspended mounting	Clip with eyelet		06 TSZ 0002
		Round steel chain	Load 40 kg	06 TSZ 0004
+ Lamp	T16/G5 49 W	Information about lamps ↗ 398		
Order information	The luminaire is only available in the 'white' version.			






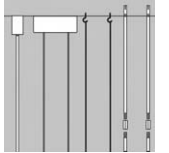
MODUL
ELECTRO
www.modulelectro.ru



Vario is a variable lighting duct system, for use in architecture. The modular panels can be recessed, without edging, in the ceiling, precisely on the ceiling or suspended from the ceiling, on a linear basis or extended by corner solutions. Directional spotlights, downlights, wallwashers or spotlights can be used as luminaires recessed without edging. Due to its adaptability the modular system is recommended for widely varying room and lighting situations.

- Architectural design
- Linear profile system designed as recessed, surface-mounted or suspended version
- Reinforces the impression of space and emphasizes the axes
- Abundant selection of functional elements for every lighting task

Systems Compendium Vario

			
		Basis elements Vario ↗ 343	Suspensions Vario ↗ 345
Mounting	for recessed mounting for surface and suspended mounting	• •	
Lighting technology	QT-LP12/GY6.35 max. 90 W HIT/G12 35 W HIT/G12 70 W HIT/G8.5 35 W HIT/G8.5 70 W T16/G5 39 W		
Type of reflector	SSP SP MFL FL		

MODULO
ELECTRO

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Vario CDT
↗ 355

Lighting technology

T16/G5 39 W

•

 **MODULO** 
ELECTRO
www.modulelectro.ru

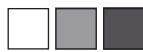
Systems

Basis elements Vario

1
2
3
4
5
6
7
8



- Lighting duct system for recessed mounting, surface mounting or suspended mounting
- Recessed version without edging and flush with ceiling
- Duct profiles in two different widths (115mm and 170mm)
- Function panels with different luminaire types (spotlights, downlights, washers)
- Fitting of the function panel into the duct without the use of tools



Channel section

for surface and suspended mounting

Width = 115mm

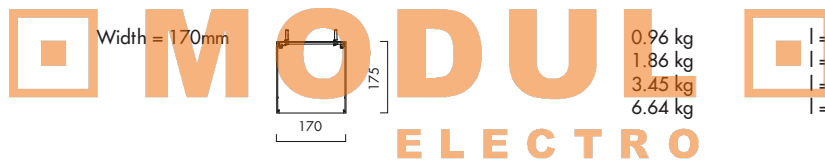


0.86 kg
1.26 kg
2.25 kg
4.18 kg

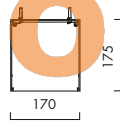
l = 375mm
l = 625mm
l = 1250mm
l = 2500mm

Article numbers

06 SKS 0033-...
06 SKS 0035-...
06 SKS 0037-...
06 SKS 0038-...



Width = 170mm



0.96 kg
1.86 kg
3.45 kg
6.64 kg

l = 375mm
l = 625mm
l = 1250mm
l = 2500mm

06 MKM 0033-...
06 MKM 0035-...
06 MKM 0037-...
06 MKM 0038-...

for recessed mounting

Width = 115mm

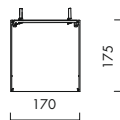


2.25 kg
4.18 kg

l = 1250mm
l = 2500mm

06 SKS 0017-...
06 SKS 0018-...

Width = 170mm



3.45 kg
6.64 kg

l = 1250mm
l = 2500mm

06 MKM 0017-...
06 MKM 0018-...

Accessories

Cover plate

Width = 115mm



0.33 kg

06 SKS 0063-...

Width = 170mm



0.33 kg

06 MKM 0063-...

Systems

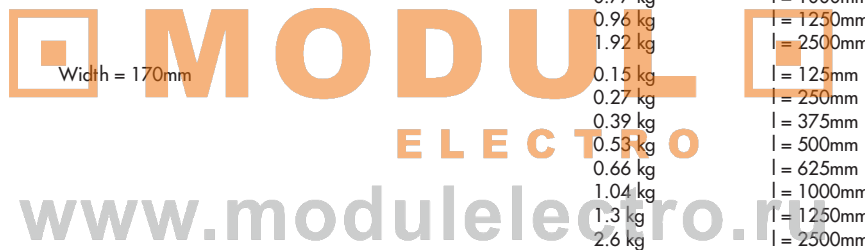
Basis elements Vario

Blank panel Width = 115mm

0.11 kg | = 125mm
 0.2 kg | = 250mm
 0.29 kg | = 375mm
 0.39 kg | = 500mm
 0.49 kg | = 625mm
 0.77 kg | = 1000mm
 0.96 kg | = 1250mm
 1.92 kg | = 2500mm
 0.15 kg | = 125mm
 0.27 kg | = 250mm
 0.39 kg | = 375mm
 0.53 kg | = 500mm
 0.66 kg | = 625mm
 1.04 kg | = 1000mm
 1.3 kg | = 1250mm
 2.6 kg | = 2500mm

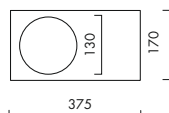
Article numbers

06 SKS 0071-...
 06 SKS 0072-...
 06 SKS 0073-...
 06 SKS 0074-...
 06 SKS 0075-...
 06 SKS 0076-...
 06 SKS 0077-...
 06 SKS 0078-...
 06 MKM 0071-...
 06 MKM 0072-...
 06 MKM 0073-...
 06 MKM 0074-...
 06 MKM 0075-...
 06 MKM 0076-...
 06 MKM 0077-...
 06 MKM 0078-...
 06 MKM 0080-...



Blank panel with cutout 130mm

Width = 170mm



0.34 kg | = 375mm

End panel

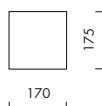
Width = 115mm



0.15 kg

06 SKS 0060-...

Width = 170mm



0.39 kg

06 MKM 0060-...

T-connector

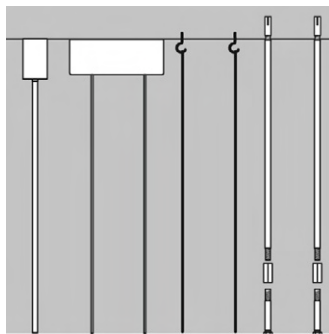
Width = 115mm
 Width = 170mm

0.33 kg
 0.33 kg

06 SKS 0062-...
 06 MKM 0062-...

Systems Suspensions Vario

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8



- Different variants of the suspension possible
- Suspension by suspension tube of various lengths (with ceiling canopy)
- Suspension by wire cable (with and without ceiling canopy)



Rod suspension

Canopy incl.

Basic version

0.74 kg

l = 1000mm

Article numbers

06 MKM 0151-...

1.16 kg

l = 2000mm

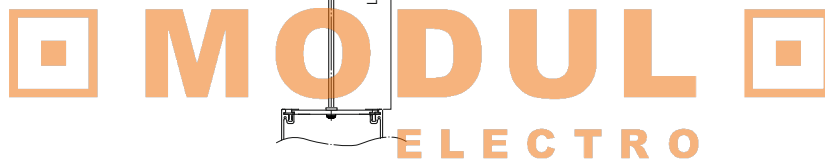
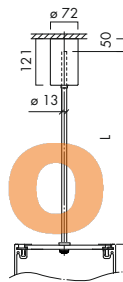
06 MKM 0152-...

Extension

0.89 kg

l = 2000mm

06 MKM 0150-...



Wire suspension

canopy incl. with cable outlet

Width = 115mm
Width = 170mm

0.3 kg

l = 2500mm

06 SKS 0210-...

0.39 kg

l = 2500mm

06 MKM 0210-...

canopy incl. without cable outlet

Width = 115mm
Width = 170mm

0.28 kg

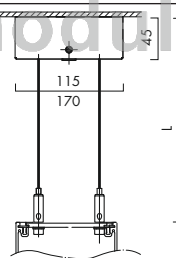
l = 2500mm

06 SKS 0200-...

0.37 kg

l = 2500mm

06 MKM 0200-...

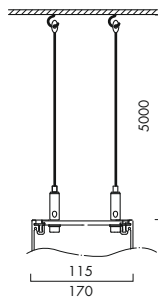


with eyelet for ceiling hook

20 items per unit

l = 5000mm

17 SL 6000



Threaded suspension rod

Basic version

2 items per unit
0.5 kg

l = 2000mm,
white
l = 2000mm,
black

06 MKM 0300-401

06 MKM 0300-402

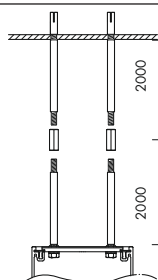
Extension

2 items per unit
0.52 kg

l = 2000mm,
white
l = 2000mm,
black

06 MKM 0301-401

06 MKM 0301-402

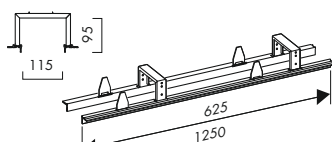


Systems Suspensions Vario

Cut-out edge protectors with end piece (only necessary for recessing in plaster)

for ceilings with thickness of 12.5 mm

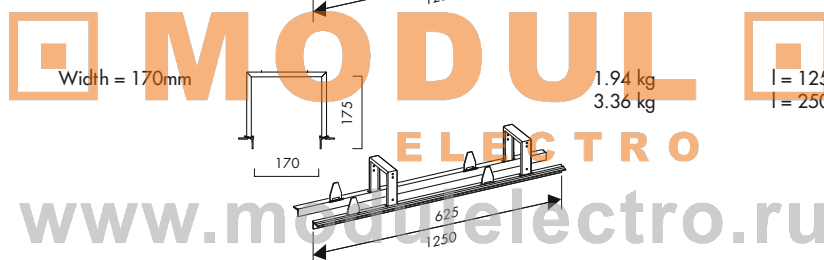
Width = 115mm



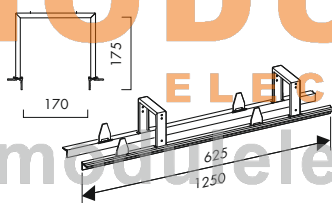
1.64 kg
2.91 kg

l = 1250mm
l = 2500mm

Article numbers
06 SKS 0047
06 SKS 0048



Width = 170mm



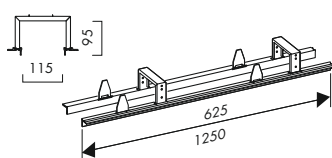
1.94 kg
3.36 kg

l = 1250mm
l = 2500mm

06 MKM 0047
06 MKM 0048

for ceilings with thickness of 25 mm

Width = 115mm

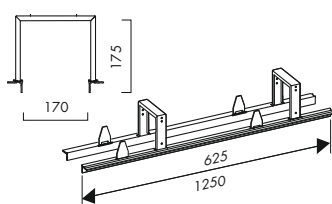


1.64 kg
2.91 kg

l = 1250mm
l = 2500mm

06 SKS 0057
06 SKS 0058

Width = 170mm



1.94 kg
3.36 kg

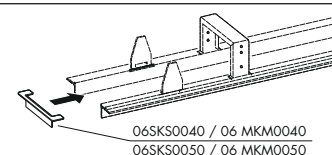
l = 1250mm
l = 2500mm

06 MKM 0057
06 MKM 0058

Accessories cut-out edge protector

Connector for cutout edge protectors 90° end piece for ceilings with thickness of 12.5 mm end piece for ceilings with thickness of 25 mm

Width = 115mm/
170mm
Width = 115mm
Width = 170mm
Width = 115mm
Width = 170mm



0.02 kg
0.03 kg
0.02 kg
0.03 kg

17 KV 0090
06 SKS 0040
06 MKM 0040
06 SKS 0050
06 MKM 0050



- Lighting technology HIT/G8.5
- Function panel with integral electronic ballast and spotlight
- tilting and turning
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 2.2 kg

Panel with 2 m mains cable and Wieland safety plug system GST18i3.

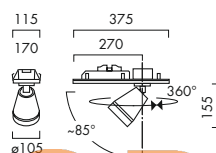


IP20

Function panel with spotlight

Width = 115mm

Width = 170mm



electronic ballast incl. 35 W
70 W

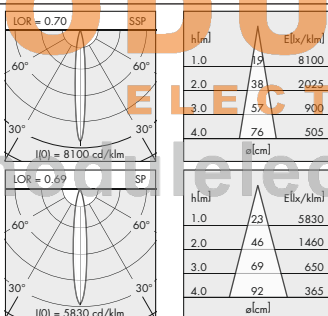
Article numbers
06 SBSS 152-...
06 SBSS 252-...

electronic ballast incl. 35 W
70 W

06 MBSS 152-...
06 MBSS 252-...

+ Reflector HIT/G8.5

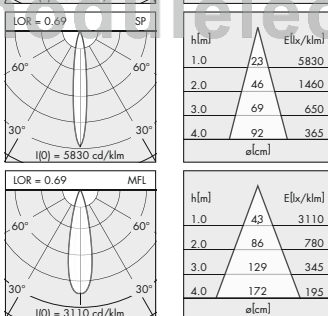
SSP



Safety glass incl.

17 HIB 810-...

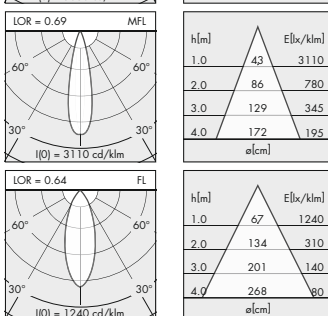
SP



Safety glass incl.

17 HIB 610-...

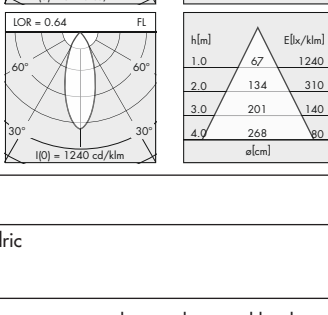
MFL



Safety glass incl.

17 HIB 410-...

FL



Safety glass incl.

17 HIB 210-...

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Optional accessories

Glare reduction cylindric
Filter

UV filter

17 AS 2000
17 GL 1010

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



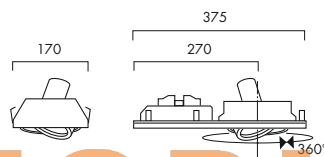
- Lighting technology HIT/G8.5
- Function panel with integral electronic ballast and recessed spotlight, gimbal-mounted
- tilting and turning
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 1.9 kg

Panel with 2 m mains cable and Wieland safety plug system GST18i3.



Function panel with recessed spotlight

Width = 170mm

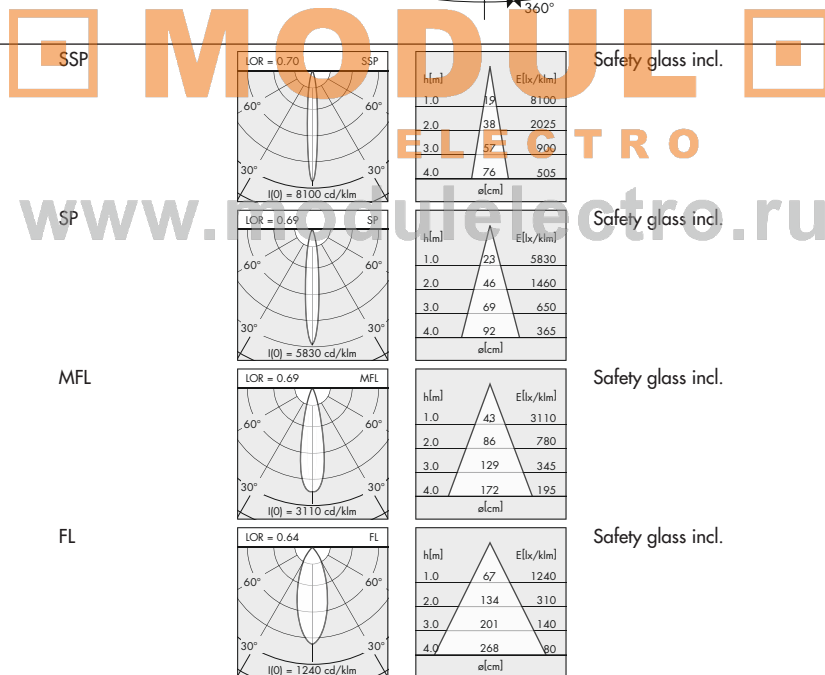


electronic ballast incl.

35 W
70 W

Article numbers
06 MCSS 152-...
06 MCSS 252-...

+ Reflector HIT/G8.5



Safety glass incl.

17 HIB 810-...

Safety glass incl.

17 HIB 610-...

Safety glass incl.

17 HIB 410-...

Safety glass incl.

17 HIB 210-...

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Optional accessories

Glare reduction cylindric
Filter

UV filter

17 AS 2000

17 GL 1010

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



- Lighting technology QT-LP12/GY6.35
- Function panel with integral electronic transformer and recessed spotlight, gimbal-mounted
- tilting and turning
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic transformer, 230-240V, max. 90W
- Weight 1.3 kg

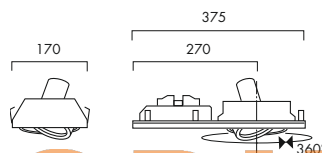
Panel with 2 m mains cable and Wieland safety plug system GST18i3.



IP20

Function panel with recessed spotlight

Width = 170mm



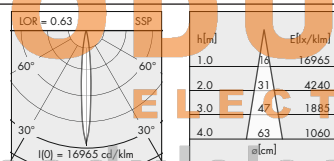
electronic transformer incl.

max. 90 W

Article numbers
06 MCES 050-...

+ Reflector QT-LP12/GY6.35

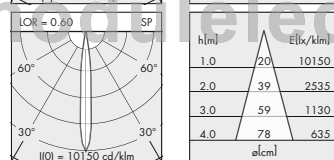
SSP



Safety glass incl.

17 HIB 810-...

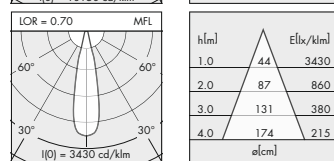
SP



Safety glass incl.

17 HIB 610-...

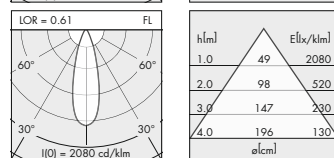
MFL



Safety glass incl.

17 HIB 410-...

FL



Safety glass incl.

17 HIB 210-...

+ Lamp

QT-LP12 IRC/GY6.35 35/50/65 W
QT-LP12/GY6.35 20/35/50/75/90 W

Information about lamps ↗ 400
Information about lamps ↗ 400

Optional accessories

Glare reduction cylindric

17 AS 2000

Order information

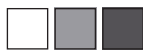
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Vario RHC



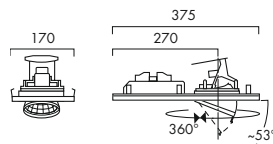
- Lighting technology HIT/G8.5
- Function panel with integral electronic ballast and recessed spotlight
- tilting and turning
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 220-240V, 35(42)W, 70(80)W
- Weight 1.8 kg

Panel with 2 m mains cable and Wieland safety plug system GST18i3.



Function panel with recessed spotlight

Width = 170mm



electronic ballast incl.

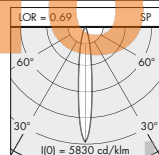
35 W
70 W

Article numbers
06 MRHC 152-...
06 MRHC 252-...

+ Reflector HIT/G8.5



SP



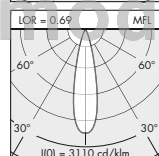
h[m]	E[lx/klm]
1.0	23 5830
2.0	46 1460
3.0	69 650
4.0	92 365

ø[cm]

Safety glass incl.

17 HIF 610-01-...

MFL



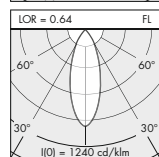
h[m]	E[lx/klm]
1.0	43 3110
2.0	86 780
3.0	129 345
4.0	172 195

ø[cm]

Safety glass incl.

17 HIF 410-01-...

FL



h[m]	E[lx/klm]
1.0	67 1240
2.0	134 310
3.0	201 140
4.0	268 80

ø[cm]

Safety glass incl.

17 HIF 210-01-...

+ Lamp

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Optional accessories

Filter

UV filter

17 ZS 2089-...

Honeycomb grid

17 ZW 1010-...

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



- Lighting technology HIT/G12, HIT/G8.5
- Function panel with integral electronic ballast and downlight
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 220-240V, HIT/G12, HIT/G8.5, 35(42)W, 70(80)W
- Weight 2.1 kg

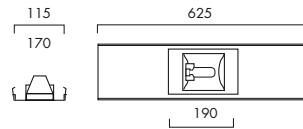
Panel with 2 m mains cable and Wieland safety plug system GST18i3.



IP20

Function panel with downlight and integral reflector

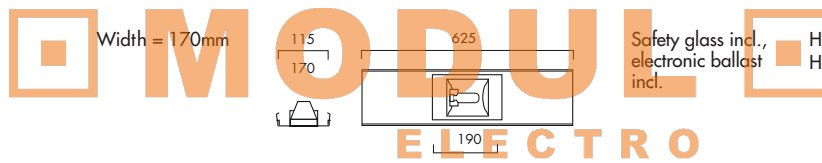
Width = 115mm



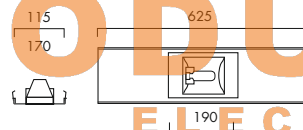
Safety glass incl.,
electronic ballast
incl.

HIT/G8.5 35 W
HIT/G8.5 70 W

Article numbers
06 SCDK 3130-...
06 SCDK 3140-...



Width = 170mm

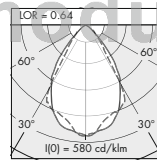


Safety glass incl.,
electronic ballast
incl.

HIT/G12 35 W
HIT/G12 70 W

06 MCDK 3110-...
06 MCDK 3120-...

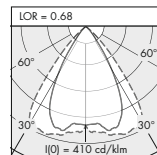
HIT/G12



CO_180 h[m]	Elx/klm	
1.0	137	580
2.0	275	145
3.0	412	65
4.0	550	35
ø[cm]		

C90_270 h[m]	Elx/klm	
1.0	123	580
2.0	245	145
3.0	368	65
4.0	490	35
ø[cm]		

HIT/G8.5



CO_180 h[m]	Elx/klm	
1.0	118	410
2.0	236	105
3.0	353	45
4.0	471	25
ø[cm]		

C90_270 h[m]	Elx/klm	
1.0	161	410
2.0	323	105
3.0	484	45
4.0	646	25
ø[cm]		

+ Lamp

HIT/G12 35/70 W
HIT/G8.5 35/70 W

Information about lamps ↗ 396
Information about lamps ↗ 396

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver

Systems Vario CDK



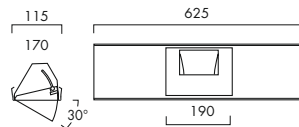
- Lighting technology HIT/G12, HIT/G8.5
- Function panel with integral electronic ballast and wall washer
- tilting reflector
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 220-240V, HIT/G12, HIT/G8.5, 35(42)W, 70(80)W
- Weight 2.1 kg

Panel with 2 m mains cable and Wieland safety plug system GST18i3.



Function panel with wall washer and integral reflector

Width = 115mm



Safety glass incl.,
electronic ballast
incl.

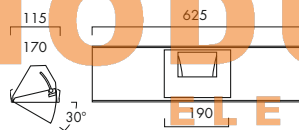
HIT/G8.5,
35 W
HIT/G8.5,
70 W

Article numbers

06 SCDK 3030-...

06 SCDK 3040-...

Width = 170mm

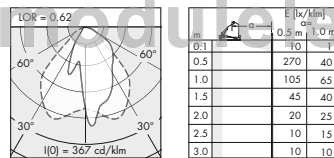
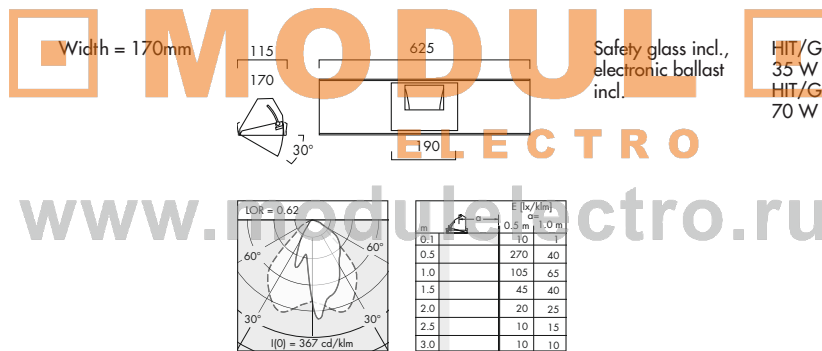


Safety glass incl.,
electronic ballast
incl.

HIT/G12,
35 W
HIT/G12,
70 W

06 MCDK 3010-...

06 MCDK 3020-...



+ Lamp

HIT/G12 35/70 W

HIT/G8.5 35/70 W

Information about lamps ↗ 396

Information about lamps ↗ 396

Order information

Article numbers ending on ... are to be supplemented by the colour code.

Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



- Lighting technology T16/G5
- Function panel with integral electronic ballast and downlight
- optional with grid module
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 230-240V, 39(41)W
- Weight 4.0 kg

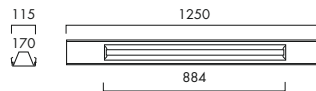
Panel with 2 m mains cable and Wieland safety plug system GST18i3.



IP20

Function panel with downlight and integral reflector

Width = 115mm



electronic ballast incl. 39 W

Article numbers
06 SCDT 6110-...

electronic ballast incl., with mirror grid 39 W

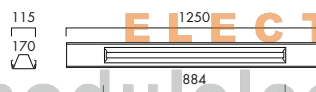
06 SCDT 6111-...

electronic ballast incl., with louver-grid 39 W

06 SCDT 6112-...



Width = 170mm



electronic ballast incl. 39 W

06 MCDT 6110-...

electronic ballast incl., with mirror grid 39 W

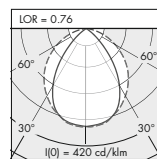
06 MCDT 6111-...

electronic ballast incl., with louver-grid 39 W

06 MCDT 6112-...

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T16/G5

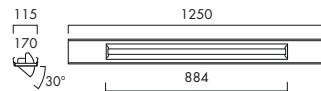


CO, 180	h[m]	E[lx/klm]	d[cm]
	1.0	147	420
	2.0	294	105
	3.0	441	45
	4.0	588	25
			d[cm]

C90, 270	h[m]	E[lx/klm]	d[cm]
	1.0	247	420
	2.0	494	105
	3.0	741	45
	4.0	988	25
			d[cm]

Function panel with tilting downlight and integral reflector

Width = 115mm



electronic ballast incl. 39 W

Article numbers
06 SCDT 6310-...

with mirror grid,
electronic ballast
incl. 39 W

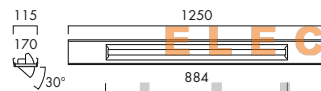
06 SCDT 6311-...

with lower-grid,
electronic ballast
incl. 39 W

06 SCDT 6312-...



Width = 170mm



electronic ballast
incl. 39 W

06 MCDT 6310-...

with mirror grid,
electronic ballast
incl. 39 W

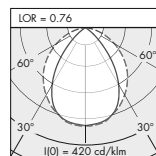
06 MCDT 6311-...

with lower-grid,
electronic ballast
incl. 39 W

06 MCDT 6312-...

www.modulelectro.ru

T16/G5



CO_180	h[m]	E[lx/klm]
	1.0	147 420
	2.0	294 105
	3.0	441 45
	4.0	588 25
	e[cm]	

C90_270	h[m]	E[lx/klm]
	1.0	247 420
	2.0	494 105
	3.0	741 45
	4.0	988 25
	e[cm]	

+ Lamp

T16/G5 39 W

Information about lamps ↗ 398

Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



- Lighting technology T16/G5
- Function panel with integral electronic ballast and wall washer
- Fitting of the function panel into the duct without the use of tools
- Connection data: electronic ballast, 230-240V, 39(41)W
- Weight 3.8 kg

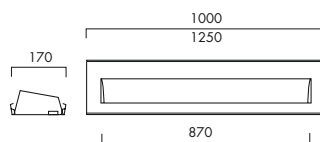
Panel with 2 m mains cable and Wieland safety plug system GST18i3.



IP20

Function panel with wall washer and integral reflector

Width = 170mm

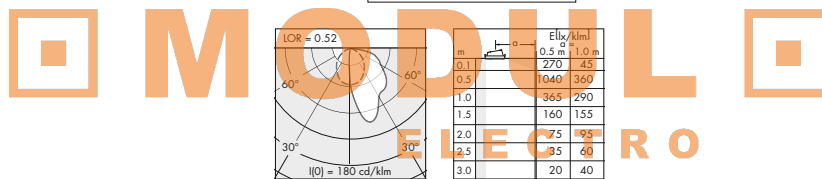


electronic ballast incl.

39 W,
l = 1000mm
39 W,
l = 1250mm

Article numbers
06 MCDT 4210-...
06 MCDT 4211-...

T16/G5




+ Lamp

T16/G5 39 W

Information about lamps ↗ 398

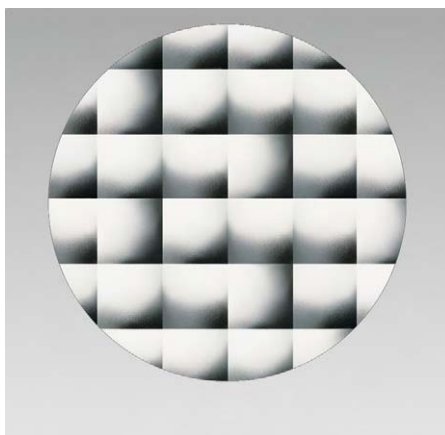
Order information

Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver


MODULO
ELECTRO
www.modulelectro.ru

Redirecting systems

Features and Benefits

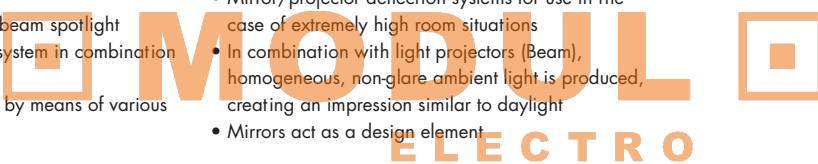


Beam 7361


- Technoid design
- High-power, extremely narrow-beam spotlight
- Suitable as a light redirecting system in combination with mirrors
- Adjustment of the cone of light by means of various diffusers for direct lighting

Mirror 7365

- Mirror/projector deflection systems for use in the case of extremely high room situations
- In combination with light projectors (Beam), homogeneous, non-glare ambient light is produced, creating an impression similar to daylight
- Mirrors act as a design element



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Redirecting systems Compendium



Beam

Mirror

↗ 361

↗ 365

Lighting technology

HIT/G12 70 W
HIT/G12 100 W
HIT/G12 150 W

-
-
-

Ballast

electronic ballast incl.

-

Type of reflector

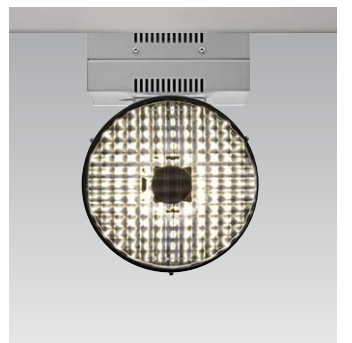
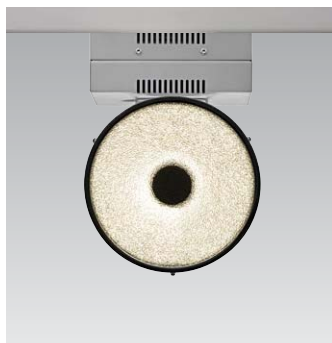
SSP

-

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www.modulelectro.ru

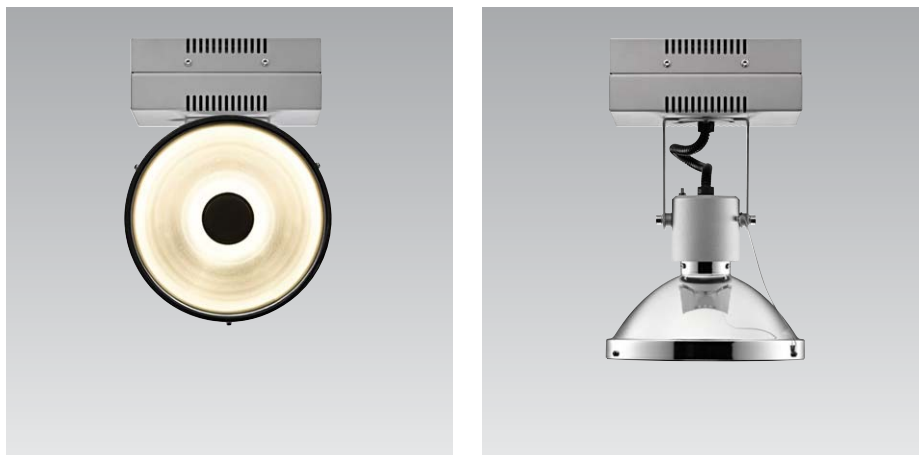


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ELECTRO
www.modulselectro.ru



Redirecting systems

Beam



Beam is a projector for narrow beam light used in combination with redirecting mirrors. The reflector can be focused and is equipped with a cap to restrict glare. Different structured glasses bring about a change in the light distribution opening, in order to use the spot for direct lighting. Beam is intended for a variety of tasks in presentation lighting and architectural lighting.

- Technoid design
- High-power, extremely narrow-beam spotlight
- Suitable as a light redirecting system in combination with mirrors
- Adjustment of the cone of light by means of various diffusers for direct lighting

Redirecting systems

Compendium Beam



Beam BLS

↗ 363

Lighting technology

HIT/G12 70 W
 HIT/G12 100 W
 HIT/G12 150 W

- _____
- _____
- _____

Ballast

electronic ballast incl.

- _____

Type of reflector

SSP

- _____

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Redirecting systems

Beam BLS



- Lighting technology HIT/G12
- for surface or wall mounting
- tilting and turning
- Parabolic reflector and glare reduction device
- Spotlight coated
- Connection data: electronic ballast, 220-240V, 70(80)W, 100(109)W, 150(163)W
- Weight 2.7 kg

Connection of light fitting to mains by means of 3-pole terminal block.



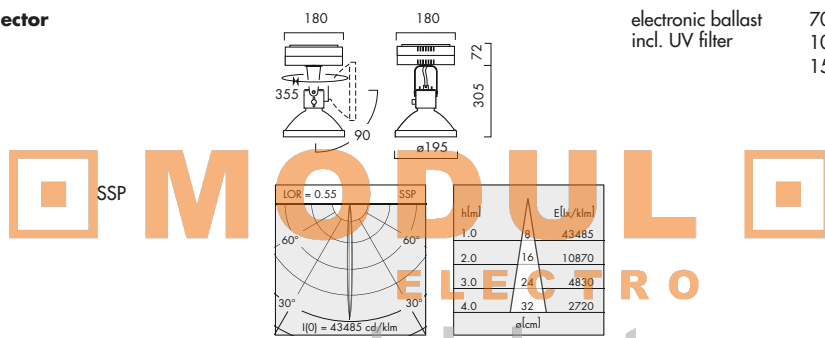
IP20

Spotlight with integral reflector

electronic ballast
incl. UV filter
70 W
100 W
150 W

Article numbers
02 BLS 1620-...
02 BLS 5620-...
02 BLS 2620-...

HIT/G12



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+ Lamp

HIT/G12 70/100/150 W

Information about lamps ↗ 396

Optional accessories

Structured glass



OD structured glass

17 ZS 2300

Structured glass LS

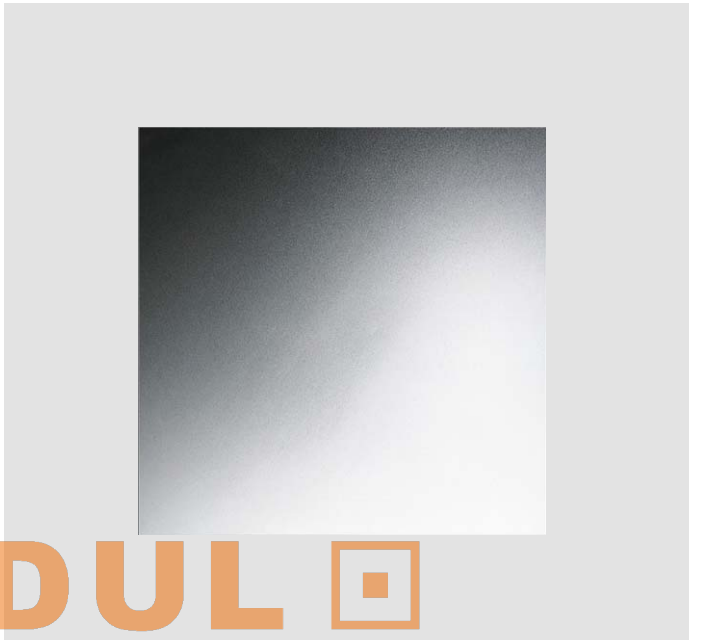
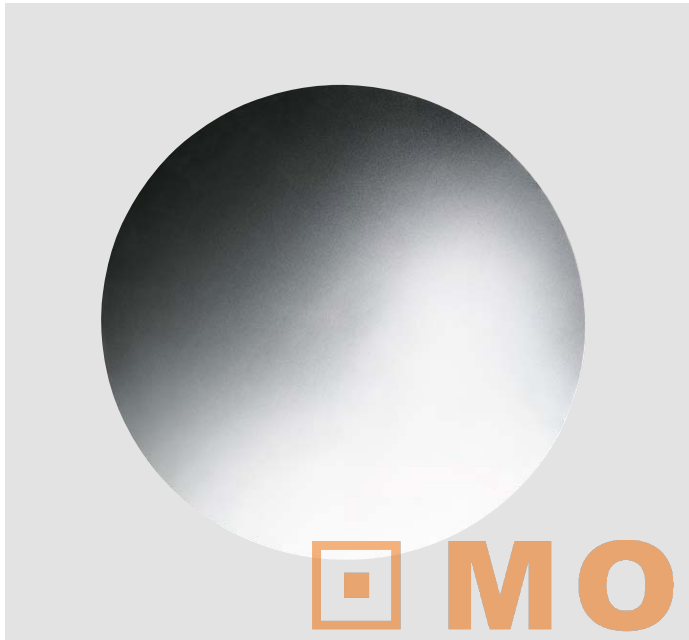
17 ZS 2301

ED structured glass

17 ZS 2302

Order information

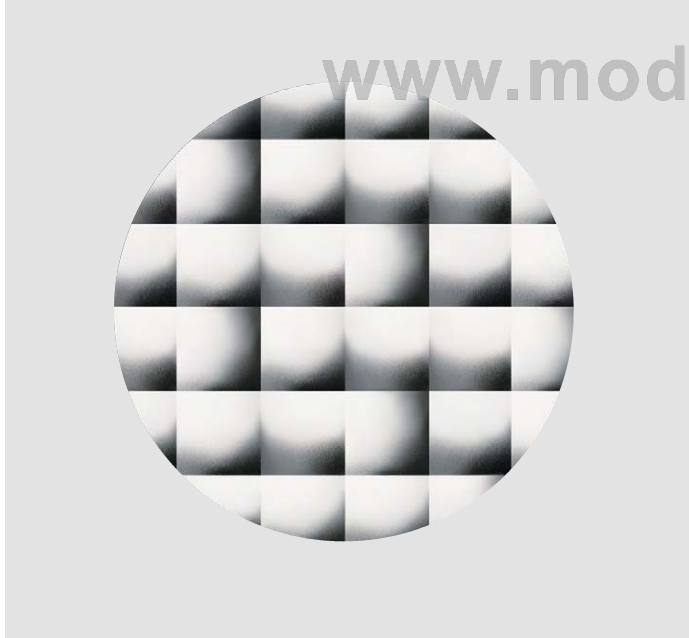
Article numbers ending on -... are to be supplemented by the colour code.
Colour code: ...-401 = white / ...-402 = anthracite / ...-410 = silver



 **MODUL** 

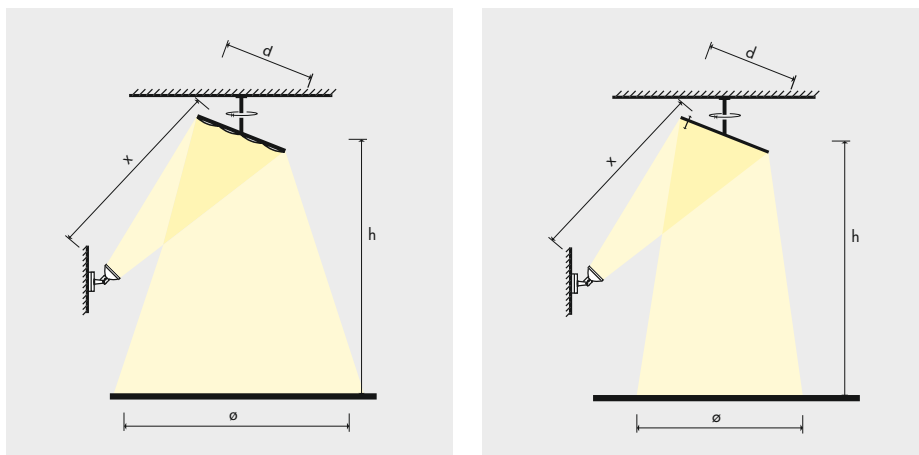
ELECTRO

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Redirecting systems

Mirror

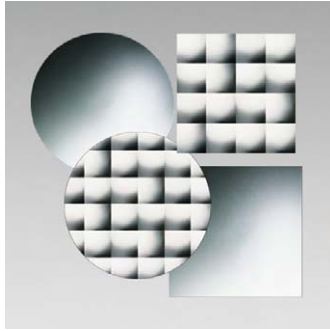


Through the interplay of projectors and redirecting mirrors a particularly evenly spread and glare-free light can be achieved. The light from the spots is thrown systematically onto mirror surfaces, the light beams are widened or narrowed accordingly and reflected back down to the working area. The result is an ambience similar to daylight with a high degree of homogeneity and without glare. This lighting variant is suitable particularly for large, high rooms, for example for shopping malls.

- Mirror/projector deflection systems for use in the case of extremely high room situations
- In combination with light projectors (Beam), homogeneous, non-glare ambient light is produced, creating an impression similar to daylight
- Mirrors act as a design element

Redirecting systems

Mirror

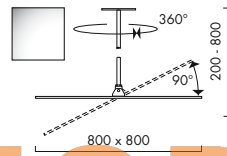


- Redirecting mirror as a plane or composite mirror
- for surface mounting
- Round or square design
- Surface brilliant finish
- Fixation with ceiling plate and rod in various lengths
- Suspension for single mirror or group of mirrors

Redirecting mirror

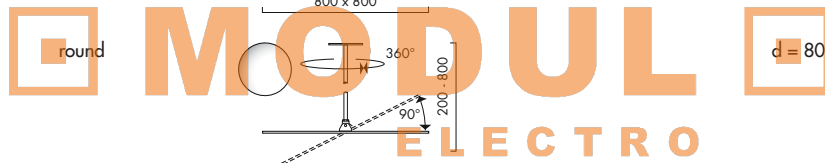
Plane mirror

quadratic

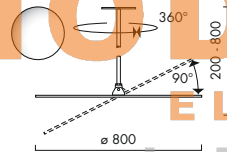


l = 800mm,
w = 800mm

Article numbers
06 US 3302



round

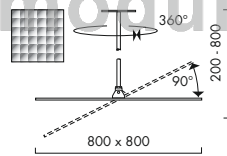


d = 800mm

06 US 2302

Composite mirror

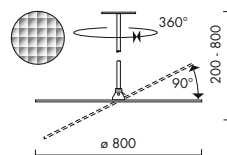
quadratic



l = 800mm,
w = 800mm

06 US 5302

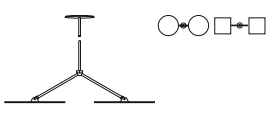
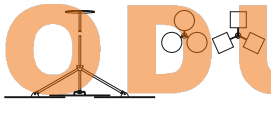

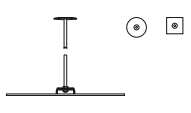
round



d = 800mm


06 US 4302

+ Suspension

			Article numbers
for double mirror		Rod lengths 200mm Rod lengths 400mm Rod lengths 600mm Rod lengths 800mm	06 UT 2324 06 UT 2325 06 UT 2364 06 UT 2384
for triple mirror		Rod lengths 200mm Rod lengths 400mm Rod lengths 600mm Rod lengths 800mm	06 UT 3324 06 UT 3344 06 UT 3364 06 UT 3384
for quadruple mirror		Rod lengths 200mm Rod lengths 400mm Rod lengths 600mm Rod lengths 800mm	06 UT 4324 06 UT 4344 06 UT 4364 06 UT 4384
for single mirror		Rod lengths 200mm Rod lengths 300mm Rod lengths 400mm Rod lengths 500mm Rod lengths 600mm Rod lengths 700mm Rod lengths 800mm	06 UT 1324 06 UT 1334 06 UT 1344 06 UT 1354 06 UT 1364 06 UT 1374 06 UT 1384

Order information

In the case of the order numbers, please supplement the last place ('dots') with the coding of the 'suspension rod / ceiling panel'.
Coding colour combination: rod silver / ceiling panel silver = 4, rod silver / ceiling panel white = 5, rod white / ceiling panel white = 6, colours according to customer's wishes = 3.


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Orientation luminaires

Features and Benefits

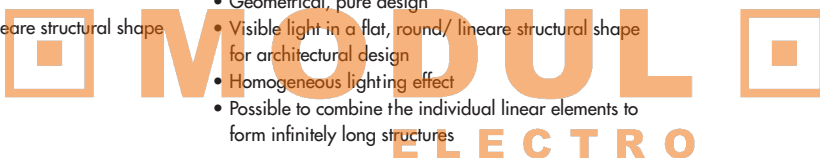


LEDdot ↗ 371

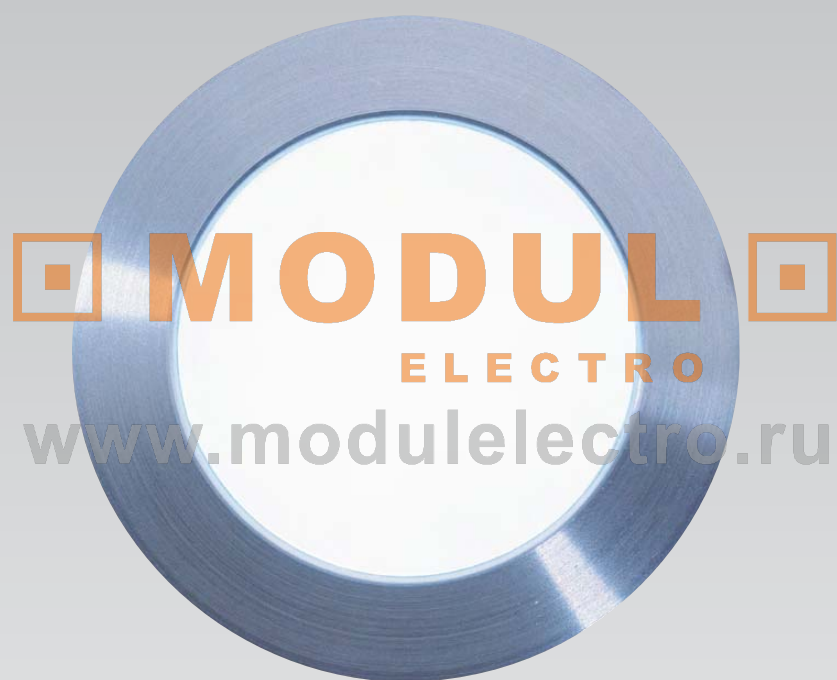
- Geometrical, pure design
- Visible light in a flat, round/ lineare structural shape for architectural design
- Homogeneous lighting effect

LEDstripe ↗ 371

- Geometrical, pure design
- Visible light in a flat, round/ lineare structural shape for architectural design
- Homogeneous lighting effect
- Possible to combine the individual linear elements to form infinitely long structures

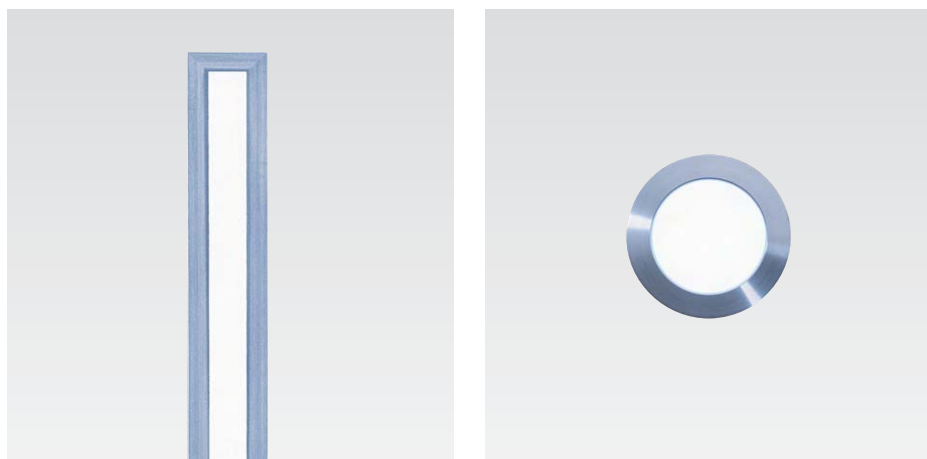


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Orientation luminaires

LEDdot / LEDstripe

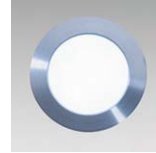


The luminaires of the product series LEDstripe and LEDdot are attractive design elements for interiors. As points or lines, the innovative products attract attention to presentation areas, provide help with orientation along corridors and in stairwells or draw attractive light patterns. The luminaires can be recessed into walls, ceilings or floors. They are available in blue, red, orange, green or white.

- Geometrical, pure design
- Visible light in a flat, round/ lineare structural shape for architectural design
- Homogeneous lighting effect
- Possible to combine the individual linear elements to form infinitely long structures

Orientation luminaires

Compendium LEDdot / LEDstripe



LEDdot LBS
↗ 373

LEDstripe LBL
↗ 374

Lighting technology

9 LED	•	
4 LED		•
16 LED		•
32 LED		•
64 LED		•
108 LED		•
160 LED		•

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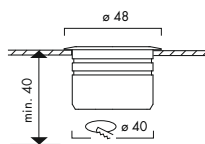
Orientation luminaires LEDdot LBS



- Lighting technology LED
- Light spot in stainless steel with RGB-LED for use indoors
- opal optic with homogenous luminance
- not approved for traffic ways or use outdoors
- Connection data: 24V DC, 1,2W
- Weight 0.1 kg

Connection of LED to supply unit by means of 4-pole cable.

Light spot



RGB
white

Article numbers
48 SK 10029
48 SK 10028

+ Ballast

Supply unit

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prim. 100-130/200-250V AC, sek. 50/60Hz	120 W
prim. 220-240V AC, sek. 24V DC, 0/50/60Hz	75 W
prim. 230-240V AC, sek. 24V DC, 0/50/60Hz	20 W

15 LE 9120
15 LE 0059
15 LE 0026

Order information

In the luminaire 48SK10029 an LED board has been fitted which can generate various colours. Depending on the connection of the cables it is possible to choose between red, green and blue. By combination of the connections the secondary colours yellow, cyan and magenta can be produced.

Orientation luminaires LEDstripe LBL



- Lighting technology LED
- Light line made of aluminium with approx. 72LED/m for use indoors
- opal optic with homogenous luminance
- Profiles seamless sequencing
- not approved for traffic ways or use outdoors
- Connection data: 10V DC, 230V, 8,5W/m
- Weight 1.0 kg/m

Connection of LED to supply unit by means of 2-pole cable.



Light line


Length (l)	LED count	Power (W)	Color options	Article numbers
64mm	4 LED	0,5 W	red, orange, green, blue, white	03 LBL 61A0 03 LBL 61A1 03 LBL 61A2 03 LBL 61A3 03 LBL 61A4
232mm	16 LED	2 W	red, orange, green, blue, white	03 LBL 61C0 03 LBL 61C1 03 LBL 61C2 03 LBL 61C3 03 LBL 61C4
456mm	32 LED	4 W	red, orange, green, blue, white	03 LBL 61D0 03 LBL 61D1 03 LBL 61D2 03 LBL 61D3 03 LBL 61D4
904mm	64 LED	8 W	red, orange, green, blue, white	03 LBL 61E0 03 LBL 61E1 03 LBL 61E2 03 LBL 61E3 03 LBL 61E4
1520mm	108 LED	13,5 W	red, orange, green, blue, white	03 LBL 61H0 03 LBL 61H1 03 LBL 61H2 03 LBL 61H3 03 LBL 61H4
2248mm	160 LED	20 W	red, orange, green, blue, white	03 LBL 61L0 03 LBL 61L1 03 LBL 61L2 03 LBL 61L3 03 LBL 61L4

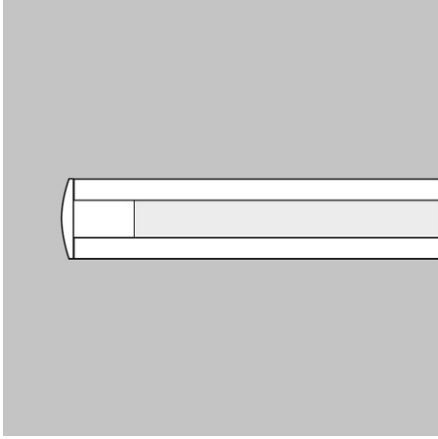
Ballast	Supply unit	Power (W)	Article numbers
+ Ballast	prim. 100-130/200-250V AC, sek. 50/60Hz	120 W	15 LE 9120
	prim. 220-240V AC, sek. 10V DC, 0/50/60Hz	50 W	15 LE 0058
	prim. 230-240V AC, sek. 10V DC, 0/50/60Hz	12 W	15 LE 0023

Optional accessories	Description	Quantity	Article numbers
Optional accessories	Fixing clips	5 items per unit	17 EF 1000
	Mounting duct	l = 75mm	17 EK 0011
		l = 245mm	17 EK 0012
		l = 470mm	17 EK 0013
		l = 915mm	17 EK 0014
		l = 1530mm	17 EK 0015
End cap	l = 2260mm	17 EK 0016	
	End cap		17 ES 0001-150

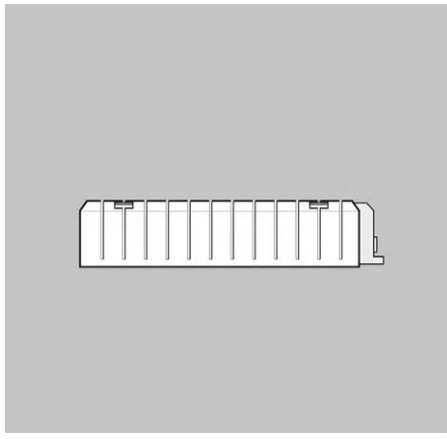
Order information

Versions of the luminaire in other colours available on request.

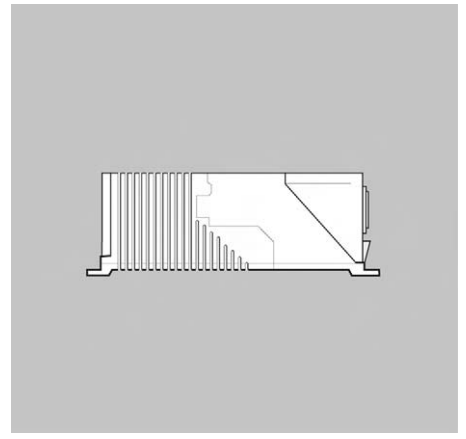

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Tracks ↗378



Electronic ballast ↗384

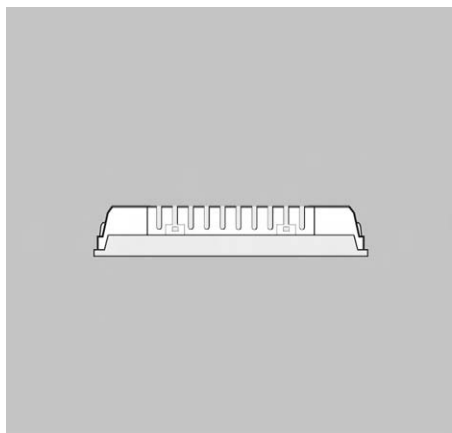


Conventional ballast ↗389

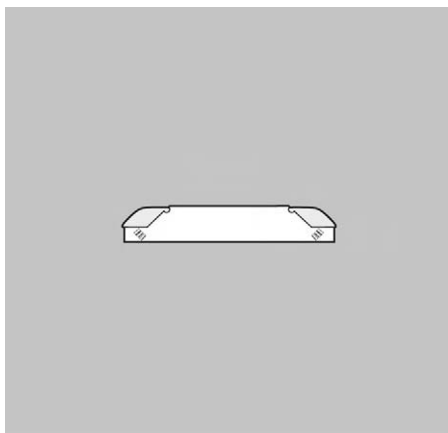
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Accessories

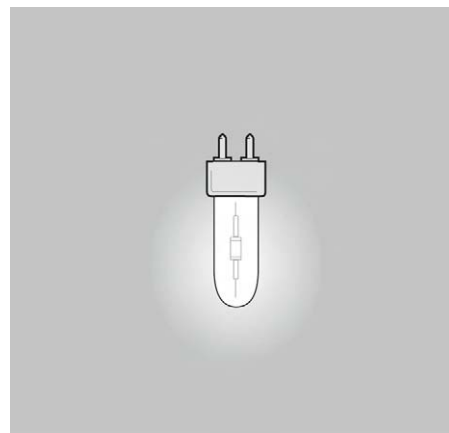
Features and Benefits





Transformers ↗392



Supply units ↗393



Lamp ↗396

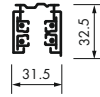
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Accessories

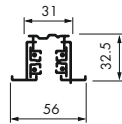
Tracks

Tracks

Three-circuit surface mounted track



Three-circuit recessed mounted track



l = 1000mm

white
silver
black

Article numbers

16 NK 70391002
16 NK 70391004
16 NK 70391003

l = 2000mm

white
silver
black

16 NK 70392002
16 NK 70392004
16 NK 70392003

l = 3000mm

white
silver
black

16 NK 70393002
16 NK 70393004
16 NK 70393003

l = 4000mm

white
silver
black

16 NK 70395002
16 NK 70395004
16 NK 70395003

l = 1000mm

white
silver
black

16 NK 70404002
16 NK 70404004
16 NK 70404003

l = 2000mm

white
silver
black

16 NK 70405002
16 NK 70405004
16 NK 70405003

l = 3000mm

white
silver
black

16 NK 70406002
16 NK 70406004
16 NK 70406003

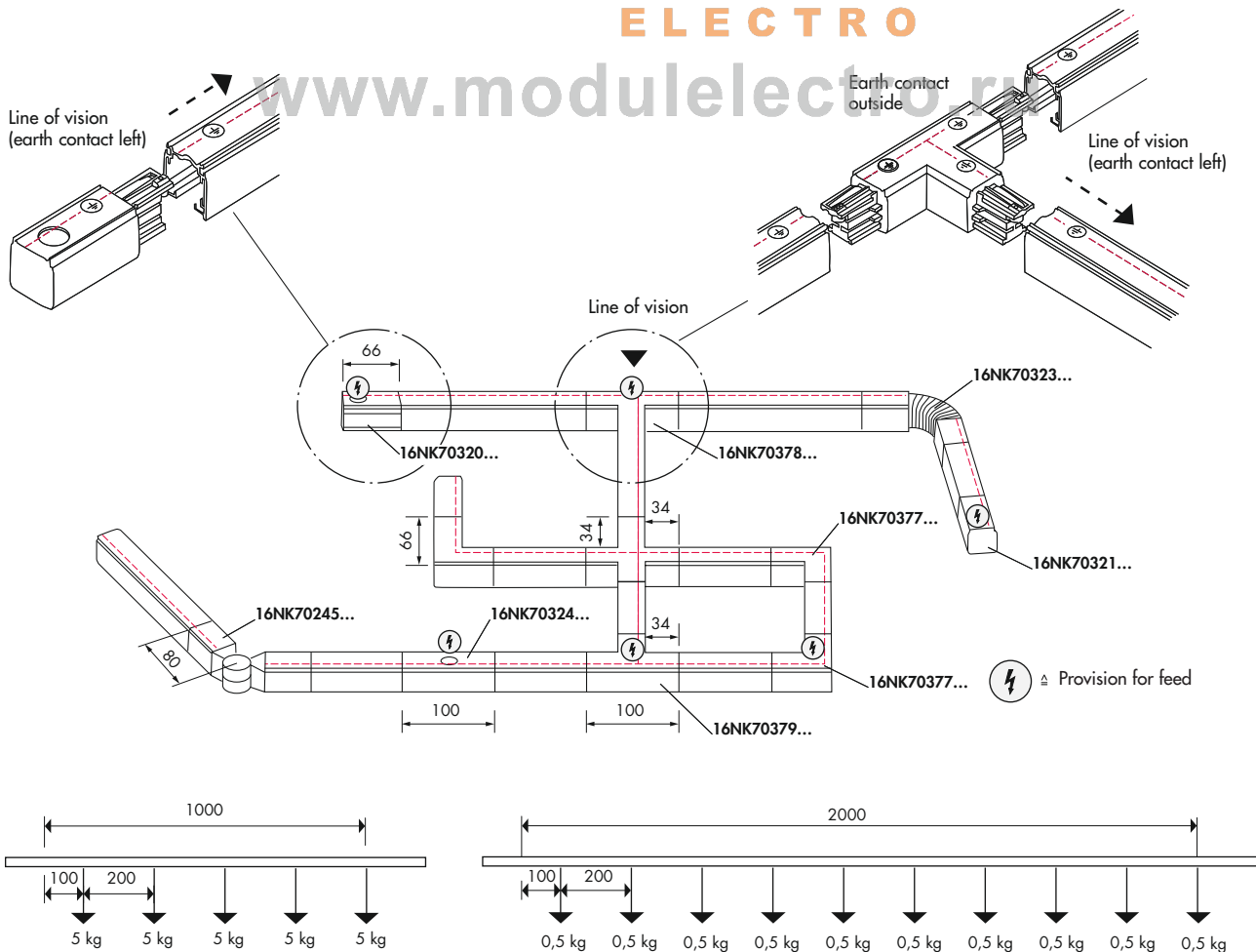
l = 4000mm

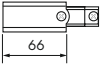
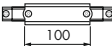
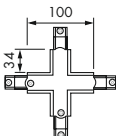
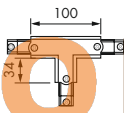
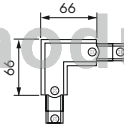
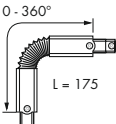
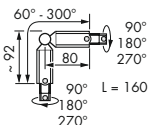

white
silver
black

16 NK 70407002
16 NK 70407004
16 NK 70407003



Example of accessory choice

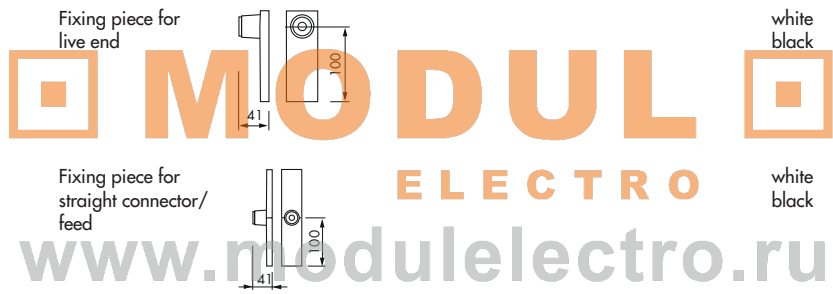


				Article numbers	
Feeding	Feed piece		Earth contact left	white black	16 NK 70320002 16 NK 70320003
			Earth contact right	white black	16 NK 70321002 16 NK 70321003
	Straight connector with provision for feed			white black	16 NK 70324002 16 NK 70324003
	Cross connector with provision for feed			white black	16 NK 70380002 16 NK 70380003
	T-connector with provision for feed		Earth contact left	white black	16 NK 70378002 16 NK 70378003
		left outside	white black	16 NK 70246002 16 NK 70246003	
		Earth contact left	white black	16 NK 70379002 16 NK 70379003	
		Earth contact right	white black	16 NK 70247002 16 NK 70247003	
		outside	white black	16 NK 70247002 16 NK 70247003	
		Earth contact right	white black	16 NK 70377002 16 NK 70377003	
		inside	white black	16 NK 70376002 16 NK 70376003	
	Corner connector with provision		Earth contact	white black	16 NK 70377002 16 NK 70377003
			outside	white black	16 NK 70376002 16 NK 70376003
			Earth contact	white black	16 NK 70376002 16 NK 70376003
			inside	white black	16 NK 70376002 16 NK 70376003
Connectors	Flexible connector			white black	16 NK 70323002 16 NK 70323003
	Binted connector			white black	16 NK 70245002 16 NK 70245003
	Straight connector			white black	16 NK 70330002 16 NK 70330003

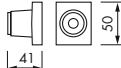
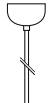

Accessories

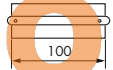
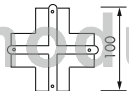



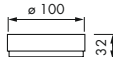
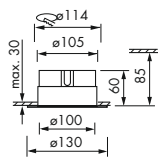
Tracks

Fixing piece	Description	Image	Colors	Article numbers	
for surface and suspended mounting	Universal fixing piece		white silver black	16 NK 70594002 16 NK 70594004 16 NK 70594003	
	for suspended mounting	Suspension clip short		white silver	16 NK 70354002 16 NK 70354004
	Suspension clip long		white silver	16 NK 70351002 16 NK 70351004	
	Fixing piece for live end		white black	16 NK 70510002 16 NK 70510003	
	Fixing piece for straight connector/feed		white black	16 NK 70511002 16 NK 70511003	
	Fixing piece for cross connector		white black	16 NK 70514002 16 NK 70514003	
	Fixing piece for T-connector		white black	16 NK 70513002 16 NK 70513003	
	Fixing piece for corner connector		white black	16 NK 70512002 16 NK 70512003	
	Wire suspension with mini-canopy		l = 1500mm l = 3000mm	white black white black	16 NK 70505002 16 NK 70505003 16 NK 70525002 16 NK 70525003
	Threaded rod suspension with mini-canopy		l = 1000mm	white black	16 NK 70506002 16 NK 70506003



Accessories Tracks

Fixing piece				Article numbers
Fixing piece			white black	16 NK 70509002 16 NK 70509003
Rod suspension with provision for feed		l = 1000mm l = 2000mm l = 3000mm	white black white black white black	16 NK 70508002 16 NK 70508003 16 NK 70518002 16 NK 70518003 16 NK 70528002 16 NK 70528003
Rod extension		l = 1000mm	white black	16 NK 70519002 16 NK 70519003

Further accessories				Article numbers
Cover for feed piece and connector for recessed track			white black	16 NK 70248002 16 NK 70248003
Cover piece for corner, cross and T-connector for recessed track			white black	16 NK 70249002 16 NK 70249003
Dead end			white black	16 NK 70337002 16 NK 70337003
Spanner				16 NK 70348
Hook		max. load 5 kg		16 NK 70382
Ceiling jack for adapter			white black	16 NK 70319002 16 NK 70319003
Recessed ceiling jack			white black	16 NK 70360002 16 NK 70360003

Accessories

Tracks

Further accessories

Multi adapter



white
black


Article numbers
16 NK 70318002
16 NK 70318003


Multi adapter with
plug socket, single
circuit



white

16 NK 70316


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Accessories

Electronic ballast



Overvoltage protection:
 Protected from continuous overvoltage of up to 320 volts over a period of 48 hours, spike protection LN → PE = 3 KV / L → N = 3 KV

Overheating protection:
 Ballast unit has active overheating protection, new start takes place after programmed cooling-down phase

EOL cutoff (EndOfLife):
 Cut-off upon the lamp reaching the end of its life

Average life 50.000 h:
 Average life of 50,000 h, but a minimum of 30,000 hours at an ambient temperature of 55 °C

Ignition cutoff in case no lamp is fitted
 Constant watt principle for optimum lamp operation

Max. lead length to the luminaire 2.0 m
 Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
 Connection to mains by means of integral Wieland safety plug system GST18i3.



HIT/HIT-DE 35 W
 35 W



220-240V, 50/60Hz 0.3 kg
 220-240V, 50/60Hz 0.3 kg

Article numbers
 27 VTE 1121

27 VTE 1121

Optional accessories

Connecting cable Jack GST18i3 and free end necessary if no Wieland coupling present at the mains end

3x1,5mm², L= 1,5m

29 AK 0101

Connecting cable Jack / plug ST18 red secondary extension cable

3x0,75mm², L= 0,8m

17 VTE 0001

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Accessories

Electronic ballast

1
2
3
4
5
6
7
8

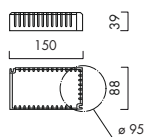
- The control gear units are equipped with active protection against overheating
- Automatic cutoff upon lamp failure
- Constant watt principle for optimum lamp operation

Max. lead length to the luminaire 5.0 m
Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
Terminal line with Wieland safety plug system GST18i3, l = 2.0 m.



HIT/HIT-DE

20 W



220-240V,
50/60Hz

0,5 kg

Article numbers
27 VTE 1021

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Accessories

Electronic ballast

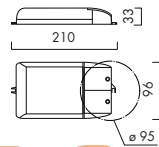
- The control gear units are equipped with active protection against overheating
- Automatic cutoff upon lamp failure
- Ignition cutoff in case no lamp is fitted
- Constant watt principle for optimum lamp operation

Max. lead length to the luminaire 2.0 m
Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
Terminal line with Wieland safety plug system GST18i3, l = 2.0 m.



HIT/HIT-DE

100 W



220-240V,
50/60Hz

0.6 kg

Article numbers
27 VT 1521-5F00

MODUL
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Accessories

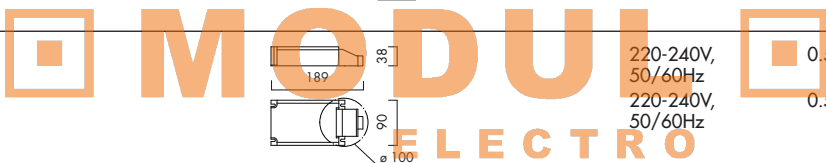
Electronic ballast

- The control gear units are equipped with active protection against overheating
- Automatic cutoff upon lamp failure
- Ignition cutoff in case no lamp is fitted
- Constant watt principle for optimum lamp operation

Max. lead length to the luminaire 2.0 m
 Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
 Terminal line with Wieland safety plug system GST18i3, l = 1.1 m.



						Article numbers	
HIT/HIT-DE	150 W		220-240V, 50/60Hz	1.6 kg			27 VT 1621
HST (SDW-TG)	50 W		220-240V, 50/60Hz	0.5 kg			27 VT 2221
	100 W		220-240V, 50/60Hz	0.5 kg			27 VT 2521



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Accessories

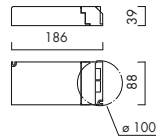
Electronic ballast

- The control gear units are equipped with active protection against overheating
- Automatic cutoff upon lamp failure
- Ignition cutoff in case no lamp is fitted
- Constant watt principle for optimum lamp operation

Max. lead length to the luminaire
10.0 m Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
Terminal line with Wieland safety plug system GST18i3, l = 1.1 m.



HIT/HIT-DE
35 W
70 W
150 W



220-240V
50/60Hz 0,5 kg
220-240V
50/60Hz 0,5 kg
220-240V
50/60Hz 0,5 kg

Article numbers
27 VT 1151
27 VT 1351
27 VT 1651

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Accessories

Conventional ballast



Overvoltage protection:
No start at overvoltage > 300 volts



Overheating protection:
Ballast unit has active overheating protection, new start takes place after programmed cooling-down phase



EOL cutoff (EndOfLife):
Cut-off upon the lamp reaching the end of its life



Average life 50.000 h:
Average life of 50,000 hours

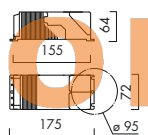
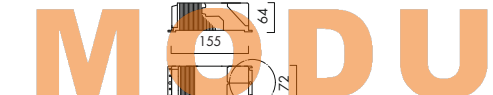
Max. lead length to the luminaire 10.0 m.
Ready to plug in for toolless connection to luminaire bodies via Wieland connectors.
Connection to mains by means of integral Wieland safety plug system GST18i3.
Ready for ceiling mounting.

Ignition cutoff in case no lamp is fitted
Marking as independent accessory



HIT/HIT-DE

35 W
35 W
35 W



230V,
50Hz
220-240V,
50/60Hz

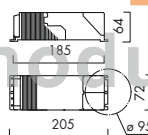


0.3 kg
0.3 kg

Article numbers
27 VTE 1121

27 VTE 1121

27 VTE 1121



220-240V,
50/60Hz

0.3 kg

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Optional accessories

Connecting cable	Jack GST18i3 and free end necessary if no Wieland coupling present at the mains end	3x1,5mm ² , L= 1,5m	29 AK 0101
Connecting cable	Jack / plug ST18 red secondary extension cable	3x0,75mm ² , L= 0,8m	17 VTE 0001


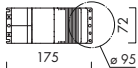
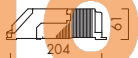
Accessories

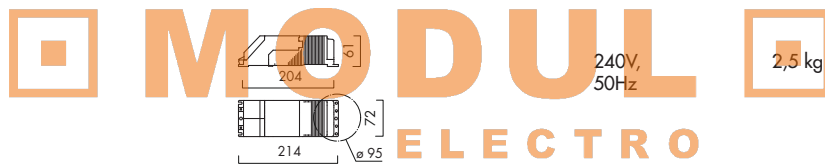
Conventional ballast

- The control gear units are equipped with active protection against overheating
- Type B capacitor power factor corrected (ZVEI recommendation)
- Timed ignitor with automatic cutoff upon lamp failure
- Ignition cutoff in case no lamp is fitted

Max. lead length to the luminaire
10.0 m.
Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
Terminal line (1.1 m) left bare ended
Ready for ceiling mounting



HIT/HIT-DE	Power	Dimensions	Voltage/Freq	Weight	Article numbers
	35 W		240V, 50Hz	1,5 kg	27 VT 1164
	70 W		240V, 50Hz	1,5 kg	27 VT 1364
	150 W		240V, 50Hz	2,5 kg	27 VT 1664



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Accessories

Conventional ballast

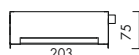
- The control gear units are equipped with active protection against overheating
- Type B capacitor power factor corrected (ZVEI recommendation)
- Controlled and stabilised lamp operation

Max. lead length to the luminaire 1.5 m
 Ready to plug in for toolless connection to luminaire bodies via Wieland connectors
 Terminal line (1.1 m) left bare ended
 Ready for ceiling mounting



HST (SDW-T)

50 W



230V,
50Hz
240V,
50Hz

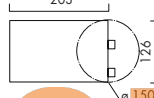
2.4 kg

Article numbers

27 VT 2211

27 VT 2214

100 W



230V,
50Hz
240V,
50Hz

2.6 kg

27 VT 2511

27 VT 2514



www.modulelectro.ru

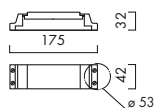
Accessories

Transformers

- The control gear units are equipped with active protection against overheating
- Protected against high voltage impulses up to 2kV
- Dimmable with leading and trailing edge dimming device



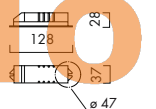
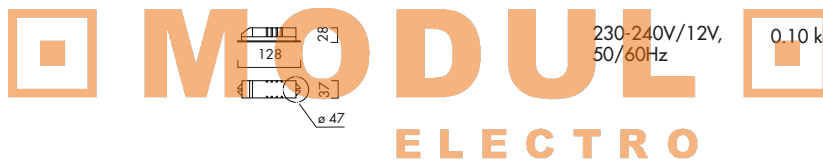
QT12/QR-CBC 20-105 VA



230-240V/12V, 50/60Hz 0.19 kg

Article numbers
15 NE 3018

20-105 VA



230-240V/12V, 50/60Hz 0.10 kg

15 NE 3041

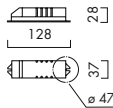
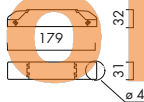
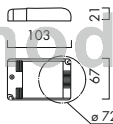
www.modulelectro.ru

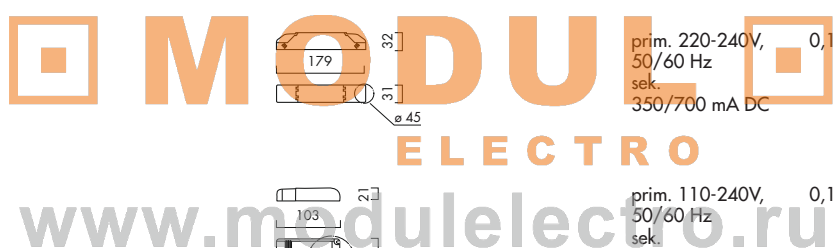
Accessories

Supply units

- The control gear units are equipped with active protection against overheating
- Stabilised output current

IP20

LED					Bestellnummern
11 W		prim. 220-240V, 50/60 Hz sek. 350 mA DC	0,071 kg		17 LE 7017
33 W		prim. 220-240V, 50/60 Hz sek. 350/700 mA DC	0,120 kg		17 LE 7012
25 W		prim. 110-240V, 50/60 Hz sek. 350/500/700 mA DC dimmbar 1-10V	0,110 kg		17 LE 7013

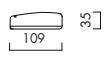
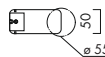

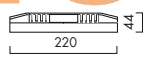



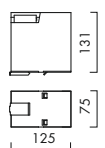





Accessories

Supply units

- The control gear units are equipped with active protection against overheating
- Stabilised output voltage

IP20









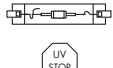

LED					Article numbers
12 W			prim. 230-240V AC, sek. 10V DC, 0/50/60Hz	0.10 kg	15 LE 0023
20 W			prim. 230-240V AC, sek. 24V DC, 0/50/60Hz	0.10 kg	15 LE 0026
50 W			prim. 220-240V AC, sek. 10V DC, 0/50/60Hz	0.27 kg	15 LE 0058
75 W			prim. 220-240V AC, sek. 24V DC, 0/50/60Hz	0.28 kg	15 LE 0059
120 W			prim. 100- 130/200-250V AC, sek, 50/60Hz	0.9 kg	15 LE 9120

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Accessories

Lamp

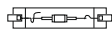

High-pressure metal halide lamp with ceramic burner



							Article numbers
 	GE Lighting	830 35 W	G12	3400 lm	d = 19mm	19 LS 9049	
		830 70 W	G12	6400 lm	d = 19mm	19 LS 9050	
	Osram HCI-T	830 150 W	G12	14000 lm	d = 19mm	19 LS 9051	
		942 70 W	G12	6000 lm	d = 19mm	19 LS 4004	
		942 150 W	G12	13000 lm	d = 19mm	19 LS 4005	
		830 35 W	G12	3400 lm	d = 19mm	19 LS 5068	
		830 70 W	G12	7000 lm	d = 19mm	19 LS 5013	
		830 100 W	G12	9500 lm	d = 19mm	19 LS 5159	
		830 150 W	G12	15500 lm	d = 19mm	19 LS 5136	
		942 70 W	G12	6700 lm	d = 19mm	19 LS 5145	
		942 100 W	G12	9300 lm	d = 19mm	19 LS 5160	
		942 150 W	G12	14500 lm	d = 25mm	19 LS 5049	
		930 35 W	G12	2800 lm	d = 19mm	19 LS 5141	
		930 70 W	G12	6400 lm	d = 19mm	19 LS 5171	
	Osram HCI-T Shoplight	830 35 W	G12	3300 lm	d = 20mm	19 LS 5034	
		830 70 W	G12	6600 lm	d = 20mm	19 LS 5035	
	Philips CDM-T	830 150 W	G12	14000 lm	d = 20mm	19 LS 5036	
		942 70 W	G12	6600 lm	d = 20mm	19 LS 5060	
		942 150 W	G12	12700 lm	d = 20mm	19 LS 5062	
		930 35 W	G12	3500 lm	d = 20mm	19 LS 5126	
930 70 W		G12	7300 lm	d = 20mm	19 LS 5128		
930 100 W		G12	11000 lm	d = 20mm	19 LS 5161		
930 150 W		G12	15000 lm	d = 20mm	19 LS 5130		
Philips CDM-T Elite		for electronic ballast only					
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
	for electronic ballast only						
<hr/>							
 	GE Lighting	830 20 W	G8.5	1700 lm		19 LS 5059	
		830 35 W	G8.5	3400 lm		19 LS 9047	
		830 70 W	G8.5	6200 lm		19 LS 9048	
	Osram HCI-TC	842 35 W	G8.5	3200 lm		19 LS 5401	
		942 70 W	G8.5	6200 lm		19 LS 5402	
		830 20 W	G8.5	1700 lm		19 LS 5180	
		830 35 W	G8.5	3400 lm		19 LS 5142	
		830 70 W	G8.5	6900 lm		19 LS 5098	
		930 35 W	G8.5	2800 lm		19 LS 5144	
		930 70 W	G8.5	6300 lm		19 LS 5170	
		942 35 W	G8.5	3200 lm		19 LS 5143	
		942 70 W	G8.5	6600 lm		19 LS 5147	
		830 35 W	G8.5	3300 lm		19 LS 5052	
	Philips CDM-TC	for electronic ballast only					
		Elite, for electronic ballast only					
		Elite, for electronic ballast only					
		Elite, for electronic ballast only					
		Elite, for electronic ballast only					
Elite, for electronic ballast only							
<hr/>							
 	GE Lighting	830 20 W	GU6.5	1615 lm		19 LS 5403	
	Osram HCI-TF	830 20 W	GU6.5	1700 lm		19 LS 5172	
<hr/>							
 	Philips CDM-Tm	830 20 W	PGJ5	1650 lm		19 LS 5120	
<hr/>							
 	Osram HCI-TS	830 70 W	RX7s	6900 lm		19 LS 5148	
		942 70 W	RX7s	6700 lm		19 LS 5149	
	Philips CDM-TD	830 70 W	RX7s	6500 lm		19 LS 5037	
		942 70 W	RX7s	6000 lm		19 LS 5054	



Accessories

Lamp

High-pressure metal halide lamp with ceramic burner



							Article numbers
 	Osram HCI-TS		830	150 W	RX7s-24	14800 lm	19 LS 5150
			942	150 W	RX7s-24	14200 lm	19 LS 5151
	Philips CDM-TD		830	150 W	RX7s-24	13250 lm	19 LS 5038
			942	150 W	RX7s-24	14200 lm	19 LS 5056

 	Philips CDM-TP	for luminaires without safety galls	830	70 W	PG12-2	5800 lm	d = 25mm	19 LS 5095
		for luminaires without safety galls	942	70 W	PG12-2	5800 lm	d = 25mm	19 LS 5012


 	Philips CDM-TP	for luminaires without safety galls	830	150 W	PGX12-2	13000 lm	d = 25mm	19 LS 5097
		for luminaires without safety galls	942	150 W	PGX12-2	12000 lm	d = 25mm	19 LS 5017




High-pressure metal halide lamp with quartz burner

 	Osram HQI-T		730	70 W	G12	5300 lm	19 LS 5014
			730	150 W	G12	13000 lm	19 LS 5015
			842	70 W	G12	5800 lm	19 LS 5024
			842	150 W	G12	13000 lm	19 LS 5025

High-pressure sodium vapour discharge lamp


	Philips SDW-TG	for electronic ballast only	825	50 W	PG12-1	2400 lm	19 LS 5100
		for electronic ballast only	825	100 W	PG12-1	4900 lm	19 LS 5101

	Philips SDW-T	for conventional ballast only	825	50 W	PG12-1	2300 lm	19 LS 5003
		for conventional ballast only	825	100 W	PG12-1	5000 lm	19 LS 5004


Accessories


Lamp


Fluorescent lamp


						Article numbers
		827	39 W	G5	3100 lm	19 LL 5201
		830	35 W	G5	3300 lm	19 LL 5443
		827	39 W	G5	3100 lm	19 LL 5102
		830	39 W	G5	3100 lm	19 LL 5200
		830	49 W	G5	4300 lm	19 LL 5203
		830	54 W	G5	4450 lm	19 LL 5100
		840	35 W	G5	3300 lm	19 LL 5444
		840	39 W	G5	3100 lm	19 LL 5210
		840	49 W	G5	4300 lm	19 LL 5204
		840	54 W	G5	4450 lm	19 LL 5105


Compact fluorescent lamp


	TC-DEL/G24q-2	for electronic ballast only	827	18 W	G24q-2	1200 lm	19 LL 2118
		for electronic ballast only	830	18 W	G24q-2	1200 lm	19 LL 2018
		for electronic ballast only	840	18 W	G24q-2	1200 lm	19 LL 2218


	TC-DEL/G24q-3	for electronic ballast only	827	26 W	G24q-3	1800 lm	19 LL 2126
		for electronic ballast only	830	26 W	G24q-3	1800 lm	19 LL 2026
		for electronic ballast only	840	26 W	G24q-3	1800 lm	19 LL 2226

	TC-L/2G11		827	18 W	2G11	1200 lm	19 LL 1019
			827	24 W	2G11	1800 lm	19 LL 1039
			827	36 W	2G11	2900 lm	19 LL 1038
			827	55 W	2G11	4800 lm	19 LL 1051
			830	18 W	2G11	1200 lm	19 LL 1018
			830	24 W	2G11	1800 lm	19 LL 1024
			830	36 W	2G11	2900 lm	19 LL 1036
			830	55 W	2G11	4800 lm	19 LL 1055
			840	18 W	2G11	1200 lm	19 LL 1017
			840	24 W	2G11	1800 lm	19 LL 1034
		840	36 W	2G11	2900 lm	19 LL 1037	
		840	55 W	2G11	4800 lm	19 LL 1052	

	TC-SEL/2G7	for electronic ballast only	827	11 W	2G7	900 lm	19 LL 2111
		for electronic ballast only	830	11 W	2G7	900 lm	19 LL 1811
		for electronic ballast only	840	11 W	2G7	900 lm	19 LL 2211

	TC-TEL/GX24q-4	for electronic ballast only	827	42 W	GX24q-4	3200 lm	19 LL 1942
		for electronic ballast only	830	42 W	GX24q-4	3200 lm	19 LL 1842
		for electronic ballast only	840	42 W	GX24q-4	3200 lm	19 LL 1742

	TC-TEL/GX24q-3	for electronic ballast only	827	26 W	GX24q-3	1800 lm	19 LL 1926
		for electronic ballast only	827	32 W	GX24q-3	2400 lm	19 LL 1632
		for electronic ballast only	830	26 W	GX24q-3	1800 lm	19 LL 1826
		for electronic ballast only	830	32 W	GX24q-3	2400 lm	19 LL 1532
		for electronic ballast only	840	26 W	GX24q-3	1800 lm	19 LL 1726
		for electronic ballast only	840	32 W	GX24q-3	2400 lm	19 LL 1432
	Osram IN PLUS	for electronic ballast only	827	26 W	GX24q-3	1800 lm	19 LL 2726
		for electronic ballast only	827	32 W	GX24q-3	2400 lm	19 LL 2732
		for electronic ballast only	830	26 W	GX24q-3	1800 lm	19 LL 2826
		for electronic ballast only	830	32 W	GX24q-3	2400 lm	19 LL 2832
		for electronic ballast only	840	26 W	GX24q-3	1800 lm	19 LL 2926
		for electronic ballast only	840	32 W	GX24q-3	2400 lm	19 LL 2932

	TC-TEL/GX24q-4	for electronic ballast only	827	42 W	GX24q-4	3200 lm	19 LL 1942
		for electronic ballast only	830	42 W	GX24q-4	3200 lm	19 LL 1842
		for electronic ballast only	840	42 W	GX24q-4	3200 lm	19 LL 1742
	Osram IN PLUS	for electronic ballast only	827	42 W	GX24q-4	3200 lm	19 LL 2742
		for electronic ballast only	830	42 W	GX24q-4	3200 lm	19 LL 2842
		for electronic ballast only	840	42 W	GX24q-4	3200 lm	19 LL 2942

Accessories

Lamp

Compact fluorescent lamp with built-in electronic ballast

TCG-SE/E27



825 15 W E27 840 lm
825 18 W E27 1060 lm



Article numbers
19 EL 1015
19 EL 1021

TC-TSE/E27



825 22 W E27 1440 lm

19 EL 2222

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Accessories

Lamp

Low voltage halogen lamp

QRCBC51IRC/GU5.3



with cool beam
IRC-technologie
and safety glass

3000 K	20 W	GU5.3	6000 cd	10 degree
3000 K	20 W	GU5.3	1000 cd	36 degree
3000 K	20 W	GU5.3	450 cd	60 degree
3000 K	35 W	GU5.3	12500 cd	10 degree
3000 K	35 W	GU5.3	4400 cd	24 degree
3000 K	35 W	GU5.3	2200 cd	36 degree
3000 K	35 W	GU5.3	1100 cd	60 degree
3000 K	50 W	GU5.3	15000 cd	10 degree
3000 K	50 W	GU5.3	5700 cd	24 degree
3000 K	50 W	GU5.3	2850 cd	36 degree
3000 K	50 W	GU5.3	1430 cd	60 degree

Article numbers

19 HN 6320
19 HN 6325
19 HN 6330
19 HN 6335
19 HN 6340
19 HN 6345
19 HN 6350
19 HN 6351
19 HN 6355
19 HN 6365
19 HN 6370

QT-LP12/GY6.35



3000 K	35 W	GY6.35	600 lm
3000 K	50 W	GY6.35	910 lm
3000 K	75 W	GY6.35	1450 lm
3000 K	90 W	GY6.35	1800 lm
3000 K	20 W	GY6.35	320 lm

19 HN 8004
19 HN 8005
19 HN 8006
19 HN 8020
19 HN 8015

QT-LP12 IRC/GY6.35



Low pressure, IRC-
technologie

3000 K	35 W	GY6.35	900 lm
3000 K	50 W	GY6.35	1250 lm
3000 K	65 W	GY6.35	1700 lm





19 HN 8007
19 HN 8008
19 HN 8009



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Accessories

Lamp

Halogen reflector lamp

							Article numbers
QPAR16/GU10		2900 K	50 W	GU10	950 cd	35 degree	19 AP 3200
 							
QPAR30/E27	with faceted aluminium reflector	2900 K	75 W	E27	6900 cd	10 degree	19 AP 3001
 		2900 K	75 W	E27	2200 cd	30 degree	19 AP 3002
		2900 K	100 W	E27	10000 cd	10 degree	19 AP 3020
		2900 K	100 W	E27	3500 cd	30 degree	19 AP 3021
	with faceted cool beam reflector	2900 K	75 W	E27	7500 cd	10 degree	19 AP 3010
		2900 K	75 W	E27	2400 cd	30 degree	19 AP 3011

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ISO 9001 / ISO 14001

All processes in our company are subject to a comprehensive management system which corresponds with the ISO 9001 quality standard and the ISO 14001 environment standard.

The BSI Management Systems und Umweltgutachter GmbH (certification and environmental management auditor) regularly checks this system and certifies with a certificate that the standards are fulfilled.

General remarks

With the appearance of this catalogue all previous documentation becomes invalid.

We reserve the right to make technical and formal alterations.

Our luminaires are being constantly adapted to technical innovations. For our internal logistic control additional identification marking of the article numbers is therefore necessary which slightly deviates from the article number in the catalogue list. The product dispatched does, however, comply in all cases with the latest technical standards.

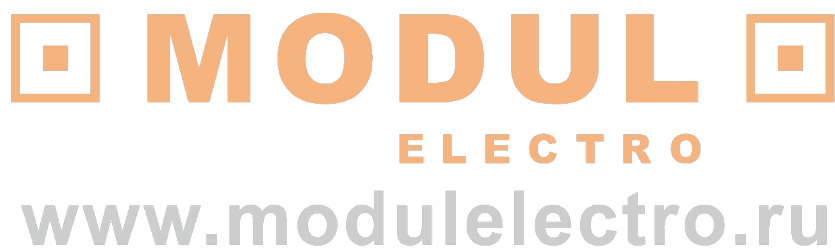
Example: **02 ABC 123** - _ _ -**401**
Art. No. Production status Colour code

The production status code is not activated for the purchase order!

As a matter of principle, all luminaires are supplied without lamps.

Our general conditions of delivery and sale are valid for all orders.

On our Web site you can find our current product information under www.ansorg.com.



Photography

Aston Martin, Warwick
Joel Barbita, Dmax Photography, Perth
Blocher, Blocher und Partner, Stuttgart
Diesel Italia, Molvena
Hans-Georg Esch, Hennef
Friedhelm Grosse, Oberhausen
Marketing-Jazz, Madrid
Vincent Murraciale, Paris
Jens Pfisterer, Leinfelden-Echterdingen
Stijn Poelstra, Delft
Max Schulz, Mülheim
Christian Tepper, Hanover
Oliver Tjaden, Düsseldorf
Tobias Trapp, Oldenburg
Gerry Weber International AG, Halle

Concept and layout

Office for Design, Basel
Riegel + Reichenthaler, Düsseldorf
Illustration: Heinke Grafik, Hamburg

Production

Lonnemann GmbH, Selm

Germany

Ansorg GmbH
Pilgerstraße 11
D - 45473 Mülheim an der Ruhr
T +49 (0)208 48 46 0
F +49 (0)208 48 46 1200
info@ansorg.com

France

Ansorg SARL
3, rue Caroline
F - 75017 Paris
T +33 (0)1 44 69 95 10
F +33 (0)1 44 69 95 11
info-fr@ansorg.com

Spain

Ansorg Spain
Marqués de Villamejor, 5
E - 28006 Madrid
T +34 91 575 51 59
F +34 91 578 32 17
info-es@ansorg.com

Ansorg Spain
Plaza Comercial 5
E - 08003 Barcelona
T +34 93 268 87 05
F +34 93 268 87 02
info-es@ansorg.com

Italy

Ansorg SRL
Via IV Novembre, 6/C
I - 35010 Limena (PD)
M +39 346 521 54 13
info-it@ansorg.com

United Kingdom

Ansorg Ltd.
Units 315/316
Business Design Centre
52 Upper Street
Islington
GB - London
NI 0QH
T +44 (0)20 72 88 96 10
F +44 (0)20 73 54 10 21
info-gb@ansorg.com

The Netherlands

Ansorg B.V.
Gebouw 20
De Oude Molen 4
NL - 1184 VW Ouderkerk
aan de Amstel
T +31 (0)20 5 69 38 40
F +31 (0)20 5 69 38 41
info-nl@ansorg.com

Switzerland

Ansorg AG
Klünenfeldstraße 22
CH - 4127 Birsfelden
T +41 (0)61 376 15 12
F +41 (0)61 376 15 07
info-ch@ansorg.com

Norway

Ansorg AS
Post Box 25, Sagene
N - 0415 Oslo
M +47 908 42 041
info-no@ansorg.com

Sweden

Ansorg AB
P.O. Box 204
S - 746 39 Bålsta
T +46 (0)171 469 888
F +46 (0)171 469 880
info-se@ansorg.com

United Arab Emirates

Ansorg GmbH Dubai Branch
Bldg. Sheikha Sana Mana al
Maktoum
Office M8 Al Wasl
Sheikh Zayed Road
P.O. Box 214771
Dubai, UAE
T +971 (0)4 321 92 03
F +971 (0)4 321 92 04
info-ae@ansorg.com

India

Ansorg India Private Limited
305 Jaswanti Landmark
Mehara Compound
L B S Road
Vikhroli (W)
Mumbai 400 079
India
T +91 (0)22 4012 97 62/63
F +91 (0)22 4012 98 04
info-in@ansorg.com

Ansorg in Australia

Distributed by
Radiant Lighting
10 Gibberd Road
Balcatta
AUS - Western Australia 6021
T +61 (0)8 9240 22 27
F +61 (0)8 9240 11 78
sales@lclrl.com.au
www.lclrl.com.au

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www.mosaiceins.com

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Ansorg GmbH
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D - 45473 Mülheim an der Ruhr
T +49 (0)208 48 46 0
F +49 (0)208 48 46 1200
info@ansorg.com