



LIGHT
MACHINES
FOR **SALES**
INCREASING



LUG[®]

LUG RETAIL applications catalogue

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Invite your client



What do your customers expect when coming into to the store? They want to feel special, experience a specific kind of emotions, get away from their everyday life. The better the conditions provided, the more eager they are to make a purchase.

There are many factors that contribute to favourable conditions for shopping. Lighting is undoubtedly one of the most important and in the hands of commercial centre owners constitutes an excellent marketing tool.

A store should be inviting, give the customer a feeling of comfort and, with its decor, interior and lighting arrangement, encourage the customer to make purchases.

The choice of lighting solutions should be determined by the character of the store, the range of products sold, brand positioning and its target market.

These criteria are analysed in the earliest stages of lighting design. Well arranged lighting significantly enhances and emphasizes the aesthetic values of offered products and is an indispensable element which facilitate sales and lead to expected clients' behaviour.

LIGHT MACHINES FOR SALES INCREASING

LUG - an expert in lighting

LUG is a leading manufacturer of professional luminaires and lighting systems which are characterized by high technical parameters, energy-efficiency and state-of-the-art design.

LUG is a company listed at the New Connect market of the Warsaw Stock Exchange since 2007.

LUG has 25 years of experience in the professional luminaire market.

LUG is a recommended partner of international manufacturers like Philips and OSRAM.

LUG is recommended by SARP as an architect-friendly company .

LUG is a global brand. Our solutions light the interiors of buildings and create illuminations in more than 50 countries worldwide.

LUG has its own research and development centre and luminaire laboratory.

5 subsidiaries
around the world

25 years
of experience

50 distribution markets
worldwide





LONDON

PARIS

DUBAI

SAO PAULO

BERLIN

SHOWROOMS

LUG for RETAIL – an international approach

LUG has been building its position for 25 years. Our goal is to be close to our customers and be able to meet their expectations. We have been working with our partners via our trade offices for years. To ensure reliability and flexibility of our services, we decided to take root in the countries we operate in.



LUG SHOWROOM SAO PAULO

In April 2013, LUG established a subsidiary in Brazil, LUG do Brazil Ltda. The subsidiary is a competence centre for our clients from North and South America. LUG do Brazil promotes LUG and FLASH DQ brands in the American market and provides professional knowledge about lighting technology.

In September 2013, after two years of operation of the London trade office, LUG established another subsidiary, LUG Lighting UK Ltd.

In 2014 we opened a new LED Lighting Solutions Showroom in Paris. A visit there is a great opportunity for architects and lighting designers to appreciate the innovations of LED technology.



LUG SHOWROOM PARIS

RETAIL requires special approach

100 LUMENS WATT

LUGSTAR HI-CRI LED



LUGSTAR PREMIUM LED



LUGCLASSIC p/t LED



LUGTRACK LED



ATLANTYK STRONG LED



LED technology is the future, and as a matter of fact it has already turned into the present of lighting industry. The prognosis is that in 2015 the market share of LED technology in lighting will be 45%, and by 2020 it can rise up to 70%.

LED lighting is currently the most efficient way to illuminate any application, and when combined with intelligent lighting control systems can bring energy costs down by as much as 70%.

*„Thanks to our 100lm/W technology
we are able to save even up to 70% of energy.“*

Mariusz Ejsmont
V-ce President, Technical Director
LUG Light Factory



RETAIL requires special approach

RETAIL - a fusion of different goals

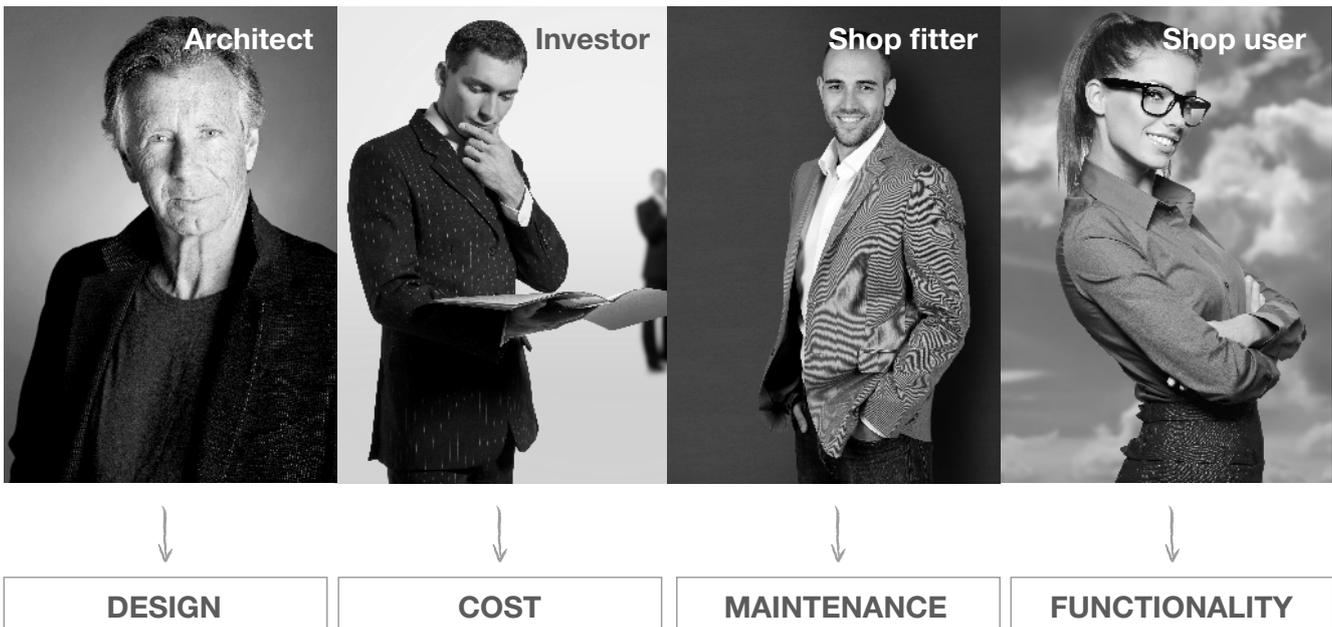
When providing lighting solutions for the RETAIL & SHOPPING segment, the supplier faces an ambitious challenge of meeting the demands and expectations of various groups of people. In the RETAIL sector, these are mainly interior architects and designers, investors, electrical installers and tenants.

Due to their excellent light parameters, outstanding efficiency and compatibility with control systems, LED solutions are a "dream come true" for architects and designers who don't have to limit their creativity anymore.

The latest lighting solutions by LUG are designed for anyone seeking the synergy of high quality, unique design and modern technology.

Investors and tenants who analyse the **Total Cost of Ownership (TCO)** will notice the fast ROI, low energy consumption and extremely long lifetime (at least 50,000 hours) of LED light sources.

The diversity of products in LUG's offer ensures high versatility and the ability to finish the store in a variety of colours to emphasize its interior design and support the brand strategy of chain stores.



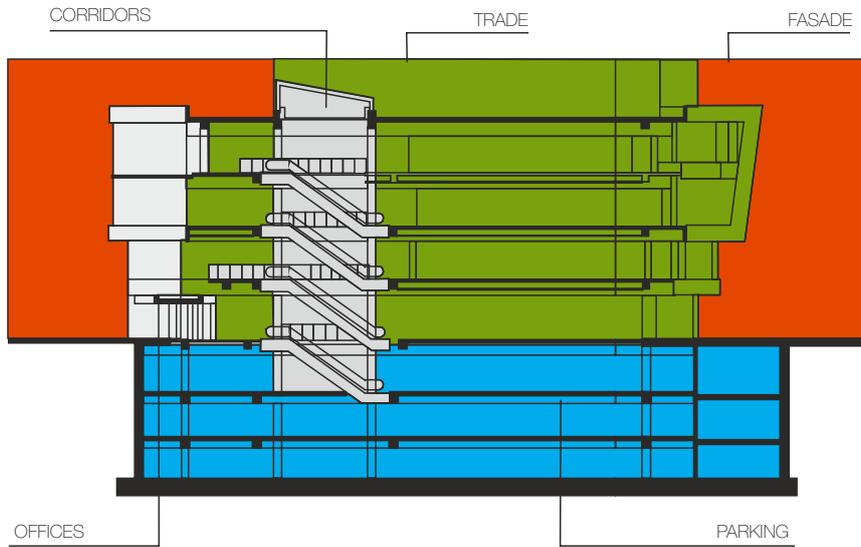
The retail space concept

What should a store of 21st century be like? Exciting, inviting, comfortable, friendly and modern. The more distinctive it is, the bigger the chances of succeeding in business are.

There is a number of factors encouraging your customers to purchase goods but without a doubt, lighting is one of the most important of them. That makes it an excellent marketing tool in the hands of retail outlets owners. By including a proper lighting project in the business strategy, the tenant can not only generate more revenue but also, thanks to the latest energy efficient solutions, reduce the costs of store illumination by up to 70%.

The choice of lighting solutions should be determined by the character of the store, the range of products sold, brand positioning and its target market.

These criteria are analysed in the earliest stages of lighting design. Properly composed lighting is essential for boosting the sales. It helps not only to highlight the types of available products, but also to give the interior a unique character, creating a friendly and comfortable atmosphere. This is what the customer expects when entering the store. The customer wants to feel special, to experience a specific kind of emotions, to break away from the everyday life routine and problems. It has been scientifically proven that the better the conditions are, the more eager the customers are to make purchases.



LIGHT MACHINES FOR SALES INCREASING

RETAIL requires special approach

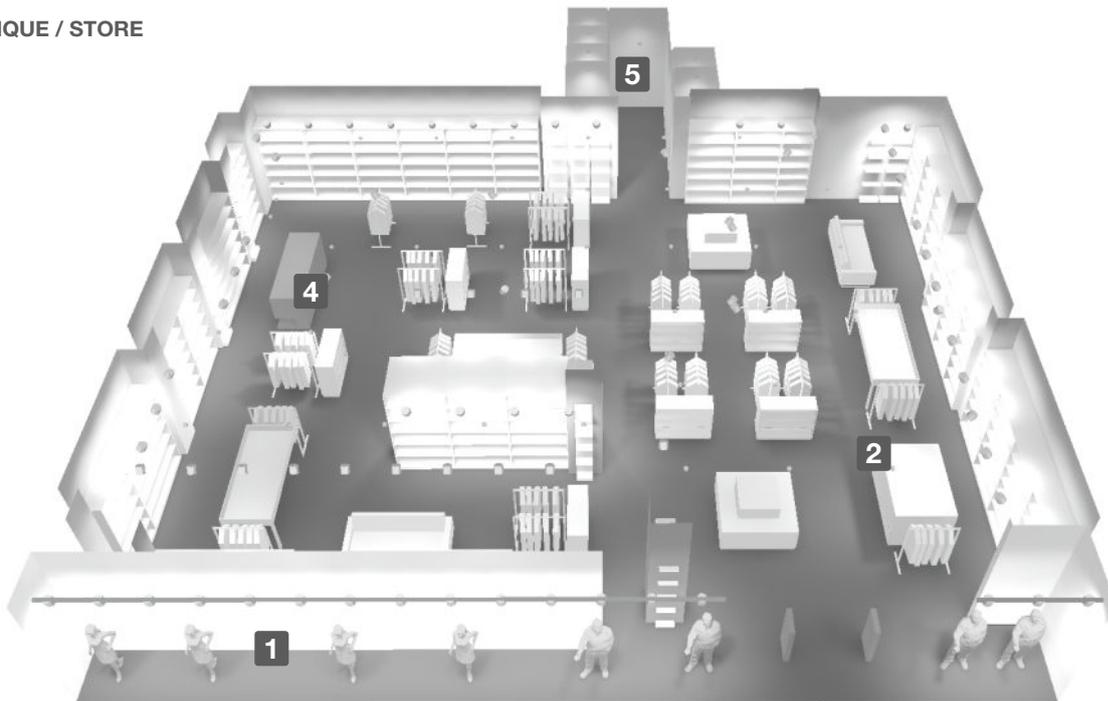
Retail objects – division of retail space

A correct diagnosis of commercial space specifics allows for the development of individual lighting systems that will properly display the goods exhibited on the shelves and hangers, illuminate such spaces as shop windows, changing rooms and cash desks in the optimal way.

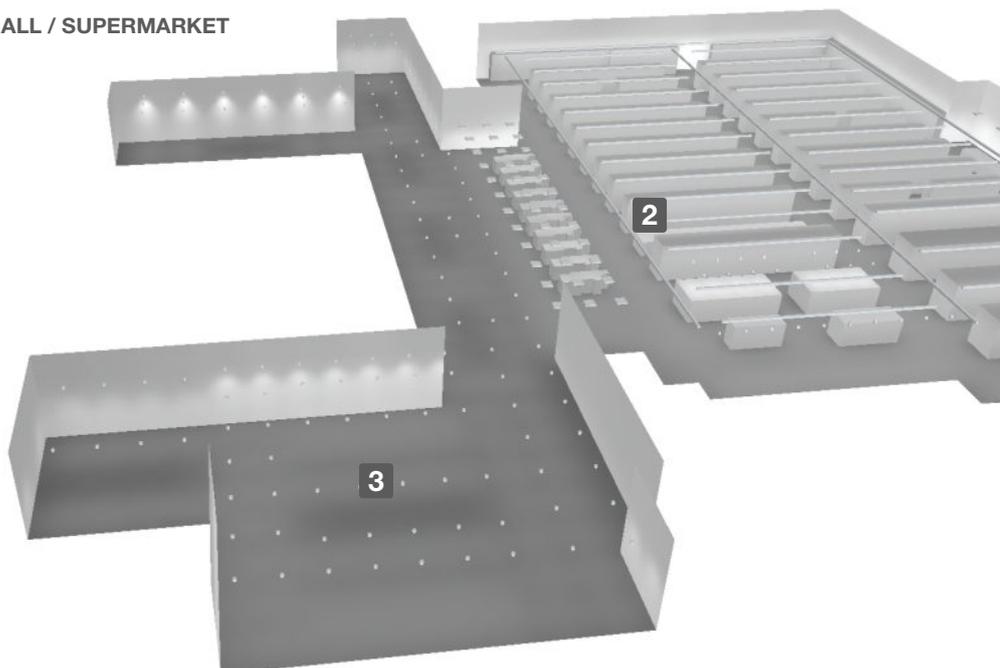
Your customers should be able to easily find their way to the desired products. They should also feel comfortable when walking into the store

to browse its offer. They should easily recognize the store layout and be able to locate the areas that interest them. Lighting can give each zone in the store its own character, ensuring the functionality of the object, at the same time maintaining consistency with brand identity. These tasks are carried out by accentual, general and decorative lighting.

BOUTIQUE / STORE



SHOPPING MALL / SUPERMARKET



1 SHOP WINDOWS

Shop windows illumination will intrigue potential customers, distinguish your shop windows among hundreds of others and encourage the customers to come in.

The light can be directed exactly where it is needed, illuminating the exposition and emphasizing its character.

To achieve the desired effect accentual lighting is used, what ensures a wide range of light beams and light sources of different parameters.



2 SHELVES

Proper lighting of shelves and shop shelving is a big challenge. Emphasized quality, correct colour rendering and appropriate targeting of the customer's attention can be achieved by using professional lighting solutions in boutiques, supermarkets and delicatessen.



3 EXHIBITION SPACES

Usually, the majority of the store serves for exhibiting goods. Therefore, its lighting should be characterized by uniformity and correct colour rendering. When moving around this part of the store, a customer should be able to notice which products are being currently promoted. Lighting can also accentuate or characterize particular store departments. Some target products on which we want to focus the attention of potential buyers may emerge from the gloom of boutique interior.



4 CASH DESKS

The place where the customers finalize purchases should ensure them that they are making a good choice. However, it is also a place of work for the store staff. Therefore, caring for mutual comfort of customers and staff is an important aspect.

It is necessary to provide lighting that gives a pleasant and interesting atmosphere and at the same time is consistent with the assumptions of the brand.



5 CHANGING ROOMS

The changing rooms are a rather special place in the store. They require a friendly, even intimate, atmosphere so that the customer can feel comfortable.

Lighting should provide a sense of comfort for the customer and at the same time emphasize the qualities of your product.

A common problem of increased temperature in the changing rooms can be effectively eliminated by choosing LED lighting.



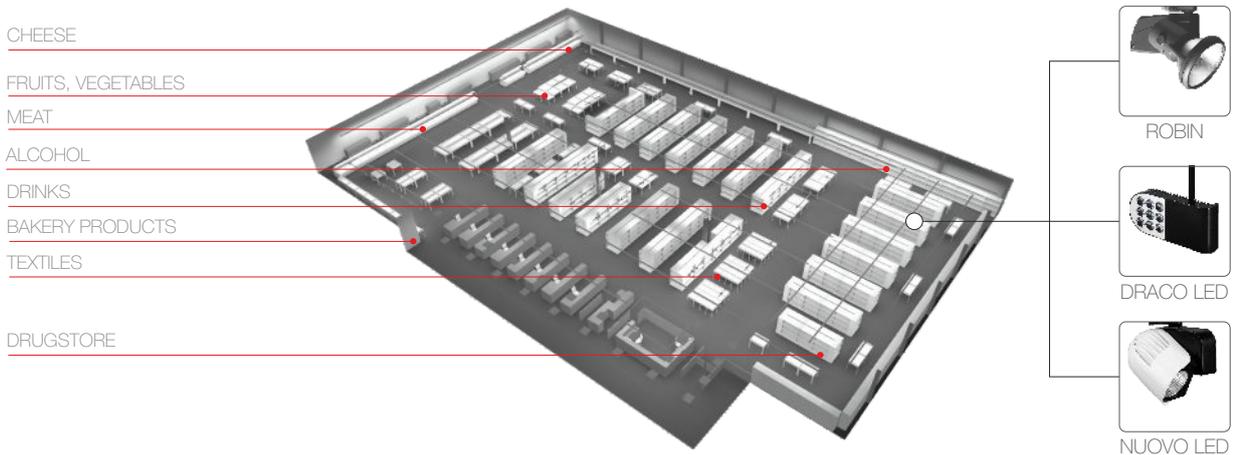
Lighting management

Plan the lighting of your store

The entrance to a store should encourage the customers to get familiar with its offer. The customers should be able to easily find the products they are looking for or the specially featured products. What is more, they should feel comfortable when going further into the store to browse its offer. They need to be able to correctly identify the store's arrangement and to locate their areas of interest.

Lighting is able to give every zone in the store its own character, as well as to ensure consistency with the surroundings. It can also highlight the brand identity.

This goal is achieved by using accentuating as well as general and decorative lighting.



Important factors in RETAIL lighting

CRI (Color rendering index)

One must remember that the primary task of lighting in commercial spaces is to present the goods in an attractive way. Achieving the desired effect relies on good colour reproduction and contrast. Therefore, light sources with CRI of about 80 or 90 should be used in such spaces. The maximum value of CRI (100) is assigned to the ideal source of light or the sun.



LOR (Lumen output ratio)

According to DIN/EN 13032/2, LOR is "the ratio of the luminous flux of the luminaire to the lumens of the lamps used".

This is calculated by dividing the luminous flux of the luminaire by the sum of luminous flux of all its light sources.

For standardization purposes the reference measurements are made in lab conditions, the most important one being a constant temperature of 25 degrees Celsius.

$$\text{LOR} = \frac{\text{Output of luminaire}}{\text{Output of lamp}}$$

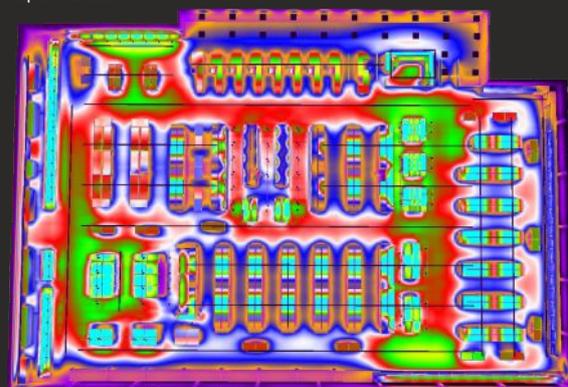
Light intensity distribution

The light intensity colour graph shows the distribution of light in different parts of the store.

An important factor in creating the interior's atmosphere is correct light intensity distribution, depending on the atmosphere we wish to create, elements we want to highlight, while simultaneously maintaining the interior's clarity, so that the customer does not feel lost.

The correct balance of these parameters is one of the key factors to reaching a success in sales of your products.

Supermarket



illuminance [lx]



The concept of shop lighting - brand value identity

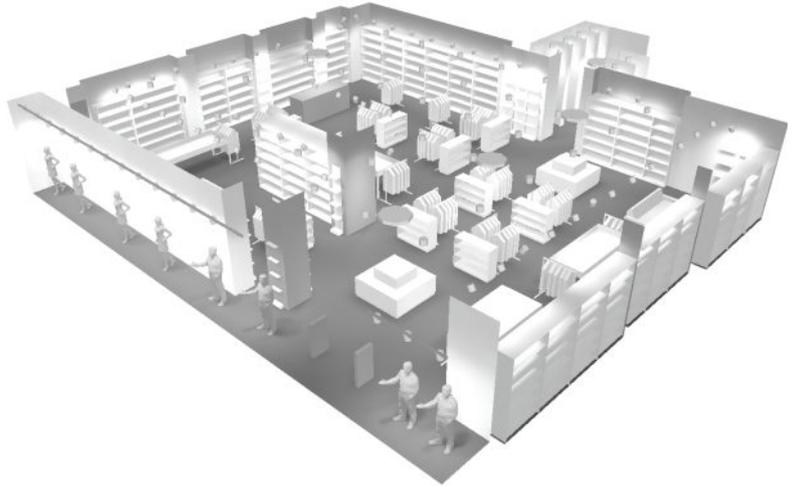
Among the things that first draw the attention of a potential customer are: unique interior design, high-quality equipment and a comfortable atmosphere in the store.

At the stage of developing the key values of the store brand, architects and designers carefully analyse all of the investor's expectations, goals and objectives in terms of positioning the store on the market. These are later included in a harmonious, complete concept of standard interior furnishing in a commercial facility.

Each store brand requires an individual selection of lighting solutions that will not only meet specific utility functions, but also be part of the interior decoration. With a wide range of LUG lighting solutions, we can freely create the store space by choosing lighting in the economic concept (luminaires in conventional technologies), standard concept (LUG luminaires, e.g. LED technology) or exclusive concept (Flash DQ luminaires).

Visualizations and lighting projects provide an idea of the final effect and allow to understand the point of view of the interior designer. The investors may adjust the project at any time to meet their needs and expectations or even submit the concept of visual identification of the interior and store equipment to tenants or franchisees. Adoption of one particular standard of lighting concept, characteristic for the particular store brand is extremely important for brand image creation.

Obviously, the customer's first impression upon entering the store cannot be repeated afterwards...



EXCLUSIVE

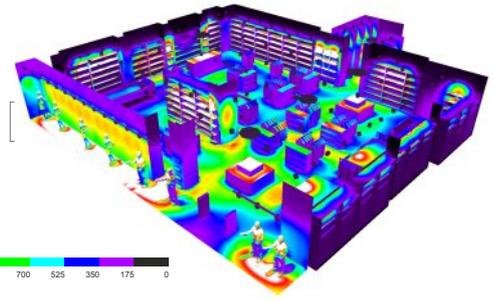
LUGSTAR PREMIUM LED



NUOVO LED



TLON

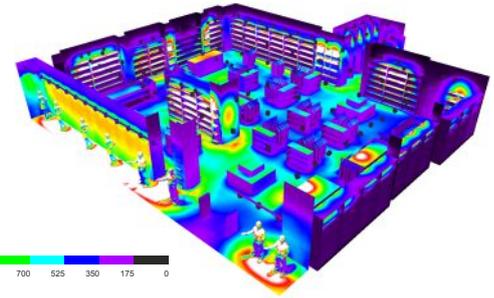


STANDARD

LUGSTAR PREMIUM LED



MARION

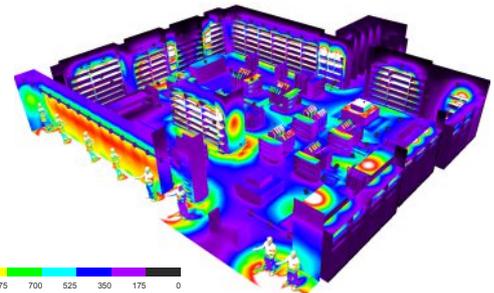


ECONOMIC LED

PICO R LED



ROBIN

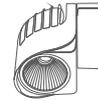


Lighting management

Product exposition

To achieve a proper product lighting it is extremely important to select an appropriate light distribution angle for the spotlight. A more focused light will draw attention to the most important elements of a product and will prevent the customers from getting distracted.

Beam angles



Control systems

DALIeco

Lighting control systems allow to easily adjust the lighting, with the possibility of implementing various light scenes and adjusting the level of light output depending on the amount of daylight and presence of people in the room.

You can connect up to 32 DALI SE, 6 sensors and 4 switches using the DALIeco driver. The integration of additional sensors and switches using the DALI line is simple and user-friendly.

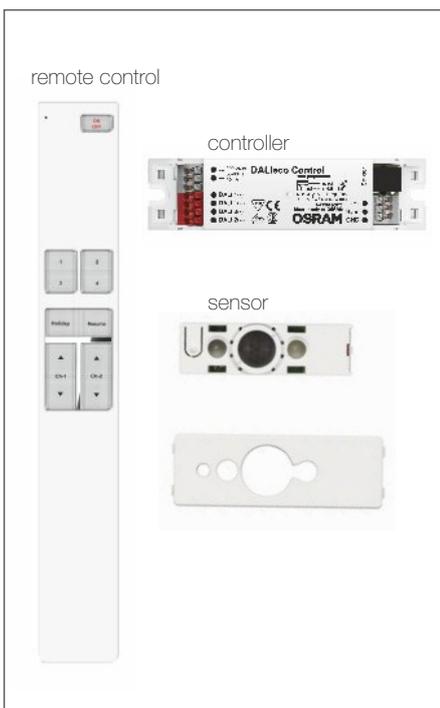
DALI PROFESSIONAL System

with 4 wires, the interactive DALI (DALI SE 256) is adapted to complex applications: lighting control, adjustment of light intensity according to the amount of daylight and control of dynamics. Configuration and start-up of the system is easy. Thanks to the connection of sensors - DALI PRO Sensorcoupler, each motion or daylight sensor can be integrated. Control is performed using standard buttons which are connected to the DALI PRO Pushbutton Coupler connector. Control is performed via attractive and functional glass touch panels.

Easy lighting control with the possibility of adapting the colour temperature



Adjustment of light intensity according to the amount of daylight

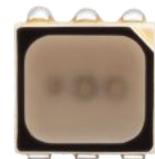




LED - new technology

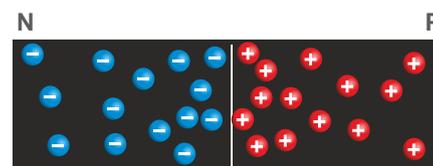


How does LED work?

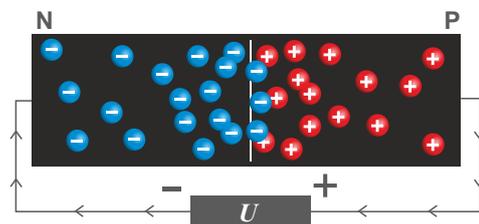


1. The light in LEDs is a consequence of an electroluminescent effect in a semiconductor material.

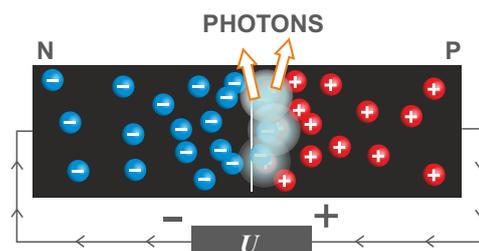
The LEDs consist of a junction composed of two different layers of semiconducting p (dominance of holes) and n-type (dominance of electrons) material.



2. The electrons flow to the p region due to the voltage applied to the p-n junction in the conduction direction.



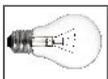
3. In the junction region the excited electrons are able to recombine with holes and release the surplus of energy in the form of photons. Nowadays, LEDs are manufactured with a strictly defined and controllable proportion of each elementary body, what allows for the production of LEDs with different spectral distribution. The following light colours are available: blue, yellow, green, orange, red.





LIGHT EMITTING DIODE

Greater possibilities



Bulb

10 lm/W



CFL

60 lm/W



Linear lamp

80-100 lm/W



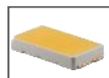
Metalhalide lamp

60-100 lm/W



Sodium lamp

80-130 lm/W



LED

90-130 lm/W - today
180 lm/W - tomorrow

Why LED?

Immediate ignition



Lumen output control

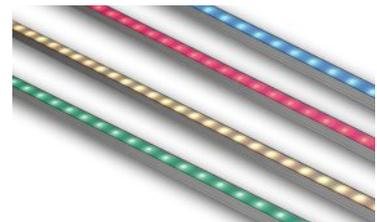


Possibility of colour temp. change

3000 K 4000 K 5000 K



Lighting scenes (special effects)



LED - new technology

How much can we save using LED technology?

ROI (Return On Investment) is a profitability indicator used in order to measure the effectiveness of investment actions. In case of lighting, ROI is calculated from the product price, cost of operation (light source replacement, maintenance, etc.) and efficacy.

In case of LED luminaires, a high initial cost of purchase is reduced by low maintenance costs and high lighting efficacy reaching up to 100 lm/W.

LED luminaires are the newest trend in store lighting also due to a longer lifespan. Owners and tenants of commercial spaces also take into account the necessity to replace light sources regularly. In case of LED light sources, the life-span reaches 50,000 hours, what significantly reduces the costs associated with light source replacement.



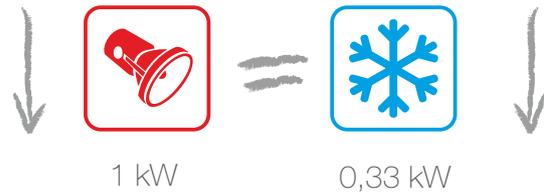
Reduction of air conditioning usage.

Energy-efficient lighting is the best and cheapest way of reducing the amount of carbon dioxide released into the atmosphere.

This reduction is made possible by using professional solutions offered by LUG. Thanks to the obtained results, they constitute a significant advantage over standard lighting solutions.

In commercial and office areas the reduction of power required for lighting goes hand in hand with the reduction of power required for air conditioning, what brings measurable benefits.

A reduction of power usage by one kW in consequence results in a reduction of air conditioning power usage by at least 0,3 kW.



The main advantages resulting from the use of LUG & LED lighting technology in commercial spaces:

- ▶ High energy efficiency of LUG solutions reached by focusing on the philosophy of maximizing the light efficacy to 100 lm/W
- ▶ Reduce operating costs with a long lifespan of up to 50,000 h, so there is no need to replace the light sources (particularly important in the case of high ceilings and hard to reach areas on the facades of buildings)
- ▶ Fast ROI - payback time after a period of 1-2 years of use for the majority of LUG lighting solutions
- ▶ Excellent colour rendering CRI > 93 (for selected solutions)
- ▶ Instant 100 % ignition prompt after start-up without having to warm up the light source
- ▶ Excellent protection of goods and reduction of air conditioning costs due to a significant decrease of heat emission compared to halogen or metalhalide lighting
- ▶ Revolutionary reduction in loss of lumen output for LED luminaires throughout their lifetime
- ▶ Passive cooling system ensures a reliable mechanical fixture and eliminates noise
- ▶ Advanced colour temperature management technology (true white)

100
LUMENS WATT

New types of light sources

The newest generation of MH lamps maintains the luminous flux longer than traditional light sources. White light which provides a strong and clear beam increases the visual attractiveness of the products. Stable light colour and luminous flux throughout the entire operation period guarantee an attractive store interior during any season of the year, simultaneously reducing the total cost of use. This is a result of exceptional lighting efficacy and longevity of the lighting systems.



POWERBALL
HCl-T Plus



POWERBALL
HCl-TC Shoplight



MASTERColour
CDM-TC Elite Light Boost

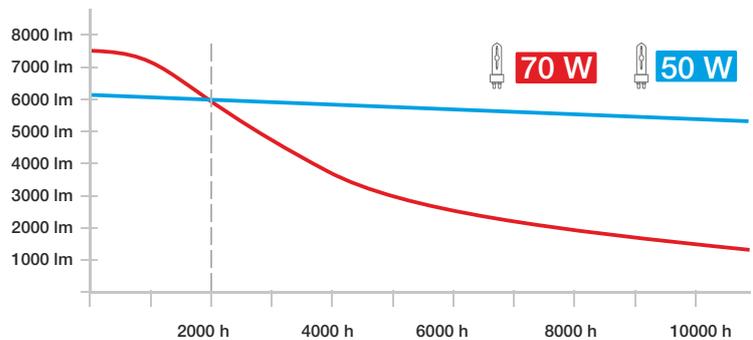
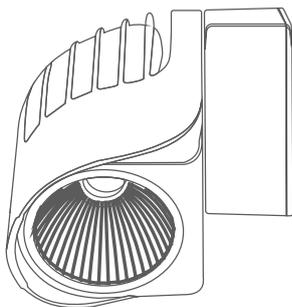


MASTERColour
CDM-T Evolution

Maintenance of light source lumens

The newest generation of metalhalogen luminaires maintain their luminous flux on a high respective level, declared by the light source manufacturers, throughout their lifespan. As a result, a 50W lamp after 2000 hours of use has the same amount of lumens as a previous generation 70W lamp.

After a longer operation time the luminous flux decreases only slightly compared to older luminaires.









BOUTIQUES





Boutique interiors

Interiors can be inviting and provide a sense of comfort and encourage shopping through their decoration and lighting arrangement. Improper illumination can produce a contrary effect. Accurately composed light spots will certainly enhance and expose the aesthetic advantages of the offered products.

An essential part of a store lighting design is the exposition of the illuminated commercial surfaces. Therefore, lighting type and style of the applied solution should be carefully adjusted to the type of displayed goods.



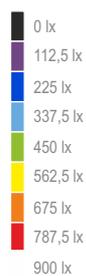
Light distribution



ROBIN spotlight 35W 12°



Wide-beam spotlight 150 W



LUGSTAR PREMIUM LED



PICO S LED



SPARK LED



WALT LED



PROXIMA



NUOVO LED



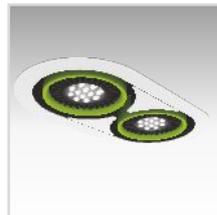
JESSIE LED



ROBIN



TETRIS



PHIOLE



TLON



HB 886





THIS IS NOW

THERE ARE THINGS THAT YOU KNOW ARE GOOD BUT YOU DON'T KNOW HOW TO GET THEM

THEY'RE NOT THE BEST BUT THEY'RE THE ONLY ONE

ARCHITECTURE EVOLVES AND THE WAY WE LIVE

THEY'RE NOT THE BEST BUT THEY'RE THE ONLY ONE

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STATE OF ART
2=1





JEWELLERY SHOPS





Jewellery and watches

Lighting of exclusive products such as jewellery and watches is a difficult task. It is necessary to emphasize their extraordinary qualities, gentleness, superior quality and individual features.

Due to its small size, jewellery requires very precise, professional accentual lighting. If the light is too bright, poorly aimed or of incorrect colour temperature, it may depreciate the quality of the product. LUG spotlight projectors perfectly highlight the noble materials and fully underline the highest quality of the displayed luxury goods.



LUGSTAR LOW-UGR LED



LUGSTAR HI-CRI LED



ROBIN MINI PLUS



FOCUS LED



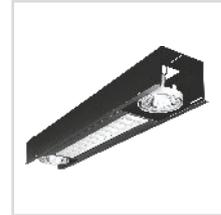
WALT LED



SPARK LED



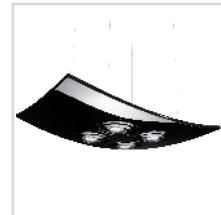
U-SYSTEM MIX MH



DIAMOND MH



SPHERE



LUGCLASSIC p/t LED









DELICATESSEN





Unique ambience

The offer of such stores as delicatessen is directed to a segment of customers who are expecting high quality solutions. Indisputably, good lighting of such stores has a positive impact on the purchasing decisions of the customers.

Appropriate exposition of products guarantees success in sales. Less aggressive lighting creates a certain impression about the interior and positive emotions.

Lighting highlights the style of the place, guides the customer through the store, creates ambient mood and introduces dramaturgy of goods display. Selecting customised and unique lighting solutions gives an advantage over the competition.



ROBIN



DRACO FOOD LED



JESSIE LED



SPARK LED



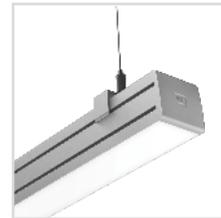
LUGSTAR ECO p/t



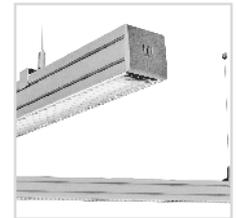
DIAMOND MH



ARGUS ONE LED



ARGUS ONE SYSTEM



U-SYSTEM MH



LUGTRACK 5 LED



LUGCLASSIC p/t LED

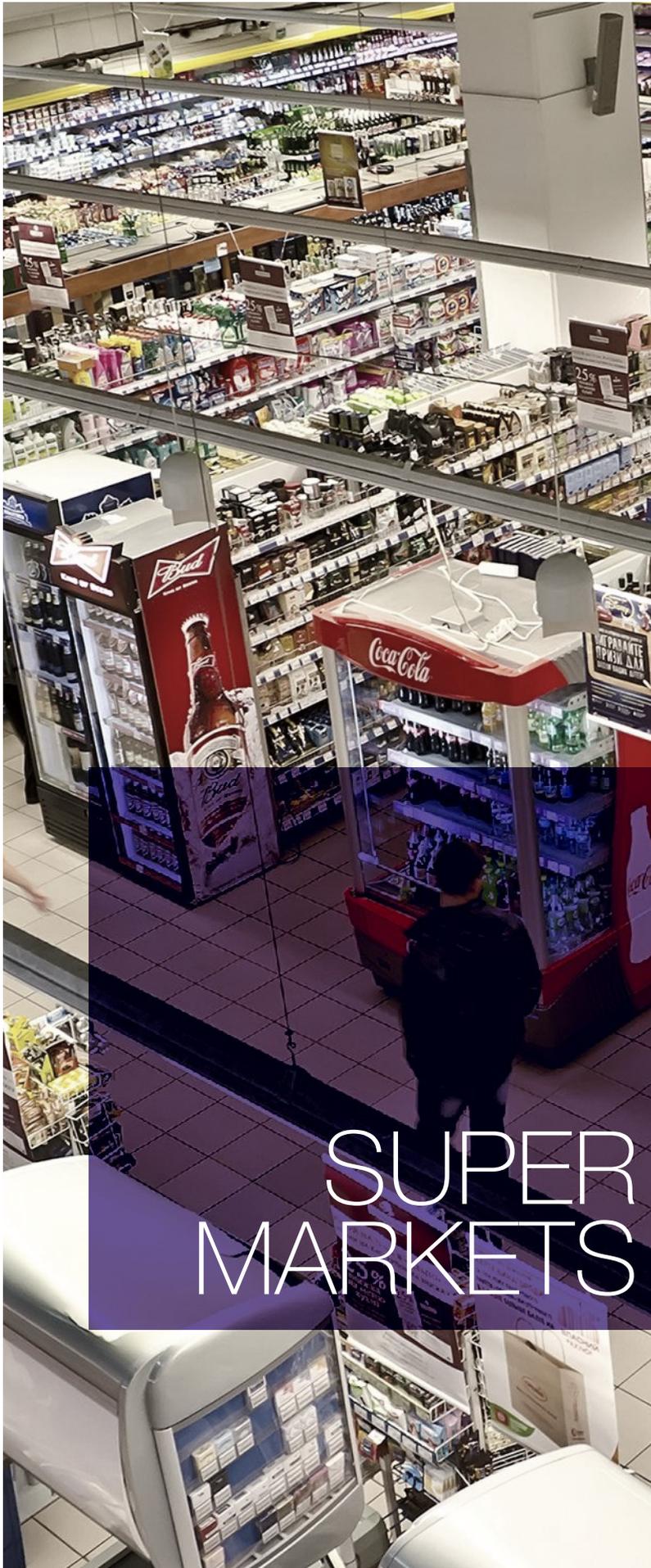


LUGSFERA PREMIUM









SUPER MARKETS





Large areas

In general, the purpose of illuminations in hypermarkets or supermarkets is to ensure safe and fast movement as well as easy recognition of the products on shelves. Lighting in supermarkets is a combination of general high efficiency lighting, high uniformity and rather cold light temperature. Such light composition stimulates and activates people who come inside and make rather rapid purchasing decisions.

High average illuminance of general lighting is a typical phenomenon in supermarkets, it usually accounts for 500-1000lx. Directing the lighting beam as well as energy-efficiency are critical factors for such applications.

ROBIN



NUOVO LED



DRACO LED



LUGCLASSIC p/t LED



LUGTRACK 5 LED



LUGTRACK 5



LUGTRACK 2 LED



LUGTRACK LENS LED









SHOPPING MALLS



Particular solutions



Design and function

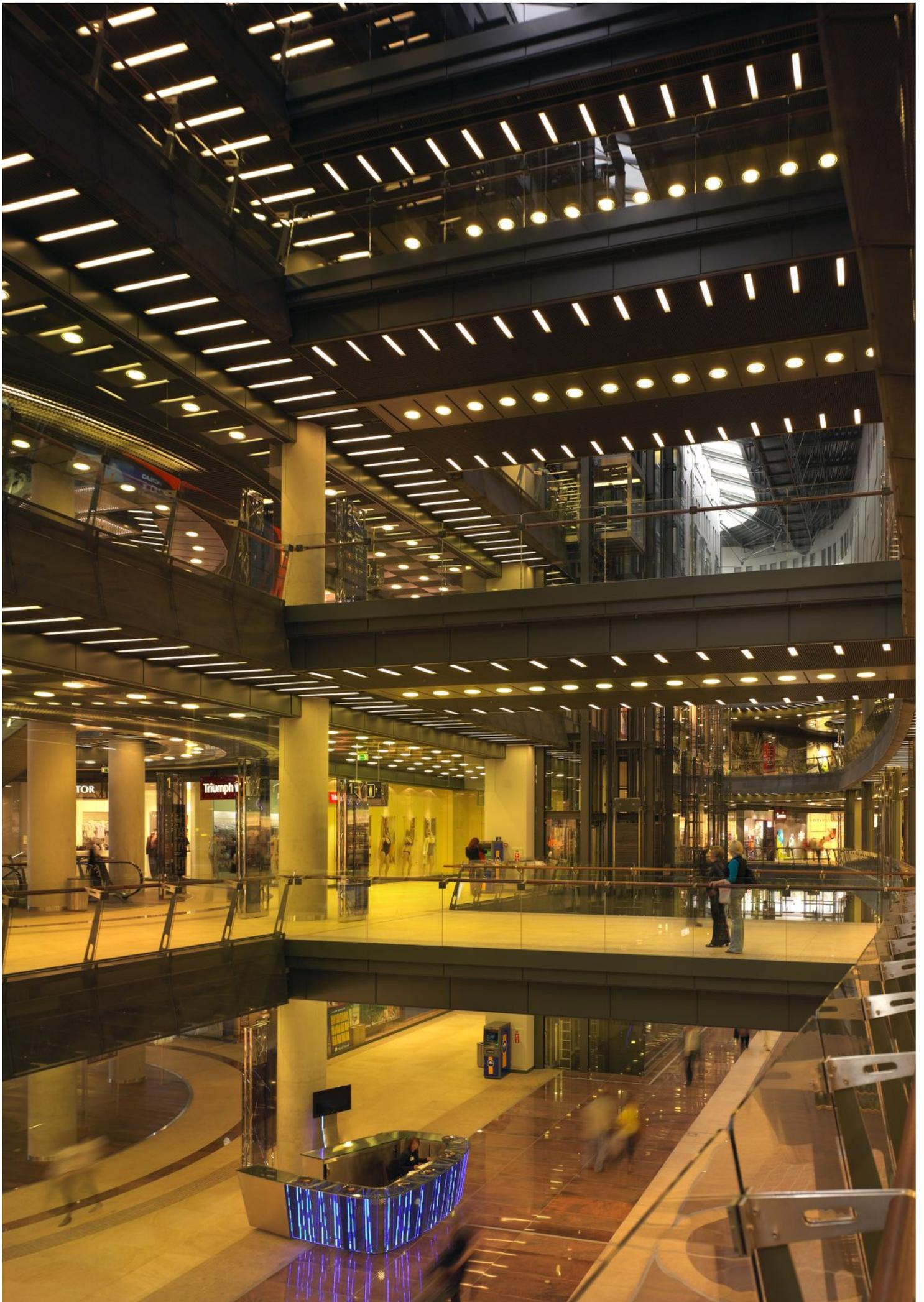
In medium and large shopping spaces aesthetic, technical as well as functional parameters of proposed solutions are critically important. This requires a compromise between the capital invested in the lighting systems and their operational costs. Investors prefer solutions which will provide a return in the future, what means that the operational costs will be reduced, thus, enhancing the aesthetical features of selected spaces.

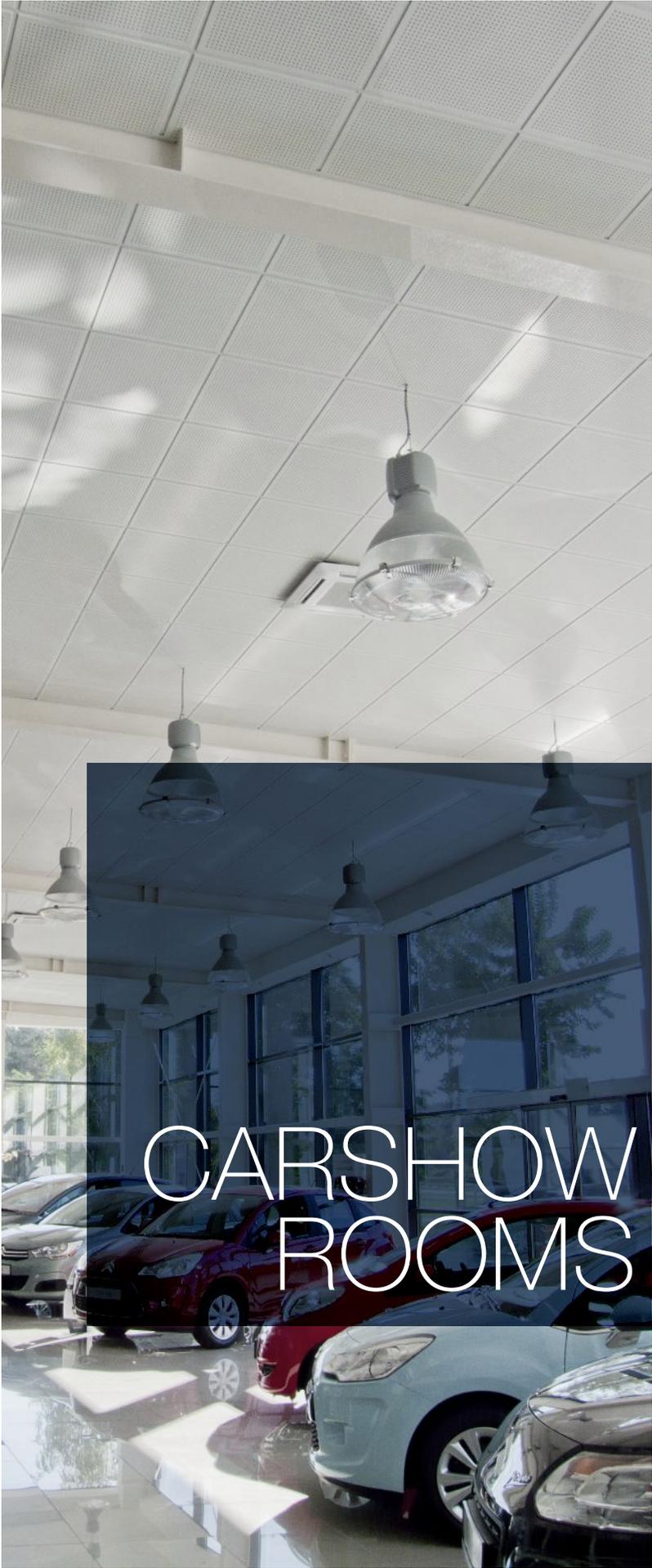
The contractor's task is to select a lighting solution that would be easy to mount and user-friendly. The selected system should be carefully thought through - it should be possible to modify and enlarge the system in the future. Energy efficiency should also be considered.

A solution that meets all the requirements and at the same time ensures the lowest energy consumption level is optimal.









CARSHOW ROOMS





Car showroom illumination

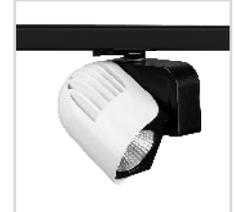
The purpose of car showrooms is not just to sell products. It is to create a sense of prestige. Luxury goods should be properly illuminated, that is why a composition of high technical parameters is so important while designing lighting. Colour rendering and high efficacy of luminaires are key factors.



PROXIMA



NUOVO LED



LUGSTAR PREMIUM LED



FOCUS LED



TLON



HB 886



SPHERE



TUBULAR



CRUISER LED



LUGSFERA PREMIUM



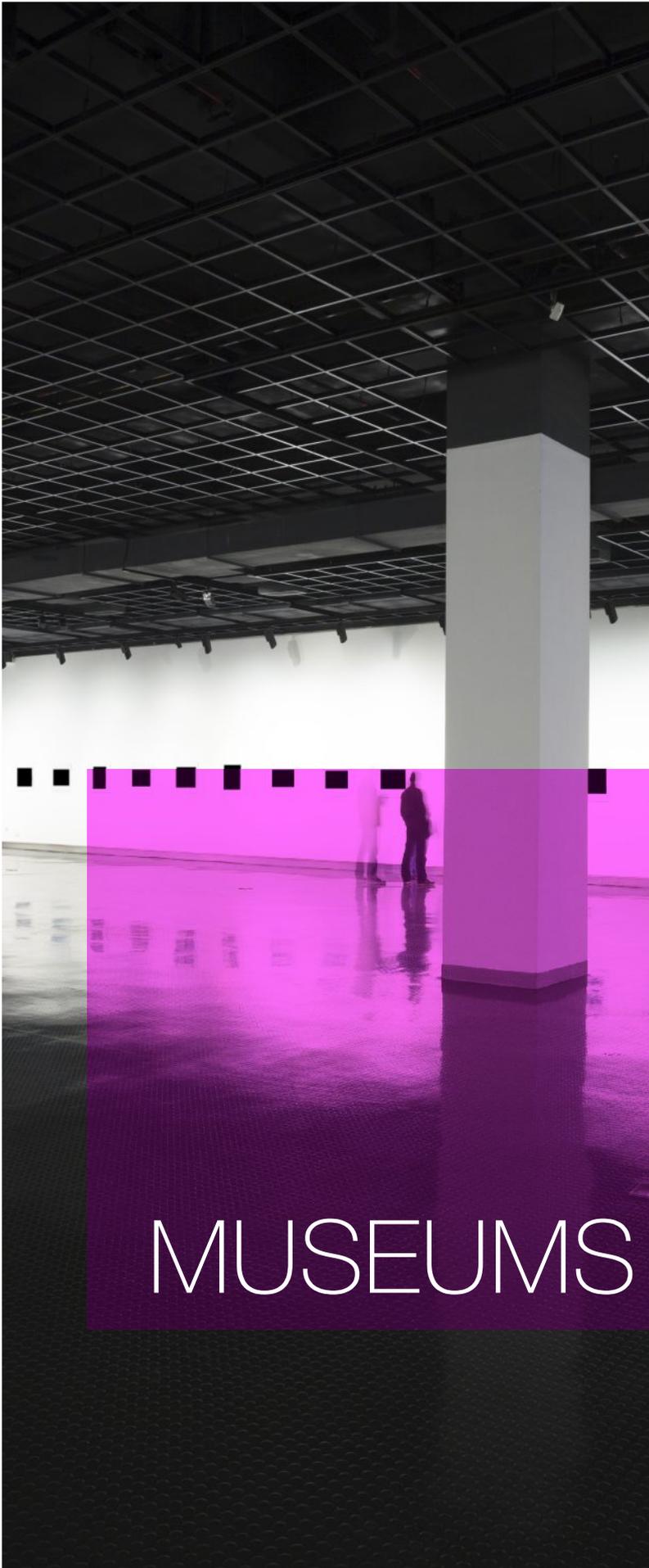




Prodaja vozila

Info pult

hit



MUSEUMS





Presentation of art

Museums are unique places where the past meets the present in order to pass knowledge and experience on to new generations. Lighting used in such objects is designed not only to highlight the qualities of great works of art, allow for noticing the details of exhibits but also to ensure their longevity through the use of appropriate lighting technology.

In order to fully appreciate all the qualities of artworks such as paintings and sculptures it is important to apply a specialistic light source of CRI > 90 for their illumination. The perfect solution to illuminate museum exhibits is accent lighting. LUG offers a wide selection of metalhalide and LED spotlight projectors as well as downlights with a narrow-angle light distribution, that not only illuminate the exhibits but also create a desired mood.

Considering the unique requirements of lighting museum collections, LUG has developed special louvers and grids limiting UVA, UV -B and UV-C radiation, as well as reducing the temperature, thus ensuring protection against fading, yellowing and aging.



NUOVO LED



PROXIMA



ROBIN



TINO LED



DRACO LED



JESSIE LED



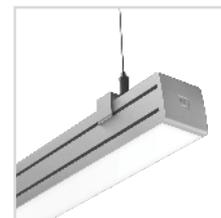
LUGSTAR LOW-UGR LED



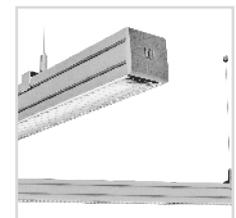
LUGSTAR HI-CRI LED



ARGUS ONE LED



ARGUS ONE SYSTEM



ATLAS LED

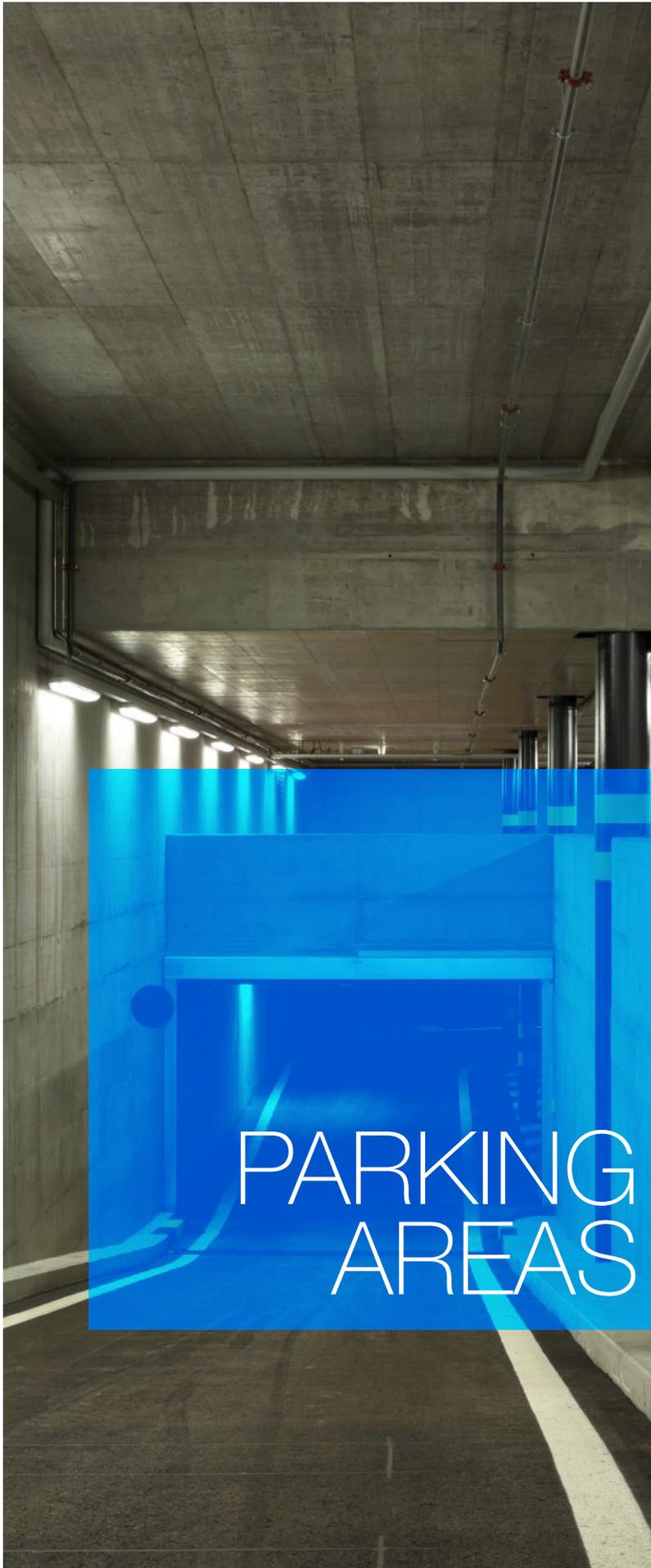


Lighting in a museum amplifies the aesthetic impressions, but it cannot distort or otherwise influence the interpretation of the displayed objects.

Lighting used in such objects is designed not only to highlight the qualities of great works of art, allow for noticing the details of exhibits but also to ensure their longevity through the use of appropriate lighting technology.

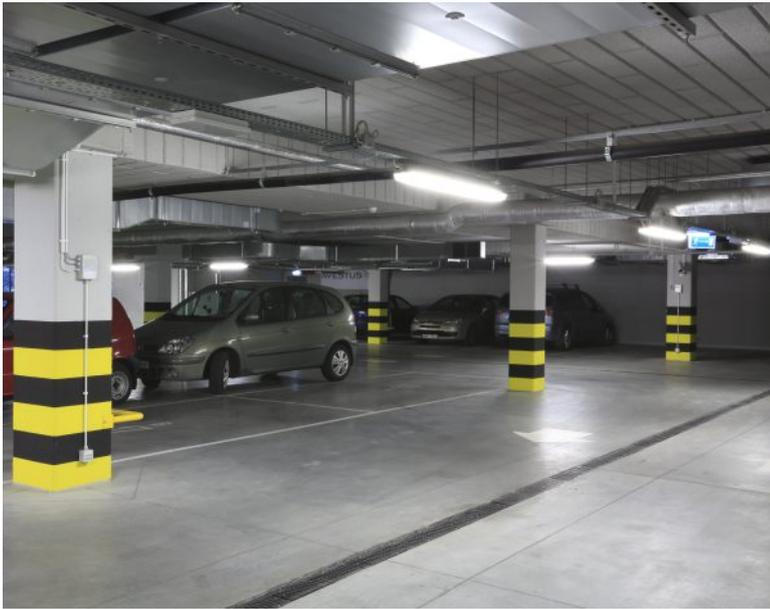






PARKING AREAS





MODENA LED



ATLANTYK STRONG LED



CRUISER LED



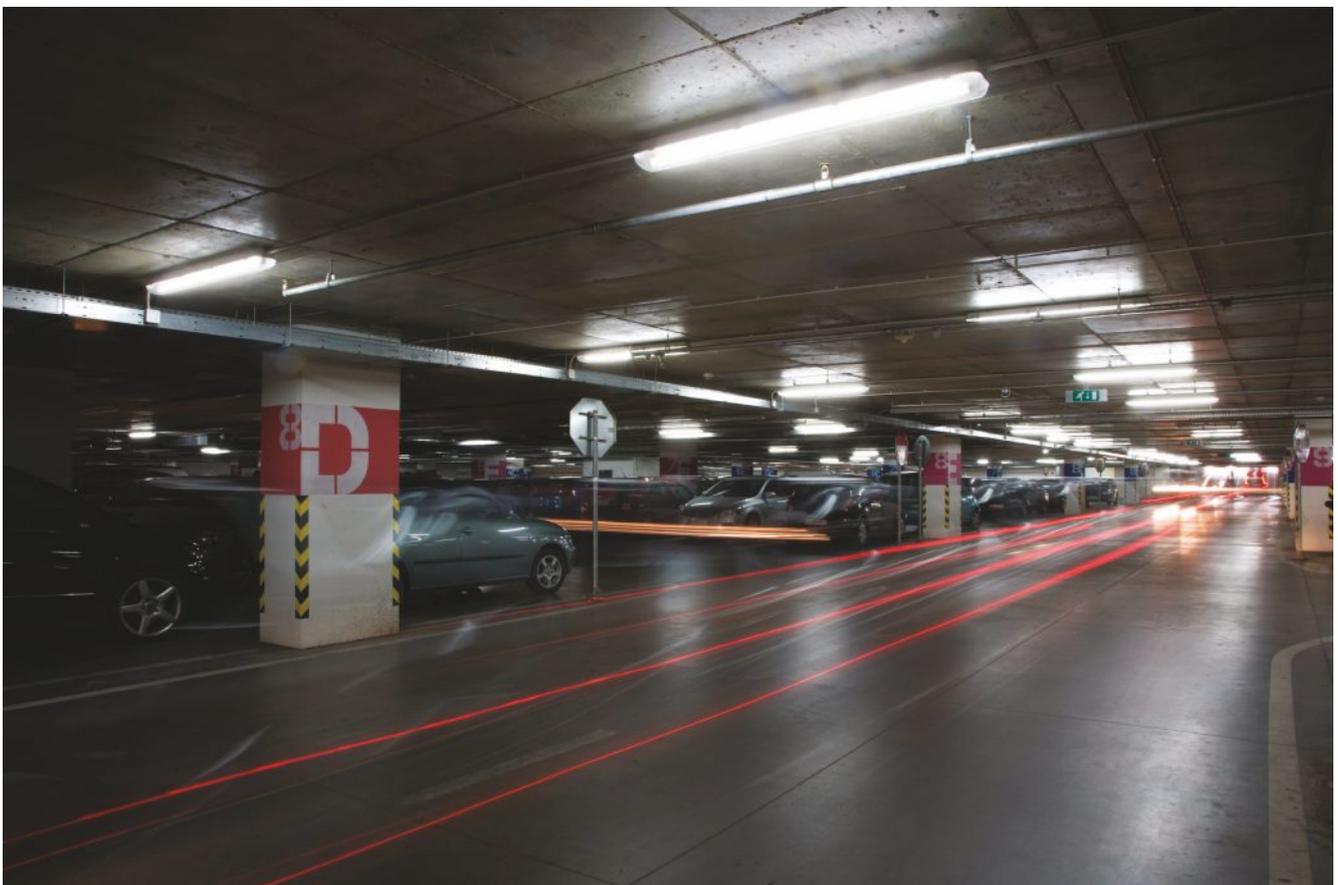
AMBRA LED



Underground

When designing lighting for shopping centres, one should remember not only about the facade but also about the external areas. The illumination of access roads and car parks should clearly indicate the way to the customers. Proper area lighting further enhances the attractiveness of the place and gives a sense of security. In many shopping centres, the car park is not on the outside, but underground.

In such cases, lighting should be designed to function flawlessly during the opening hours of the centre and often when it is closed, thus it requires significant energy efficiency, durability and reliability.









AMBIENT
AREAS





ICE CUBE 1 LED



ROTUNDA 1 LED



UMBRELLA MAX



MODENA LED



GROUNDLINE MAT LED



GROUNDLINE AS LED



The overall impression

Well-designed outdoor lighting is the best business card of a shopping mall. It may be a great element of promotion and marketing. Unique lighting of the facade and entrance emphasizes the architectural elements of the building, offers and ensures the safety and comfort of the visitors. Creative lighting makes the shopping mall more attractive to customers. This will create a promise of something exciting, unforgettable, which will increase the impression of successful shopping and money well spent. The possibilities of creating effects with the game of lights are nowadays almost endless.









NUOVO LED

Interesting design of new NUOVO LED spotlight enhances the decor of the interior. Its universality makes it suitable for lighting big shelves and allows to bring out separate piece of the display.

LED technology and passive cooling system ensure comfort of usage and low energy consumption.

Additionally NUOVO LED spotlight, in 95%, is made of recyclable components.

NUOVO LED spotlight has been appreciated by design experts - the luminaire is the finalist of 'GOOD DESIGN' competition.

LED 

 50,000h
lifetime

 5 years
warranty

SPOTLIGHTS

NUOVO LED

DESCRIPTION:

modern indoor projector, for high quality LED light sources

TECHNICAL DATA

Body: die-cast aluminum

Colour: white-black

Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 22°, 30°, 42°

ADDITIONAL INFO

Application: sales spaces, car showrooms, fashion shops, museums, galleries, displays, exhibitions



Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
02014X.5L01.03	22°	3550	2750	3000	>80	30	34	206 159 146	2,0
02014X.5L02.03	22°	3650	2850	4000	>80	30	34	206 159 146	2,0
02014X.5L01.04	32°	3550	2900	3000	>80	30	34	206 159 146	2,0
02014X.5L02.04	32°	3650	3000	4000	>80	30	34	206 159 146	2,0
02014X.5L01.05	42°	3450	2700	3000	>80	30	34	206 159 146	2,0
02014X.5L02.05	42°	3550	2750	4000	>80	30	34	206 159 146	2,0
02014X.5L03.03	22°	5200	4000	3000	>80	48	53	206 159 146	2,0
02014X.5L04.03	22°	5500	4200	4000	>80	48	53	206 159 146	2,0
02014X.5L03.04	32°	5200	4000	3000	>80	48	53	206 159 146	2,0
02014X.5L04.04	32°	5500	4200	4000	>80	48	53	206 159 146	2,0
02014X.5L03.05	42°	5200	4100	3000	>80	48	53	206 159 146	2,0
02014X.5L04.05	42°	5500	4300	4000	>80	48	53	206 159 146	2,0

¹⁾ Luminous flux tolerance + / - 10%

NUOVO SHOP LED

DESCRIPTION:

the luminaire dedicated for commercial space lighting (HI-CRI), but also, with usage of adequate LED source (FOOD technology), for product exhibition places, additional special lighting Boutiques, True Color

TECHNICAL DATA

Body: die-cast aluminum

Colour: white-black

Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 22°, 32°, 42°

ADDITIONAL INFO

Additionally available: seafood, meat, bread, vegetables and fruits, wines, cheese, HI-CRI, boutiques, True Color

Application: sales rooms: boutiques, galleries, shopping malls, car showrooms, museums, various vertical surfaces such as shelves, expositions, displays

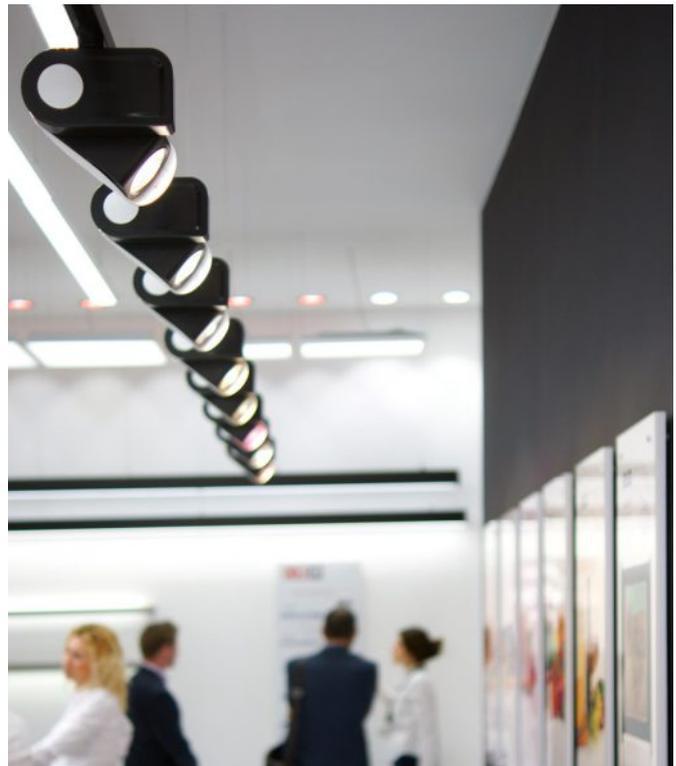


Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
HI-CRI									
020220.5L068.03	22°	3000	2400	3000	>90	30	34	206 159 104	2,0
020220.5L068.04	32°	3000	2350	3000	>90	30	34	206 159 104	2,0
020220.5L068.05	42°	3000	2450	3000	>90	30	34	206 159 104	2,0
020220.5L078.03	22°	4400	3350	3000	>90	45	50	206 159 104	2,0
020220.5L078.04	32°	4400	3150	3000	>90	45	50	206 159 104	2,0
020220.5L078.05	42°	4400	3300	3000	>90	45	50	206 159 104	2,0
Bread									
020220.5L033.03	22°	2400	1700	-	>80	45	50	206 159 104	2,0
020220.5L033.04	32°	2400	1700	-	>80	45	50	206 159 104	2,0
020220.5L033.05	42°	2400	1700	-	>80	45	50	206 159 104	2,0
Meat									
020220.5L021.03	22°	2200	1500	-	>80	45	50	206 159 104	2,0
020220.5L021.04	32°	2200	1450	-	>80	45	50	206 159 104	2,0
020220.5L021.05	42°	2200	1600	-	>80	45	50	206 159 104	2,0

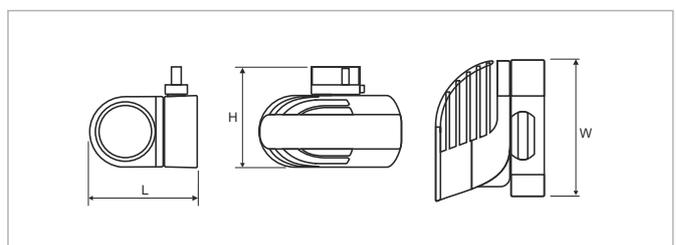
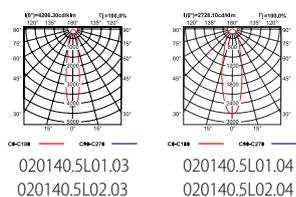
LIGHT MACHINES FOR SALES INCREASING

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] LWH	Weight [kg]
Fruit and vegetables									
020220.5L054.03	22°	3300	2200	-	>80	45	50	206 159 104	2,0
020220.5L054.04	32°	3300	2100	-	>80	45	50	206 159 104	2,0
020220.5L054.05	42°	3300	2200	-	>80	45	50	206 159 104	2,0
Cheese									
020220.5L056.03	22°	3300	2200	-	>80	45	50	206 159 104	2,0
020220.5L056.04	32°	3300	2100	-	>80	45	50	206 159 104	2,0
020220.5L056.05	42°	3300	2200	-	>80	45	50	206 159 104	2,0
Fish									
020220.5L042.03	22°	3000	2400	-	>80	30	34	206 159 104	2,0
020220.5L042.04	32°	3000	2350	-	>80	30	34	206 159 104	2,0
020220.5L042.05	42°	3000	2450	-	>80	30	34	206 159 104	2,0
Sausages									
020220.5L017.03	22°	2100	1600	-	>80	45	50	206 159 104	2,0
020220.5L017.04	32°	2100	1550	-	>80	45	50	206 159 104	2,0
020220.5L017.05	42°	2100	1600	-	>80	45	50	206 159 104	2,0
Wine, whiskey, cognac									
020220.5L055.03	22°	3300	2200	-	>80	45	50	206 159 104	2,0
020220.5L055.04	32°	3300	2100	-	>80	45	50	206 159 104	2,0
020220.5L055.05	42°	3300	2200	-	>80	45	50	206 159 104	2,0
Boutiques									
020230.5L022.03	22°	3300	2250	3250	>90	45	50	206 159 104	2,0
020230.5L022.04	32°	3300	2150	3250	>90	45	50	206 159 104	2,0
020230.5L022.05	42°	3300	2250	3250	>90	45	50	206 159 104	2,0
True Color									
020230.5L011.03	22°	3250	2450	3000	98	45	50	206 159 104	2,0
020230.5L011.04	32°	3250	2300	3000	98	45	50	206 159 104	2,0
020230.5L011.05	42°	3250	2400	3000	98	45	50	206 159 104	2,0

¹⁾ Luminous flux tolerance + / - 10%



LIGHT BEAM CURVES



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

CASE STUDY

ASSUMPTIONS

3 x retail display: 15x2,5m
 operating time: 12h/day, 350 days/year
 energy price: 0,19 €/kWh

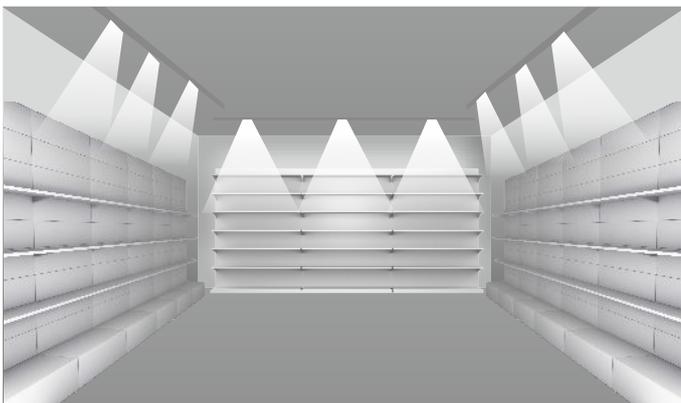
 retail display	Standard spotlight MH 70W	NUOVO LED 3000 32° 840
Luminaires quantity	30	30
Maintenance factor	0.8	0.8
Light source type	MH	LED
Efficiency	70%	100%
Efficacy [lm/W]	52	88
Luminaire output [lm]	4 760	4 200
Lifetime [h]	15 000	50 000
Power consumption - system [W]	91	48
Total power consumption [kW/year]	11 466	6 048
Energy cost per year [€]	2 178,54	1 149,12



 ANNUAL SAVINGS
1 029,42 €

These calculations are examples.
 LUG Company will prepare detailed calculations for each object, after an audit of the lighting.

Illuminated area



Main advantages

-  modern design
-  passive cooling = 0 noise
-  luminous flux 3000, 5000 lm
-  CRI > 80
-  available high CRI version
-  rotation range: 0-90° and 350°
-  optics: 22°, 32°, 42°
-  special NUOVO line for FOOD applications

LIGHT MACHINES FOR **SALES** INCREASING



LED 

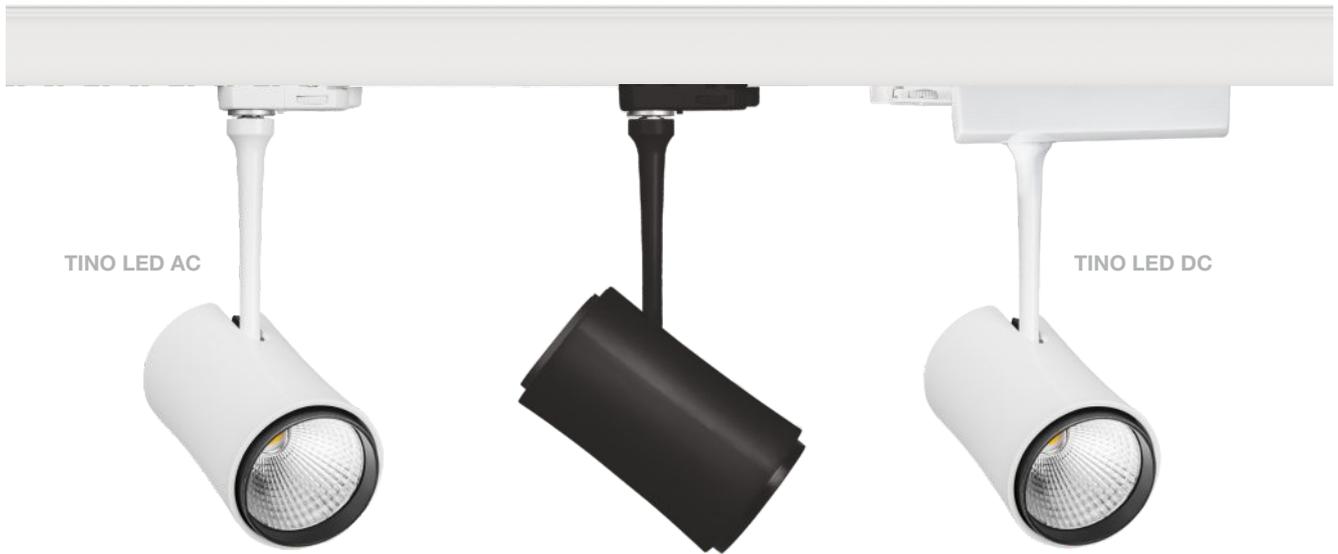
 50,000h
lifetime

 5 years
warranty

TINO LED

Newest LED spotlight by LUG. Perfect solution for any RETAIL interior thanks to its simple and modern design and high lumen output.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



TINO LED

DESCRIPTION:

modern, interior spotlight equipped with LED light sources, available in two colour temperatures, TINO AC: lumen input- 2000lm, adjusted for direct connection to 3 -phase track 230V 50/60Hz, none driver required TINO DC: lumen input - 3000lm, luminaire with built-in driver

TECHNICAL DATA

Body: high pressure die-cast aluminum

Colour: white

Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 20°, 40°

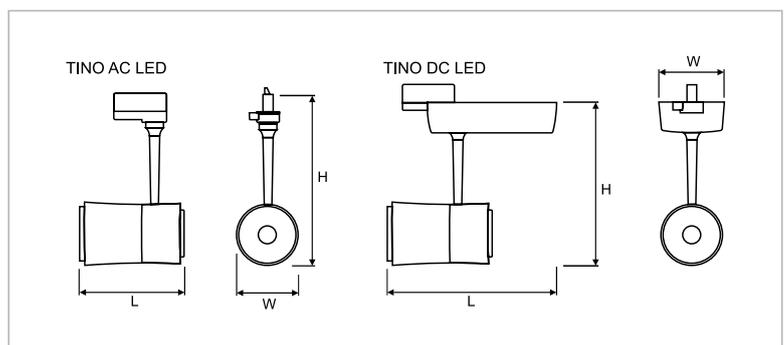
ADDITIONAL INFO

Application: sales rooms: boutiques, galleries, shopping malls, car showrooms, museums, lighting of various vertical surfaces such as shelves, expositions, displays

TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
TINO AC (IK06)									
020201.0L01.01	20°	2000	1550	3000	>80	26	26	145 88 200	1,0
020201.0L02.01	20°	2000	1550	4000	>80	25	25	145 88 200	1,0
020201.0L01.02	40°	2000	1550	3000	>80	26	26	145 88 200	1,0
020201.0L02.02	40°	2000	1550	4000	>80	25	25	145 88 200	1,0
TINO DC (IK03)									
020211.5L01.01	20°	3400	2500	3000	>80	30	35	240 92 235	1,5
020211.5L02.01	20°	3500	2550	4000	>80	30	35	240 92 235	1,5
020211.5L01.02	40°	3400	2500	3000	>80	30	35	240 92 235	1,5
020211.5L02.02	40°	3500	2550	4000	>80	30	35	240 92 235	1,5
020211.5L03.01	20°	4100	3200	3000	>80	36	40	240 92 235	1,5
020211.5L04.01	20°	4350	3400	4000	>80	36	40	240 92 235	1,5
020211.5L03.02	40°	4100	3150	3000	>80	36	40	240 92 235	1,5
020211.5L04.02	40°	4350	3350	4000	>80	36	40	240 92 235	1,5

¹⁾ Luminous flux tolerance + / - 10%





DRACO LED / DRACO FOOD LED

Commercial space lighting.

A futuristic, but at the same time tasteful combination of varnished aluminium and plastic material gives a unique effect.

Modern LED light sources with a very high life-span (50 000h) are available in three light distribution angles: 10°, 22°, 45° and will successfully illuminate the interior of any boutique.

LED

50 000h
lifetime

5 years
warranty



DRACO LED

DESCRIPTION:
modern spotlight supplied with high quality LED light sources

TECHNICAL DATA
Body: die-cast aluminum
Colour: black
Way of mounting: in 3-phase track

ELECTRICAL DATA
Type of equipment: LED driver
Including light source: yes

OPTICAL DATA
Beam angle: 10°, 22°, 45°

ADDITIONAL INFO
Application: sales spaces, car showrooms, fashion shops, museums, galleries, displays, exhibitions

TECHNICAL DATA

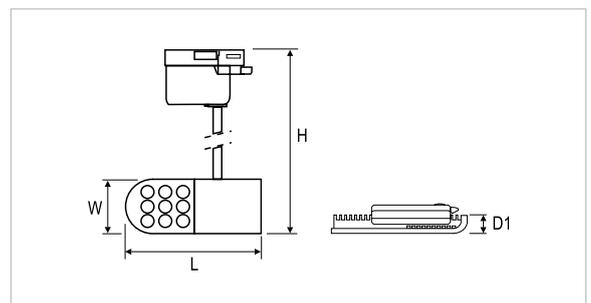
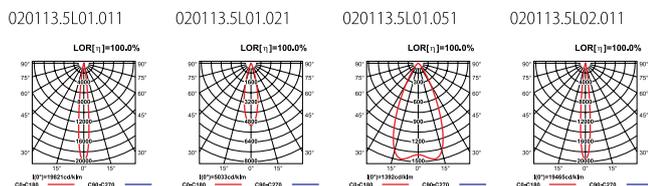
Code	Lumen	Lumen LED [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H D	Weight [kg]
020113.5L01.0X1	1800	1600	3000	>80	26	30	185 90 361 31	0,8
020113.5L01.0X2	1800	1600	3000	>80	26	30	185 90 231 31	0,8
020113.5L02.0X1	1900	1700	4000	>80	26	30	185 90 361 31	0,8
020113.5L02.0X2	1900	1700	4000	>80	26	30	185 90 231 31	0,8

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H D	Weight [kg]
Meat						
02013X.5L011.0X1	1400	1300	18	20	185 90 361 31	0,8
02013X.5L011.0X2	1400	1300	18	20	185 90 231 31	0,8
Fish						
02013X.5L022.0X1	1700	1500	27	30	185 90 361 31	0,8
02013X.5L022.0X2	1700	1500	27	30	185 90 231 31	0,8
Bread						
02013X.5L023.0X1	1700	1500	27	30	185 90 361 31	0,8
02013X.5L023.0X2	1700	1500	27	30	185 90 231 31	0,8
Fruit and vegetables						
02013X.5L014.0X1	1200	1100	18	20	185 90 361 31	0,8
02013X.5L014.0X2	1200	1100	18	20	185 90 231 31	0,8
Wine						
02013X.5L025.0X1	1700	1500	27	30	185 90 361 31	0,8
02013X.5L025.0X2	1700	1500	27	30	185 90 231 31	0,8

¹⁾ Luminous flux tolerance + / - 10%



LIGHT BEAM CURVES









ATLAS LED
ATLAS MINI LED

Maximum focus of attention.

Small sized luminaire for precise point lighting – possibility to change the light distribution angle and adjust the lighting to the demanding conditions.

Ideal for museum exhibits and displays.

LED

50⁰⁰⁰h
lifetime

SPOTLIGHTS

ATLAS LED

DESCRIPTION:
modern interior projector equipped with LED light source, with the possibility of adjusting the angle of light

TECHNICAL DATA

Body: aluminum
Colour: black
Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: LED driver
Including light source: yes

OPTICAL DATA

Beam angle: 14° - 40°

ADDITIONAL INFO

Application: sales spaces, car showrooms, fashion shops, museums, galleries, displays, exhibitions



TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W	Weight [kg]
020163.5L01.01	14°- 40°	1150	850-1050	3000	>80	15	16	238 70	1,3
020163.5L02.01	14°- 40°	1150	850-1050	4000	>80	15	16	238 70	1,3

¹⁾ Luminous flux tolerance + / - 10%

ATLAS MINI LED

DESCRIPTION:
modern interior projector equipped with dedicated LED light source, with the possibility of adjusting the angle of light

TECHNICAL DATA

Body: aluminum
Colour: black
Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: LED driver
Including light source: yes

OPTICAL DATA

Beam angle: 10° - 36°

ADDITIONAL INFO

Application: sales spaces, car showrooms, fashion shops, museums, galleries, displays, exhibitions

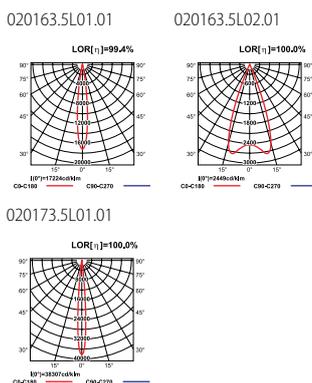


TECHNICAL DATA

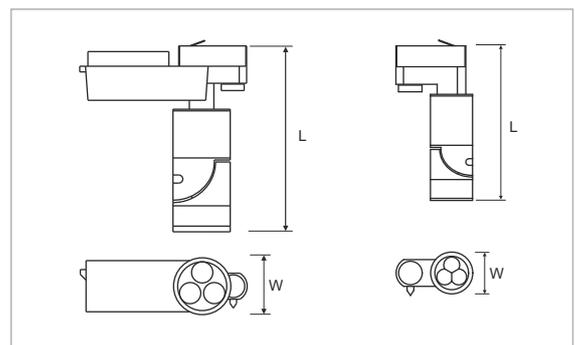
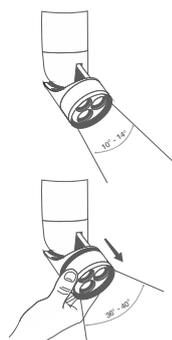
Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W	Weight [kg]
020173.5L01.01	10°-36°	400	300-350	3000	>80	7	8	195 50	0,5
020173.5L02.01	10°-36°	400	300-350	4000	>80	7	8	195 50	0,5

¹⁾ Luminous flux tolerance + / - 10%

LIGHT BEAM CURVES



ADJUSTING THE BEAM ANGLE





MARION

Modernity and harmony.

The newest LUG spotlight is perfectly suitable for both, accentuating and display lighting in shops and for general and decorative lighting. Metal-halide lamps technology provides very good CRI.



MARION

DESCRIPTION:
indoor spotlight for metal-halide lamps

TECHNICAL DATA
Body: plastic
Colour: white, gray, black
Way of mounting: in 3-phase track

ELECTRICAL DATA
Type of equipment: electronic ignition system
Including light source: no

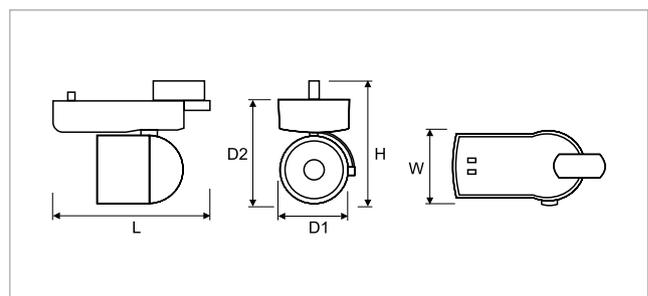
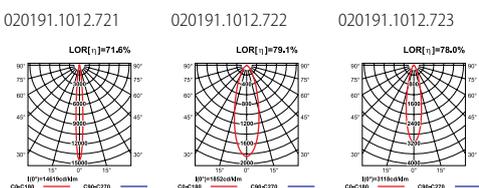
OPTICAL DATA
Beam angle: 12°, 24°, 36°

ADDITIONAL INFO
Application: boutiques, galleries, shopping malls, car showrooms, museums, lighting of various vertical surfaces such as shelves, expositions, displays

TECHNICAL DATA

Code	Beam angle	Power [W]	Luminaire power [W]	Base	Dimensions [mm] L W H D1 D2	Weight [kg]
white						
020191.1012.721	12°	35	42,5	G8,5	212 101 168 96 140	0,8
020191.1012.722	24°	35	42,5	G8,5	212 101 168 96 140	0,8
020191.1012.723	36°	35	42,5	G8,5	212 101 168 96 140	0,8
020191.1022.721.906	12°	50	54,5	G8,5	212 101 168 96 140	0,8
020191.1022.722.906	24°	50	54,5	G8,5	212 101 168 96 140	0,8
020191.1022.723.906	36°	50	54,5	G8,5	212 101 168 96 140	0,8
gray						
020192.1012.721	12°	35	42,5	G8,5	212 101 168 96 140	0,8
020192.1012.722	24°	35	42,5	G8,5	212 101 168 96 140	0,8
020192.1012.723	36°	35	42,5	G8,5	212 101 168 96 140	0,8
020192.1022.721.906	12°	50	54,5	G8,5	212 101 168 96 140	0,8
020192.1022.722.906	24°	50	54,5	G8,5	212 101 168 96 140	0,8
020192.1022.723.906	36°	50	54,5	G8,5	212 101 168 96 140	0,8
black						
020193.1012.721	12°	35	42,5	G8,5	212 101 168 96 140	0,8
020193.1012.722	24°	35	42,5	G8,5	212 101 168 96 140	0,8
020193.1012.723	36°	35	42,5	G8,5	212 101 168 96 140	0,8
020193.1022.721.906	12°	50	54,5	G8,5	212 101 168 96 140	0,8
020193.1022.722.906	24°	50	54,5	G8,5	212 101 168 96 140	0,8
020193.1022.723.906	36°	50	54,5	G8,5	212 101 168 96 140	0,8

LIGHT BEAM CURVES





PROXIMA

This modern spotlight uses the latest technologies and a unique construction in order to ensure high luminaire efficiency and a one of a kind design.

Commercial spaces, such as: shopping centers, exclusive boutiques, car showrooms, as well as museums require lighting which is designed in order to most favourably present products or exhibits.

The broad range of optics ensures appropriate lighting distribution at a narrow (12°), as well as wider angles (24°, 36°), depending on the Client's requirements.

PROXIMA is as spotlight which offers the possibility of adjusting the luminous flux: vertically 0-90° and horizontally 0-350°, ensuring versatility and adaptation of lighting to all spaces and needs.

Finalist
of the contest



GOOD
DESIGN
2011



PROXIMA

DESCRIPTION:
indoor spotlight for metal-halide lamps

TECHNICAL DATA

Body: plastic
Colour: white, black
Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: electronic ballast
Including light source: no

OPTICAL DATA

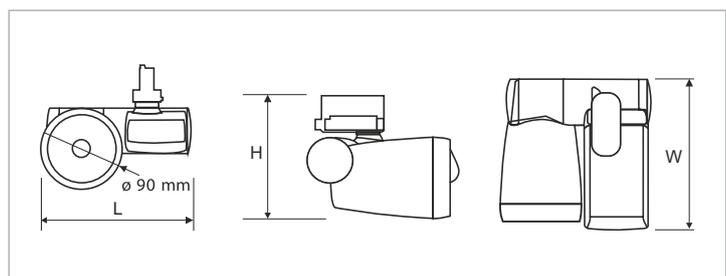
Beam angle: 12°, 24°, 36°

ADDITIONAL INFO

Application: sales rooms: boutiques, galleries, shopping malls, car showrooms, museums, lighting of various vertical surfaces such as shelves, expositions, displays

TECHNICAL DATA

Code	Color temperature [K]	Power [W]	Base	Dimensions [mm] L W H D	Weight [kg]
21001X.1012.70X.903	3000	20	G8,5	170 170 120 90	0,7
21001X.1022.70X.903	3000	35	G8,5	170 170 120 90	0,7
21001X.1032.70X.903	3000	50	G8,5	170 170 120 90	0,7
21001X.1042.70X.903	3000	20	GU6,5	170 170 120 90	0,7
21001X.1052.70X.903	3000	35	GU6,5	170 170 120 90	0,7
21001X.1062.70X.903	3000	50	GU6,5	170 170 120 90	0,7
21001X.1012.70X.904	4200	20	G8,5	170 170 120 90	0,7
21001X.1022.70X.904	4200	35	G8,5	170 170 120 90	0,7
21001X.1032.70X.904	4200	50	G8,5	170 170 120 90	0,7
21001X.1042.70X.904	4200	20	GU6,5	170 170 120 90	0,7
21001X.1052.70X.904	4200	35	GU6,5	170 170 120 90	0,7
21001X.1062.70X.904	4200	50	GU6,5	170 170 120 90	0,7
21001X.1012.70X.906	6000	20	G8,5	170 170 120 90	0,7
21001X.1022.70X.906	6000	35	G8,5	170 170 120 90	0,7
21001X.1032.70X.906	6000	50	G8,5	170 170 120 90	0,7
21001X.1042.70X.906	6000	20	GU6,5	170 170 120 90	0,7
21001X.1052.70X.906	6000	35	GU6,5	170 170 120 90	0,7
21001X.1062.70X.906	6000	50	GU6,5	170 170 120 90	0,7



LIGHT MACHINES FOR SALES INCREASING



PROXIMA

CASE STUDY

ASSUMPTIONS

3 x retail display: 15x2,5m
 operating time: 12h/day, 350 days/year
 energy price: 0,19 €/kWh

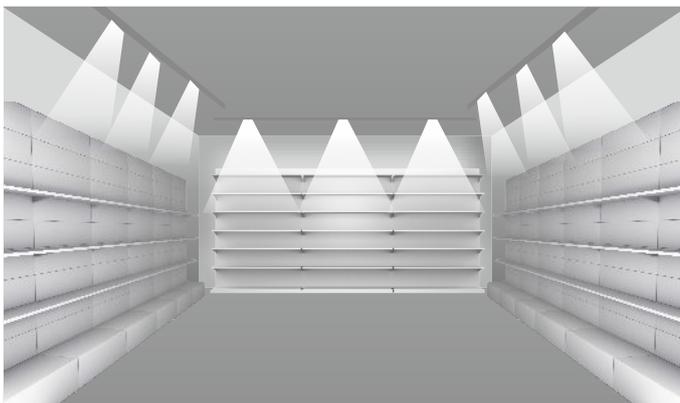
 retail display	Standard spotlight MH 70W	PROXIMA 36° 50W
Luminaires quantity	30	30
Maintenance factor	0.8	0.8
Light source type	MH	MH
Efficacy [lm/W]	41	65,5
Light source output [lm]	5 300	5 400
Luminaire output [lm]	3 710	3 672
Lifetime [h]	9 000	9 000
Power consumption - system [W]	91	56
Total power consumption [kW/year]	11 466	7 056
Energy cost a year [€]	2 178,54	1 340,64



ANNUAL SAVINGS
 **837,90 €**

These calculations are examples.
 LUG Company will prepare detailed calculations for each object, after an audit of the lighting.

Illuminated area



*The best solutions
 for the RETAIL trade*



 **LUG**
BESTSELLER

ROBIN

Bestseller in the LUG offer:

Over 100 000 pieces sold; a luminaire which, thanks to excellent lighting parameters and an interesting design, invariably meets the expectations of RETAIL trade Clients.

This spotlight perfectly blends into the architecture of every interior



ROBIN

DESCRIPTION:
indoor spotlight for metal-halide lamps

TECHNICAL DATA
Body: plastic
Colour: white, gray, graphite, black
Way of mounting: in 3-phase track

ELECTRICAL DATA
Type of equipment: electronic ignition system
Including light source: no

OPTICAL DATA
Beam angle: 12°, 20°, 36°, 60°

ADDITIONAL INFO
Application: sales rooms: boutiques, galleries, shopping malls, car showrooms, museums, lighting of various vertical surfaces such as shelves, expositions, displays

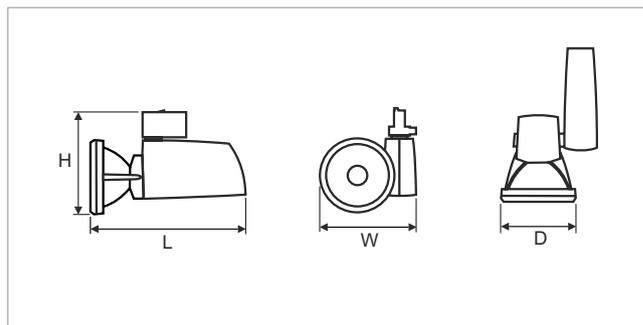
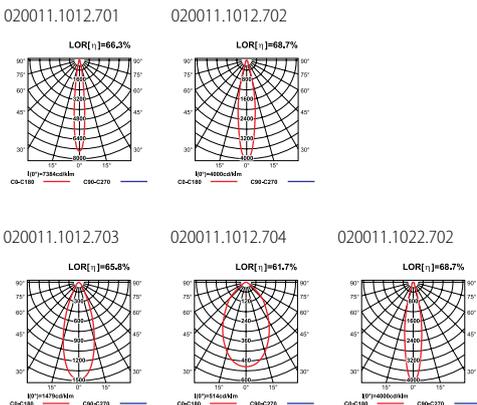
TECHNICAL DATA

Code	Beam angle	Power [W]	Base	Dimensions [mm] L W H D	Weight [kg]
luminaire without sources					
02001X.1012.701	12°	1×35	G12	250 165 155 120	0,8
02001X.1012.702	20°	1×35	G12	250 165 155 120	0,8
02001X.1012.703	36°	1×35	G12	250 165 155 120	0,8
02001X.1012.704	60°	1×35	G12	250 165 155 120	0,8
02001X.1022.701	12°	1×70	G12	250 165 155 120	0,8
02001X.1022.702	20°	1×70	G12	250 165 155 120	0,8
02001X.1022.703	36°	1×70	G12	250 165 155 120	0,8
02001X.1022.704	60°	1×70	G12	250 165 155 120	0,8
luminaire with light sources 830					
02001X.1012.701.903	12°	1×35	G12	250 165 155 120	0,8
02001X.1012.702.903	20°	1×35	G12	250 165 155 120	0,8
02001X.1012.703.903	36°	1×35	G12	250 165 155 120	0,8
02001X.1012.704.903	60°	1×35	G12	250 165 155 120	0,8

02001 .1012.701

- Color
- 1 white
 - 2 grey
 - 3 black
 - 5 graphite

LIGHT BEAM CURVES



ROBIN MINI



ROBIN MINI

DESCRIPTION:
indoor spotlight for metal-halide lamps

TECHNICAL DATA
Body: plastic
Colour: white, gray, graphite, black
Way of mounting: in 3-phase track

ELECTRICAL DATA
Type of equipment: electronic ignition system
Including light source: no

OPTICAL DATA
Beam angle: 12°, 24°, 36°

ADDITIONAL INFO
Application: sales rooms: boutiques, galleries, shopping malls, car showrooms, museums, lighting of various vertical surfaces such as shelves, expositions, displays

TECHNICAL DATA

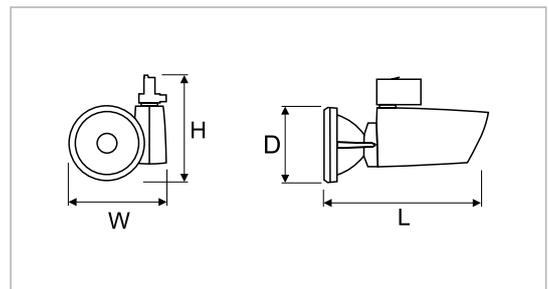
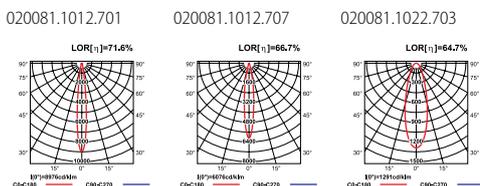
Code	Beam angle	Power [W]	Base	Dimensions [mm] L W H D	Weight [kg]
luminaire without sources					
02008X.1012.701	12°	1×20	G8,5	200 135 135 90	0,5
02008X.1012.703	36°	1×20	G8,5	200 135 135 90	0,5
02008X.1012.707	24°	1×20	G8,5	200 135 135 90	0,5
02008X.1022.701	12°	1×35	G8,5	200 135 135 90	0,5
02008X.1022.703	36°	1×35	G8,5	200 135 135 90	0,5
02008X.1022.707	24°	1×35	G8,5	200 135 135 90	0,5
luminaire with light sources 830					
02008X.1012.701.903	12°	1×20	G8,5	200 135 135 90	0,5
02008X.1012.703.903	36°	1×20	G8,5	200 135 135 90	0,5
02008X.1012.707.903	24°	1×20	G8,5	200 135 135 90	0,5
02008X.1022.701.903	12°	1×35	G8,5	200 135 135 90	0,5
02008X.1022.703.903	36°	1×35	G8,5	200 135 135 90	0,5
02008X.1022.707.903	24°	1×35	G8,5	200 135 135 90	0,5

02008 .1012.701

Color

- 1 white
- 2 grey
- 3 black
- 5 graphite

LIGHT BEAM CURVES



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

ROBIN MINI PLUS



ROBIN MINI PLUS

DESCRIPTION:
indoor spotlight for metal-halide lamps

TECHNICAL DATA

Body: plastic
Colour: transparent white, transparent red
Way of mounting: in 3-phase track

ELECTRICAL DATA

Type of equipment: electronic ignition system
Including light source: no

OPTICAL DATA

Beam angle: 12°, 24°, 36°

ADDITIONAL INFO

Application: sales rooms: boutiques, galleries, shopping malls, car showrooms, museums, lighting of various vertical surfaces such as shelves, expositions, displays

TECHNICAL DATA

Code	Beam angle	Power [W]	Base	Dimensions [mm] L W H D	Weight [kg]
02008X.1012.701	12°	1×20	G8,5	200 135 135 90	0,5
02008X.1012.703	36°	1×20	G8,5	200 135 135 90	0,5
02008X.1012.707	24°	1×20	G8,5	200 135 135 90	0,5
02008X.1022.701	12°	1×35	G8,5	200 135 135 90	0,5
02008X.1022.703	36°	1×35	G8,5	200 135 135 90	0,5
02008X.1022.707	24°	1×35	G8,5	200 135 135 90	0,5

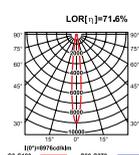
02008 .1012.701

Color

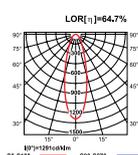
- 6 transparent white
- 7 transparent red

LIGHT BEAM CURVES

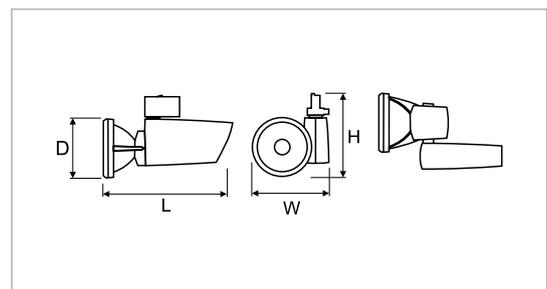
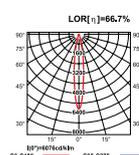
020086.1012.701



020086.1012.703



020086.1012.707



SPECIALIZED UV FILTERS FOR THE FOLLOWING SPOTLIGHTS: ROBIN, ROBIN MINI, PROXIMA

Thanks to their properties the UV absorbent filters eliminate the risk of color fading and reduce the effect of "ageing" of the illuminated objects.

The filters are used primarily in:

- illumination of store expositions and shops
- lighting of groceries
- galleries and museums.

The characteristic feature of groceries filters is the absorption of UV radiation up to 100% of UV-B and UV-C, and up to 92% of UV-A radiation.



Variety of applications



Baker's Goods Enhancement Filter

In addition to the reduction of UV radiation, this filter allows for better emphasis of bread and inhibits the "ageing effect".



Meat Enhancement Filter

In addition to the reduction of UV radiation, the filter emphasises red colour of meat.



Fish Enhancement Filter

In addition to the reduction of UV radiation, the filter exhibits a freshness and colour of fish.



Fruits Enhancement Filter

In addition to the reduction of UV yellow green filter allows for better emphasis of fruit. Filter also does not heat the surrounding objects, therefore fruit stay fresh and have attractive appearance for longer period of time.



Vegetable Enhancement Filter

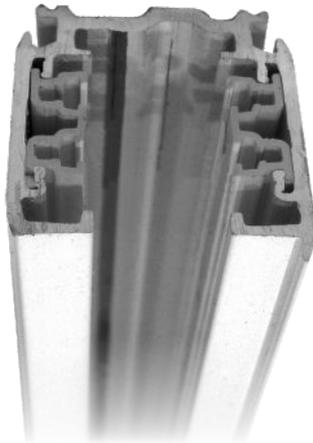
In addition to the reduction of UV light green filter allows for better emphasis of green vegetables. The filter significantly reduces IR, thanks to which vegetables are not heated by the light - they stay fresh and have attractive look for longer period of time.



Museum Illumination Filter

A special UV filter, retaining 99% of UV-A and 100% of UV-B and UV-C for lighting museums exhibitions and works of art presented in galleries and on exhibitions. The absorption of UV radiation and a significant reduction in temperature provides the most effective protection of illuminated objects from fading, yellowing or ageing.

3-PHASE TRACK



DESCRIPTION:

3-phase aluminium track

TECHNICAL DATA

Additional elements: aluminium profile

Colour: gray, white

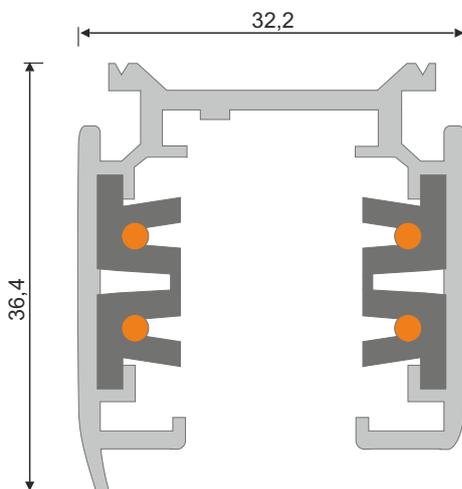
Way of mounting: on wire suspension (on request)

ADDITIONAL INFO

Application: commercial halls, car showrooms, textile sales departments, museums, galleries, shop windows, expositions

TECHNICAL DATA

Code	Dimensions [mm] L	Weight [kg]
150091.00087	1000	0,9
150092.00088	1000	0,9
150091.00089	2000	1,8
150092.00090	2000	1,8
150091.00091	3000	2,6
150092.00092	3000	2,6



ACCESSORIES



- 150091.00093
- 150092.00094

3-phase straight adapter



- 150091.00117
- 150092.00118

3-phase straight connector



- 150091.00097
- 150092.00098

T connector - external right



- 150091.00099
- 150092.00100

T connector - external left



- 150091.00107
- 150092.00108

L connector - internal



- 150091.00105
- 150092.00106

L connector - external



- 150091.00109
- 150092.00110

X connector



- 150091.00111
- 150092.00112

Supply connector right



- 150091.00113
- 150091.00114

Supply connector left



- 150091.00115
- 150092.00116

End cap



- 150091.00096

3-phase invisible straight connector



- 150091.00101
- 150092.00102

T connector - internal right



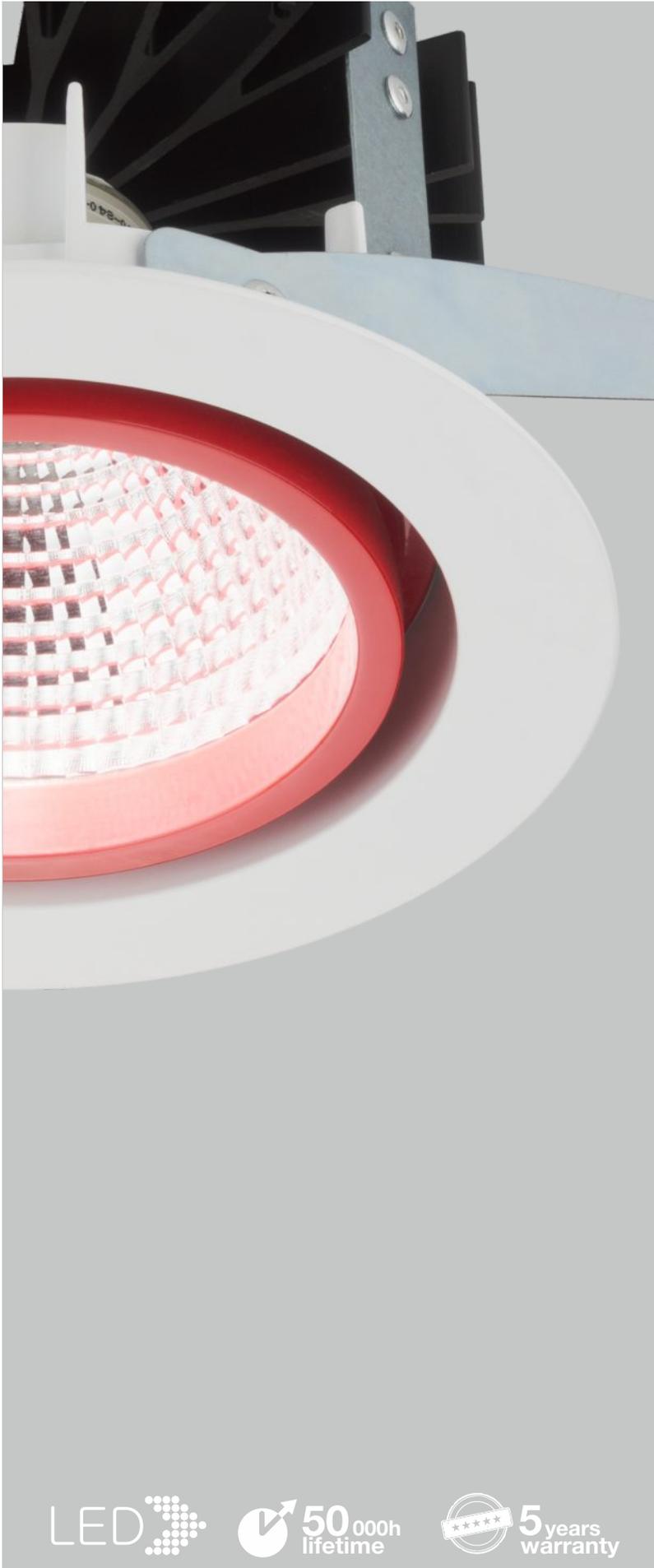
- 150091.00103
- 150092.00104

T connector - internal left



- 150092.00119
- 150091.00120

Suspension



LUGSTAR PREMIUM LED

combines the practical application of modern design while maintaining high performance light.

LED 

 50,000h lifetime

 5 years warranty



LUGSTAR PREMIUM LED

DESCRIPTION:

decorative downlight luminaire for suspended ceilings, degree of water and dust-proof IP20 and IP44, for LED light sources

TECHNICAL DATA

Body: aluminum

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 36°, 76°

ADDITIONAL INFO

Additionally available: DALI, emergency kit LED

Other remarks: Flux of luminaire depends of the colour of the luminaire ring; claimed flux is appropriate for downlight luminaire in colour RAL9003

Application: shop sales halls, chopping centers, museums, galleries, exhibitions, expositions, offices, hotels, conference centers, public utility buildings

TECHNICAL DATA

Code	Emergency kit	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] W H	Cut out dimensions [mm] W	Weight [kg]
IP20										
030241.5L01.3XX	+	1500	1250	3000	>80	12	13	192 115	170	1,5
030241.5L02.3XX	+	1500	1250	4000	>80	12	13	192 115	170	1,5
030241.5L03.3XX	+	2000	1600	3000	>80	18	20	192 115	170	1,5
030241.5L04.3XX	+	2000	1600	4000	>80	18	20	192 115	170	1,5
030241.5L05.3XX	+	3000	2500	3000	>80	26	29	192 115	170	1,5
030241.5L06.3XX	+	3000	2500	4000	>80	26	29	192 115	170	1,5
030241.5L07.3XX	²⁾	5000	4100	3000	>80	43	48	192 160	170	2,0
030241.5L08.3XX	²⁾	5000	4100	4000	>80	43	48	192 160	170	2,0
IP44										
030261.5L01.3XX	+	1500	1200	3000	>80	12	13	192 115	170	1,5
030261.5L02.3XX	+	1500	1200	4000	>80	12	13	192 115	170	1,5
030261.5L03.3XX	+	2000	1600	3000	>80	18	20	192 115	170	1,5
030261.5L04.3XX	+	2000	1600	4000	>80	18	20	192 115	170	1,5
030261.5L05.3XX	+	3000	2400	3000	>80	26	29	192 115	170	1,5
030261.5L06.3XX	+	3000	2400	4000	>80	26	29	192 115	170	1,5
030261.5L07.3XX	²⁾	5000	4000	3000	>80	43	48	192 162	170	2,0
030261.5L08.3XX	²⁾	5000	4000	4000	>80	43	48	192 162	170	2,0

¹⁾ Luminous flux tolerance + / - 10%

²⁾ Please contact LUG technical dept. for information on combining the solutions as listed above

030241.5L01.3

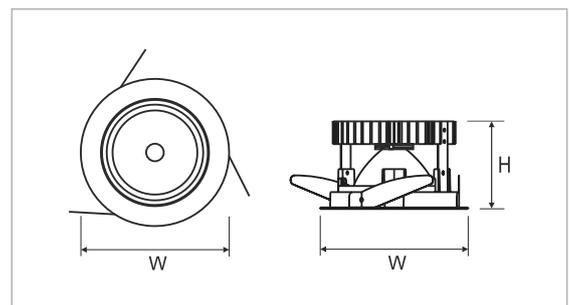
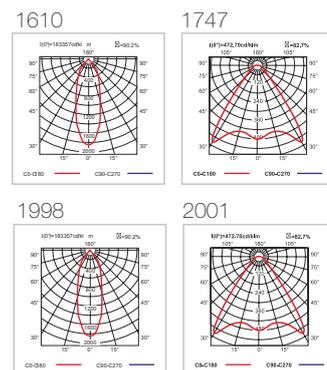
Ring colour

- 1 □ white
- 3 ■ black
- 4 ■ red
- 5 ■ blue
- 6 ■ green

Beam angle

- 1 36°
- 2 76°

LIGHT BEAM CURVES



LIGHT MACHINES FOR SALES INCREASING

LUGSTAR PREMIUM LED

Main advantages

- ▶ efficacy >90 lm/W
- ▶ modern design
- ▶ passive cooling system
- ▶ CRI > 80
- ▶ UGR < 19
- ▶ Possibility of light intensity control
luminous flux 1500, 2000, 3000 and 5000 lm
- ▶ colour temperature: 3000 K, 4000 K
- ▶ lumen maintenance > 70%
- ▶ solution for food application

Available versions

- ▶ ring available in standard colors: white, red, blue, green, black, or on request in any RAL colour
- ▶ DALI dimming option
- ▶ motion sensor

Available ring colours

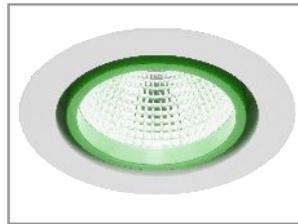
RAL 3001 MAT



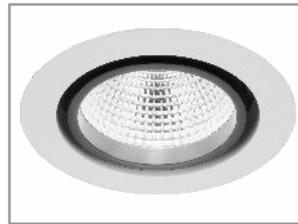
RAL 5015 MAT



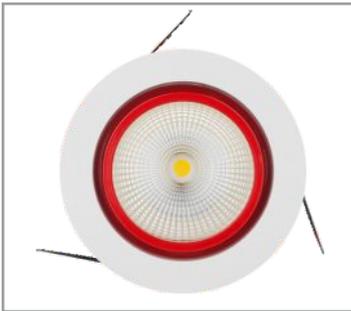
RAL 6018 MAT



RAL 9005 MAT

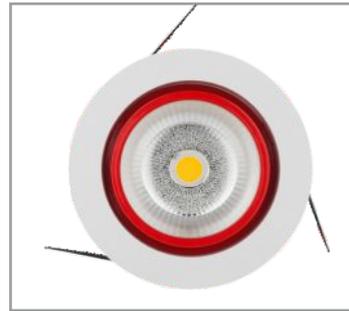


Available reflectors



FOR RETAIL & SHOPPING

- 36°
- narrow beam
- pebble
- high performance



FOR OFFICE APPLICATION

- 76°
- wide beam
- low glare factor
(UGR<19 with black ring)

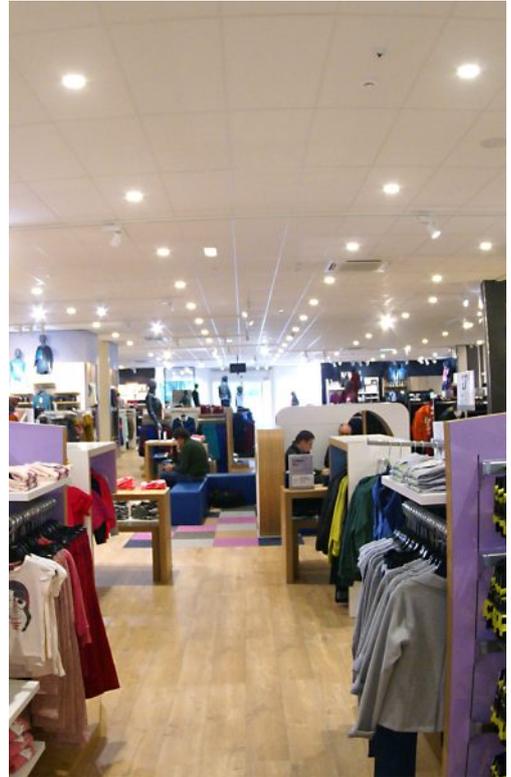


CASE STUDY

ASSUMPTIONS

3 x retail display: 15x2,5m
 operating time: 12h/day, 350 days/year
 energy price: 0,19 €/kWh

 retail display	Standard downlight 2x26W CLF	LUGSTAR PREMIUM LED
Luminaires quantity	30	30
Average illuminance [lx]	>1 000	>1 000
Maintenance factor	0.8	0.8
Light source type	TC-DEL	LED
Efficiency	70%	100%
Efficacy [lm/W]	46,6	86
Luminaire output [lm]	2 520	2 500
Lifetime [h]	13 000	50 000
Power consumption - system [W]	54	29
Total power consumption [kW/year]	6 804	3 654
Energy cost a year [€]	1 292,76	694,26



 ANNUAL SAVINGS
598,50 €

These calculations are examples.
 LUG Company will prepare detailed calculations for each object, after an audit of the lighting.



LUGSTAR HI-CRI LED



LUGSTAR HI-CRI LED

DESCRIPTION:

decorative downlight luminaire for suspended ceilings, for LED light sources with hi CRI>90

TECHNICAL DATA

Body: aluminum

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 36°, 76°

ADDITIONAL INFO

Additionally available: DALI

Application: shop sales halls, shopping centers, museums, galleries, exhibitions, expositions, offices, hotels, conference centers, public utility buildings

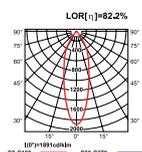
TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] W H	Cut out dimensions [mm] W	Weight [kg]
IP20										
030281.5L01.311	36°	2000	1650	3000	>90	22	24	192 115	170	1,5
030281.5L02.311	36°	2000	1600	4000	>90	21	23	192 115	170	1,5
030281.5L01.321	76°	2000	1700	3000	>90	22	24	192 115	170	1,5
030281.5L02.321	76°	2000	1650	4000	>90	21	23	192 115	170	1,5
030281.5L03.311	36°	3000	2400	3000	>90	31	34	192 115	170	1,5
030281.5L04.311	36°	3000	2400	4000	>90	33	37	192 115	170	1,5
030281.5L03.321	76°	3000	2400	3000	>90	31	34	192 115	170	1,5
030281.5L04.321	76°	3000	2400	4000	>90	33	37	192 115	170	1,5
030281.5L07.311	36°	4400	3600	3000	>90	46	51	192 160	170	2,0
030281.5L07.321	76°	4400	3650	3000	>90	46	51	192 160	170	2,0
IP44/20										
030421.5L01.311	36°	2000	1600	3000	>90	22	24	192 117	170	1,5
030421.5L02.311	36°	2000	1550	4000	>90	21	23	192 117	170	1,5
030421.5L01.321	76°	2000	1650	3000	>90	22	24	192 117	170	1,5
030421.5L02.321	76°	2000	1550	4000	>90	21	23	192 117	170	1,5
030421.5L03.311	36°	3000	2300	3000	>90	31	34	192 117	170	1,5
030421.5L04.311	36°	3000	2350	4000	>90	33	37	192 117	170	1,5
030421.5L03.321	76°	3000	2300	3000	>90	31	34	192 117	170	1,5
030421.5L04.321	76°	3000	2350	4000	>90	33	37	192 117	170	1,5
030421.5L07.311	36°	4400	3500	3000	>90	46	51	192 162	170	2,0
030421.5L07.321	76°	4400	3500	3000	>90	46	51	192 162	170	2,0

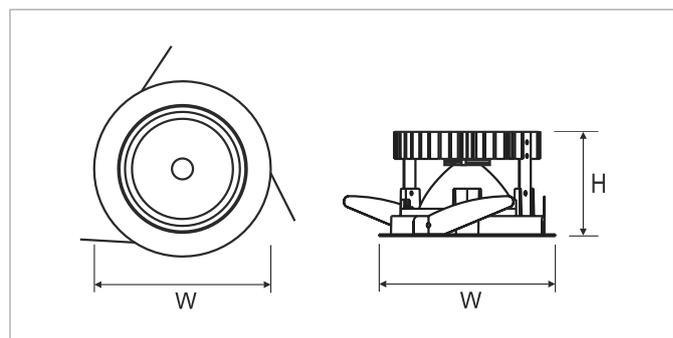
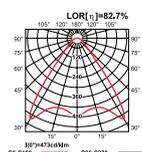
¹⁾ Luminous flux tolerance + / - 10%

LIGHT BEAM CURVES

030281.5L01.311



030281.5L01.321



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

LUGSTAR LOW UGR LED



LUGSTAR LOW UGR LED

DESCRIPTION:

decorative downlight luminaire for suspended ceilings, for LED light sources with reduced glare effect

TECHNICAL DATA

Body: aluminum

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 36°, 76°

ADDITIONAL INFO

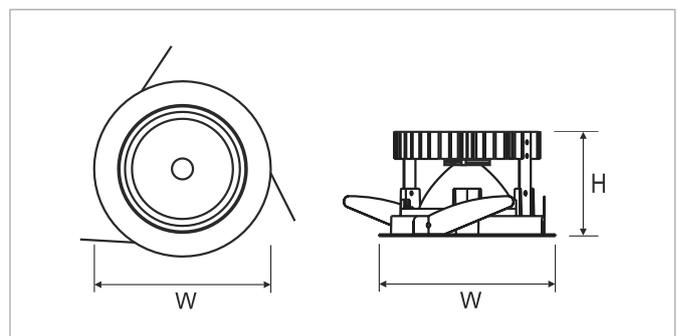
Additionally available: DALI, emergency kit LED

Application: shop sales halls, chopping centers, museums, galleries, exhibitions, expositions, offices, hotels, conference centers, public utility buildings

TECHNICAL DATA

Code	Emergency kit	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] W H	Cut out dimensions [mm] ØS	Weight [kg]
030431.5101.311	+	36°	2000	1650	3000	>80	18	21	192 115	170	1,5
030431.5102.311	+	36°	2000	1650	4000	>80	18	21	192 115	170	1,5
030431.5103.311	+	36°	3000	2500	3000	>80	26	30	192 160	170	2,0
030431.5104.311	+	36°	3000	2500	4000	>80	26	30	192 160	170	2,0
030431.5101.321	+	76°	2000	1650	3000	>80	18	21	192 115	170	1,5
030431.5102.321	+	76°	2000	1650	4000	>80	18	21	192 115	170	1,5
030431.5103.321	+	76°	3000	2500	3000	>80	26	30	192 160	170	2,0
030431.5104.321	+	76°	3000	2500	4000	>80	26	30	192 160	170	2,0

¹⁾ Luminous flux tolerance + / - 10%



LIGHT MACHINES FOR SALES INCREASING



LED

50,000h
lifetime

PICO LED

Small LED IP65 downlight of multiple applications.



PICO S LED / PICO R LED

DESCRIPTION:
decorative, recessed downlight LED with high IP65, equipped with high quality LED source of light and a power supply

TECHNICAL DATA

Body: high pressure die-cast aluminum

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 36°

ADDITIONAL INFO

Additionally available: DALI

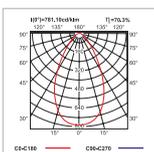
Application: shop sales halls, shopping centers, museums, galleries, exhibitions, expositions, offices, hotels, conference centers, public utility buildings

TECHNICAL DATA

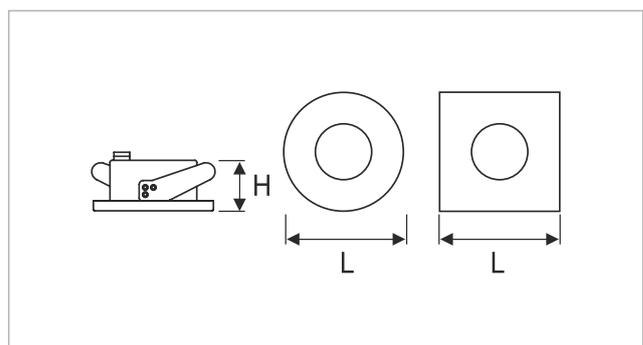
Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] W H	Cut out dimensions [mm] W	Weight [kg]
Pico R										
030291.5L01.301	36°	1000	850	3000	>80	12	13	88 45	75	0,2
030291.5L02.301	36°	1000	850	4000	>80	12	13	88 45	75	0,2
Pico S										
030301.5L01.301	36°	1000	850	3000	>80	12	13	88 45	75	0,2
030301.5L02.301	36°	1000	850	4000	>80	12	13	88 45	75	0,2
Pico R without AC										
030291.0L01.301	36°	1000	850	3000	>80	12	-	88 45	75	0,2
030291.0L02.301	36°	1000	850	4000	>80	12	-	88 45	75	0,2
Pico S without AC										
030301.0L01.301	36°	1000	850	3000	>80	12	-	88 45	75	0,2
030301.0L02.301	36°	1000	850	4000	>80	12	-	88 45	75	0,2

¹⁾ Luminous flux tolerance + / - 10%

LIGHT BEAM CURVES



- 2478
- 2478_1
- 2478_2
- 2478_3



LIGHT MACHINES FOR SALES INCREASING



LED

50,000h
lifetime

SPARK LED

Tilting LED luminaire providing best accent lighting for Your store.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



SPARK LED

DESCRIPTION:

recessed modern downlight, for suspended ceilings with adjustable optics for integrated LED modules

TECHNICAL DATA

Body: high pressure die-cast aluminum

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 14°, 30°, 46°

ADDITIONAL INFO

Additionally available: DALI

Application: retail and shopping spaces: boutiques, shop windows, car showrooms, shopping malls and galleries; offices, museums, corridors and lobbies

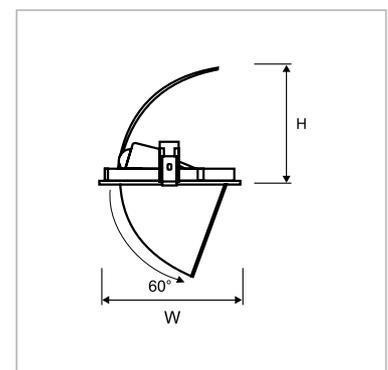
TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] W H	Cut out dimensions [mm] W	Weight [kg]
030361.5L01.301	14°	3200	2600	3000	>80	26	29	194 170	180	1,5
030361.5L01.302	30°	3200	2550	3000	>80	26	29	194 170	180	1,5
030361.5L01.303	46°	3200	2550	3000	>80	26	29	194 170	180	1,5
030361.5L02.301	14°	3250	2700	4000	>80	25	29	194 170	180	1,5
030361.5L02.302	30°	3250	2600	4000	>80	25	29	194 170	180	1,5
030361.5L02.303	46°	3250	2650	4000	>80	25	29	194 170	180	1,5
030361.5L03.301	14°	4050	3250	3000	>80	37	41	194 170	180	1,5
030361.5L03.302	30°	4050	3200	3000	>80	37	41	194 170	180	1,5
030361.5L03.303	46°	4050	3150	3000	>80	37	41	194 170	180	1,5
030361.5L04.301	14°	4300	3450	4000	>80	37	41	194 170	180	1,5
030361.5L04.302	30°	4300	3400	4000	>80	37	41	194 170	180	1,5
030361.5L04.303	46°	4300	3350	4000	>80	37	41	194 170	180	1,5
030361.5L05.301	14°	5100	4050	3000	>80	49	54	194 170	180	1,5
030361.5L05.302	30°	5100	4000	3000	>80	49	54	194 170	180	1,5
030361.5L05.303	46°	5100	3950	3000	>80	49	54	194 170	180	1,5
030361.5L06.301	14°	5400	4300	4000	>80	49	54	194 170	180	1,5
030361.5L06.302	30°	5400	4250	4000	>80	49	54	194 170	180	1,5
030361.5L06.303	46°	5400	4200	4000	>80	49	54	194 170	180	1,5

¹⁾ Luminous flux tolerance + / - 10%



For LDT files, please visit our website



LIGHT MACHINES FOR SALES INCREASING



LED

50,000h
lifetime

WALT LED

Typical downlight may be used in the office. This tilting solution brings light into the accentual shop light.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



WALT 1 LED

DESCRIPTION:
recessed modern downlight, for suspended ceilings for integrated LED modules

TECHNICAL DATA
Body: high pressure die-cast aluminum
Additional elements: lamp rings made of black die-cast aluminium
Colour: white
Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA
Type of equipment: LED driver
Including light source: yes

OPTICAL DATA
Beam angle: 22°, 30°, 42°

ADDITIONAL INFO
Additionally available: DALI
Application: retail and shopping spaces: boutiques, shop windows, car showrooms, shopping malls and galleries; offices, museums, corridors and lobbies

TECHNICAL DATA

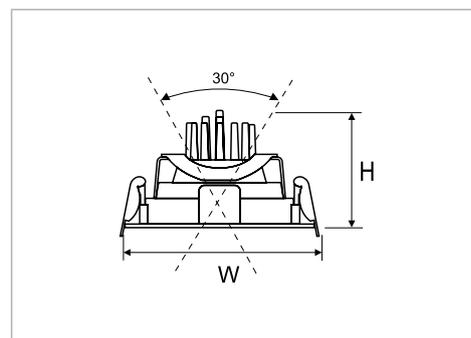
Code	Emergency kit	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] W H	Cut out dimensions [mm] W	Weight [kg]
I-st class protection from electric shock											
030321.5L11.311	²⁾	22°	2000	1500	3000	>80	18	21	140 105	130	0,8
030321.5L11.312	²⁾	30°	2000	1450	3000	>80	18	21	140 105	130	0,8
030321.5L11.313	²⁾	42°	2000	1450	3000	>80	18	21	140 105	130	0,8
030321.5L12.311	²⁾	22°	2000	1500	4000	>80	20	23	140 105	130	0,8
030321.5L12.312	²⁾	30°	2000	1450	4000	>80	20	23	140 105	130	0,8
030321.5L12.313	²⁾	42°	2000	1450	4000	>80	20	23	140 105	130	0,8
030321.5L13.321	²⁾	22°	3000	2350	3000	>80	26	30	165 120	155	1,0
030321.5L13.322	²⁾	30°	3000	2250	3000	>80	26	30	165 120	155	1,0
030321.5L13.323	²⁾	42°	3000	2300	3000	>80	26	30	165 120	155	1,0
030321.5L14.321	²⁾	22°	3000	2350	4000	>80	25	29	165 120	155	1,0
030321.5L14.322	²⁾	30°	3000	2250	4000	>80	25	29	165 120	155	1,0
030321.5L14.323	²⁾	42°	3000	2300	4000	>80	25	29	165 120	155	1,0
II class protection from electric shock											
030321.5L15.321	²⁾	22°	4300	3200	3000	>80	37	40	165 120	155	1,0
030321.5L15.322	²⁾	30°	4300	3100	3000	>80	37	40	165 120	155	1,0
030321.5L15.323	²⁾	42°	4300	3100	3000	>80	37	40	165 120	155	1,0
030321.5L16.321	²⁾	22°	4500	3400	4000	>80	37	40	165 120	155	1,0
030321.5L16.322	²⁾	30°	4500	3300	4000	>80	37	40	165 120	155	1,0
030321.5L16.323	²⁾	42°	4500	3300	4000	>80	37	40	165 120	155	1,0

¹⁾ Luminous flux tolerance +/- 10%

²⁾ Please contact LUG technical dept. for information on combining the solutions as listed above



For LDT files, please visit our website





WALT 2 LED

DESCRIPTION:
recessed modern downlight, for suspended ceilings for integrated LED modules

TECHNICAL DATA

Body: high pressure die-cast aluminum
Additional elements: lamp rings made of black die-cast aluminium
Colour: white
Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver
Including light source: yes

OPTICAL DATA

Beam angle: 22°, 30°, 42°

ADDITIONAL INFO

Additionally available: DALI

Application: retail and shopping spaces; boutiques, shop windows, car showrooms, shopping malls and galleries; offices, museums, corridors and lobbies

TECHNICAL DATA

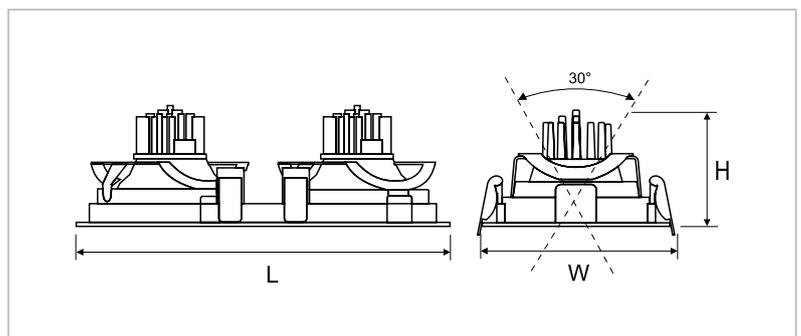
Code	Emergency kit	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Cut out dimensions [mm] W	Weight [kg]
030321.5L21.331	²⁾	22°	2x2000	2x1500	3000	>80	2x18	42	280 140 105	125 265	1,7
030321.5L21.332	²⁾	30°	2x2000	2x1450	3000	>80	2x18	42	280 140 105	125 265	1,7
030321.5L21.333	²⁾	42°	2x2000	2x1450	3000	>80	2x18	42	280 140 105	125 265	1,7
030321.5L22.331	²⁾	22°	2x2000	2x1500	4000	>80	2x20	46	280 140 105	125 265	1,7
030321.5L22.332	²⁾	30°	2x2000	2x1450	4000	>80	2x20	46	280 140 105	125 265	1,7
030321.5L22.333	²⁾	42°	2x2000	2x1450	4000	>80	2x20	46	280 140 105	125 265	1,7
030321.5L23.341	²⁾	22°	2x3000	2x2350	3000	>80	2x26	60	330 165 120	155 320	2,0
030321.5L23.342	²⁾	30°	2x3000	2x2250	3000	>80	2x26	60	330 165 120	155 320	2,0
030321.5L23.343	²⁾	42°	2x3000	2x2300	3000	>80	2x26	60	330 165 120	155 320	2,0
030321.5L24.341	²⁾	22°	2x3000	2x2350	4000	>80	2x25	58	330 165 120	155 320	2,0
030321.5L24.342	²⁾	30°	2x3000	2x2250	4000	>80	2x25	58	330 165 120	155 320	2,0
030321.5L24.343	²⁾	42°	2x3000	2x2300	4000	>80	2x25	58	330 165 120	155 320	2,0

¹⁾ Luminous flux tolerance + / - 10%

²⁾ Please contact LUG technical dept. for information on combining the solutions as listed above



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The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



LIGHT MACHINES FOR SALES INCREASING



LED

50,000h
lifetime

JESSIE LED

Typical downlight may be used in the office. This tilting solution brings light into the accentual shop light.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



JESSIE 1 LED

DESCRIPTION:

recessed modern downlight, for suspended ceilings for integrated LED modules

TECHNICAL DATA

Body: high pressure die-cast aluminum

Additional elements: lamp rings made of black die-cast aluminium

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED betriebsgerät

Including light source: yes

OPTICAL DATA

Beam angle: 22°, 30°, 42°

ADDITIONAL INFO

Additionally available: DALI

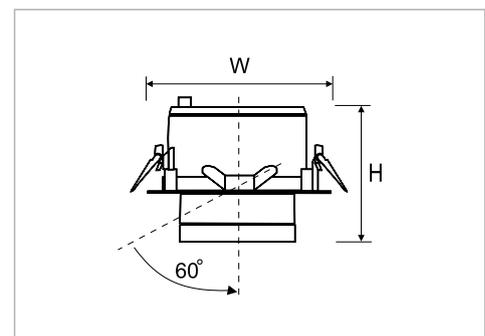
Application: retail and shopping spaces: boutiques, shop windows, car showrooms, shopping malls and galleries; offices, museums, corridors and lobbies

TECHNICAL DATA

Code	Emergency kit	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L H	Weight [kg]
030331.5L11.311	²⁾	22°	2000	1500	3000	>80	18	21	165 145	1,1
030331.5L11.312	²⁾	30°	2000	1450	3000	>80	18	21	165 145	1,1
030331.5L11.313	²⁾	42°	2000	1450	3000	>80	18	21	165 145	1,1
030331.5L12.311	²⁾	22°	2000	1500	4000	>80	20	23	165 145	1,1
030331.5L12.312	²⁾	30°	2000	1450	4000	>80	20	23	165 145	1,1
030331.5L12.313	²⁾	42°	2000	1450	4000	>80	20	23	165 145	1,1
030331.5L13.321	²⁾	22°	3000	2350	3000	>80	26	30	195 165	1,7
030331.5L13.322	²⁾	30°	3000	2250	3000	>80	26	30	195 165	1,7
030331.5L13.323	²⁾	42°	3000	2300	3000	>80	26	30	195 165	1,7
030331.5L14.321	²⁾	22°	3000	2350	4000	>80	25	29	195 165	1,7
030331.5L14.322	²⁾	30°	3000	2250	4000	>80	25	29	195 165	1,7
030331.5L14.323	²⁾	42°	3000	2300	4000	>80	25	29	195 165	1,7

¹⁾ Luminous flux tolerance + / - 10%

²⁾ Please contact LUG technical dept. for information on combining the solutions as listed above



For LDT files, please visit our website



JESSIE 2 LED

DESCRIPTION:

recessed modern downlight, for suspended ceilings for integrated LED modules

TECHNICAL DATA

Body: high pressure die-cast aluminum

Additional elements: lamp rings made of black die-cast aluminium

Colour: white

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED betriebsgerät

Including light source: yes

OPTICAL DATA

Beam angle: 22°, 30°, 42°

ADDITIONAL INFO

Additionally available: DALI

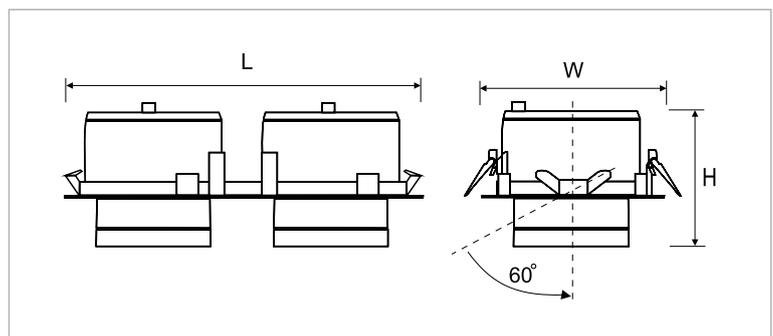
Application: retail and shopping spaces: boutiques, shop windows, car showrooms, shopping malls and galleries; offices, museums, corridors and lobbies

TECHNICAL DATA

Code	Emergency kit	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
030331.5L21.331	²⁾	22°	2x2000	2x1500	3000	>80	2x18	42	330 165 145	2,5
030331.5L21.332	²⁾	30°	2x2000	2x1450	3000	>80	2x18	42	330 165 145	2,5
030331.5L21.333	²⁾	42°	2x2000	2x1450	3000	>80	2x18	42	330 165 145	2,5
030331.5L22.331	²⁾	22°	2x2000	2x1500	4000	>80	2x20	46	330 165 145	2,5
030331.5L22.332	²⁾	30°	2x2000	2x1450	4000	>80	2x20	46	330 165 145	2,5
030331.5L22.333	²⁾	42°	2x2000	2x1450	4000	>80	2x20	46	330 165 145	2,5
030331.5L23.341	²⁾	22°	2x3000	2x2350	3000	>80	2x26	60	390 195 165	3,5
030331.5L23.342	²⁾	30°	2x3000	2x2250	3000	>80	2x26	60	390 195 165	3,5
030331.5L23.343	²⁾	42°	2x3000	2x2300	3000	>80	2x26	60	390 195 165	3,5
030331.5L24.341	²⁾	22°	2x3000	2x2350	4000	>80	2x25	58	390 195 165	3,5
030331.5L24.342	²⁾	30°	2x3000	2x2250	4000	>80	2x25	58	390 195 165	3,5
030331.5L24.343	²⁾	42°	2x3000	2x2300	4000	>80	2x25	58	390 195 165	3,5

¹⁾ Luminous flux tolerance + / - 10%

²⁾ Please contact LUG technical dept. for information on combining the solutions as listed above



For LDT files, please visit our website

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



LIGHT MACHINES FOR SALES INCREASING



LED 

 50⁰⁰⁰h
lifetime

AMBRA LED

Modern plafond IP40 supplied with LED lamps.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

AMBRA LED

DESCRIPTION:

modern plafond IP40 supplied with LED light sources

TECHNICAL DATA

Body: luminaire base steel sheet

Type of difuser: opal acrylic

Colour: white

Way of mounting: directly on the ceiling or wall

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

ADDITIONAL INFO

Additionally available: emergency kit LED

Application: public utility buildings, stairways, corridors, illumination of hotel interiors



TECHNICAL DATA

Code	Emergency kit	Light output in emergency mode (%)	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] WH	Weight [kg]
100041.5L012.101	-	-	730	490	3000	>80	8	10	290 100	0,5
100041.5L013.101	-	-	740	500	4000	>80	8	10	290 100	0,5
100041.5L022.201	-	-	2800	1660	3000	>80	25	29	390 100	1,0
100041.5L023.201	-	-	3100	1800	4000	>80	25	29	390 100	1,0
100041.5L022A.201	+	22%	2800	1660	3000	>80	25	31	390 100	1,5
100041.5L023A.201	+	22%	3100	1800	4000	>80	25	31	390 100	1,5

¹⁾ Luminous flux tolerance + / - 10%

AMBRA MOTION

DESCRIPTION:

plafond for compact fluorescent lamps equipped with adjustable motion sensor

TECHNICAL DATA

Body: luminaire base steel sheet

Type of difuser: opal acrylic

Colour: white

Way of mounting: directly on the ceiling or wall

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

ADDITIONAL INFO

Other remarks: in case of too large detector's range setting, there may occur the effect of motion detection through doors, glasses as well as thin walls. If so, proper regulation of detector should be proceeded; CAUTION! Mounting of the emergency kit is not possible

Application: public utility buildings, stairways, corridors, illumination of hotel interiors

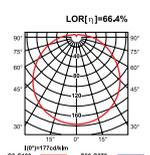


TECHNICAL DATA

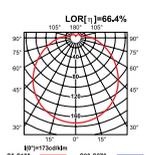
Code	Power [W]	Base	Dimensions [mm] WH	Weight [kg]
100041.1105.2.920	1x22	2Gx13	390 100	1,2
100041.1203.2.920	2x13	G24q-1	390 100	1,3
100041.1204.2.920	2x18	2G11	390 100	1,3

LIGHT BEAM CURVES

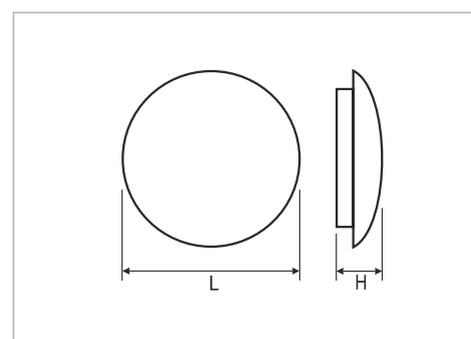
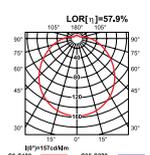
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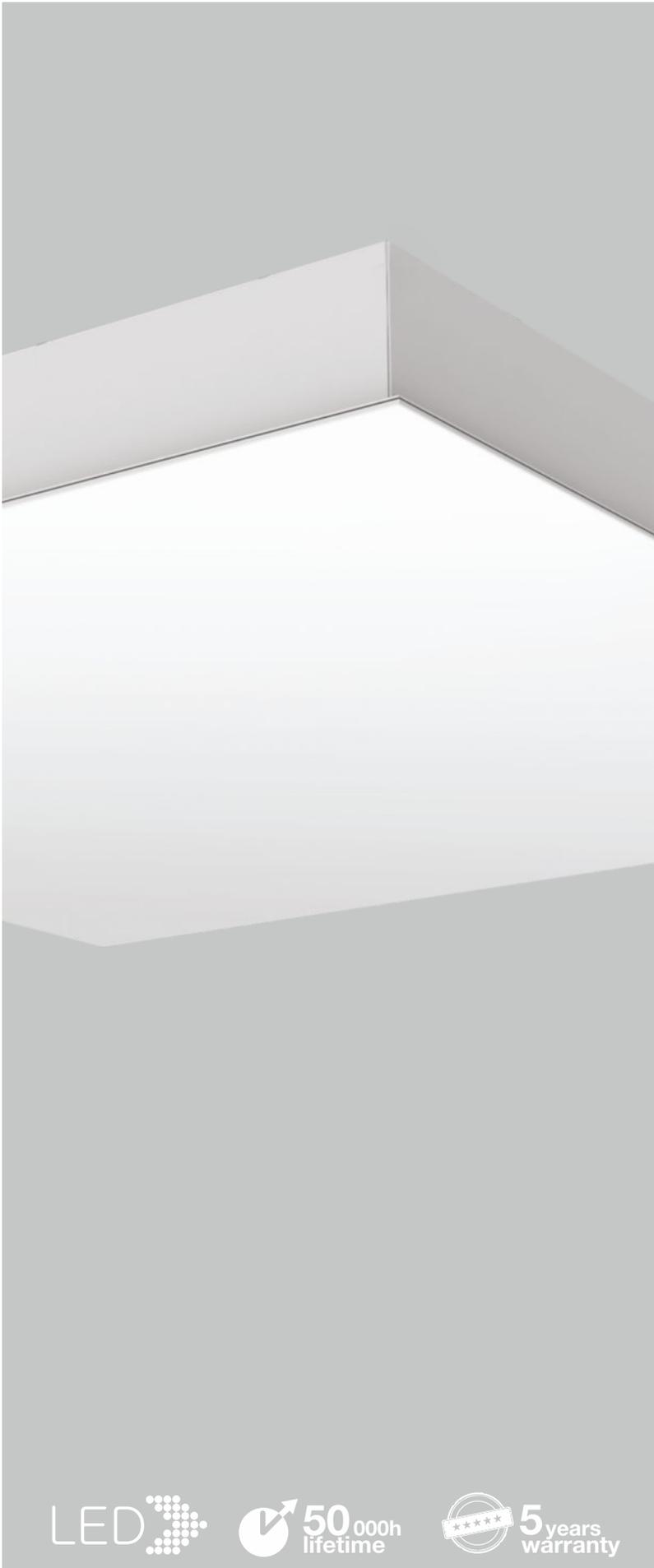
100041.5L013.101



100041.5L022.201



LIGHT MACHINES FOR SALES INCREASING



LED 

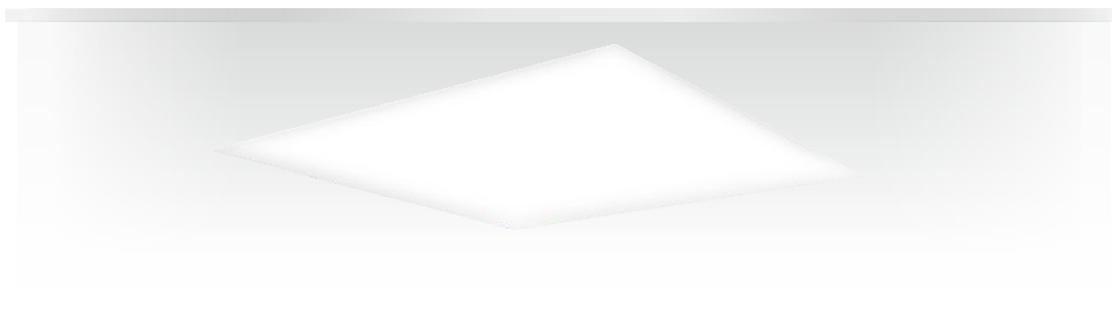
 50 000h
lifetime

 5 years
warranty

LUGCLASSIC p/t LED

Excellent lighting performance of this recessed luminaire meets the expectations of retail & applications.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



LUGCLASSIC p/t LED

DESCRIPTION:
modern recessed luminaire for modular suspended ceilings for LED light sources

TECHNICAL DATA

Body: powder-painted steel sheet

Colour: white

Way of mounting: directly in the ceiling construction

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Way of lighting: direct

Louver / difuser: opal plexiglass diffuser (PLX)

ADDITIONAL INFO

Additionally available: emergency kit LED

Application: public utility buildings, offices, conference and computer rooms, class and lecture rooms, editorial offices

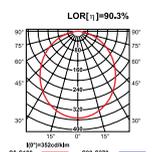
TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H D	Weight [kg]
600x600								
060141.5L05.315	4800	4250	3000	>80	44	48	595 595 72 103	5,2
060141.5L06.315	5000	4450	4000	>80	44	48	595 595 72 103	5,2
060141.5L07.315	9600	8200	3000	>80	92	102	595 595 72 103	5,7
060141.5L08.315	10000	8500	4000	>80	92	102	595 595 72 103	5,7
625x625								
060141.5L05.325	4800	4250	3000	>80	44	48	622 622 63 93	6,0
060141.5L06.325	5000	4450	4000	>80	44	48	622 622 63 93	6,0
060141.5L07.325	9600	8200	3000	>80	92	102	622 622 63 93	6,0
060141.5L08.325	10000	8500	4000	>80	92	102	622 622 63 93	6,0

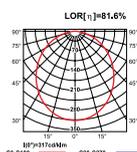
¹⁾ Luminous flux tolerance + / - 10%

LIGHT BEAM CURVES

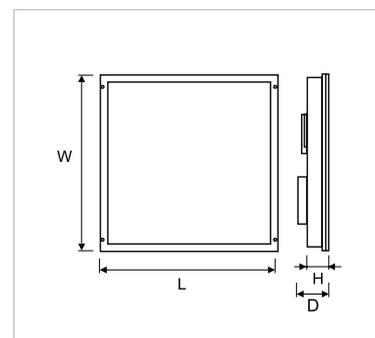
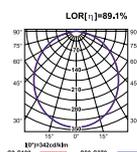
060141.5L05.315



060141.5L07.315



060141.5L05.325





LUGTRACK 2 LED
LUGTRACK 5 LED

LUGTRACK LED is a professional innovative quick assembly line for LED sources of light.

Very good parameters of lighting and excellent quality provide high performance and fast return on investment.

Universal design allows to apply the luminaire to any interior.

LED

50,000h
lifetime

100
LUMENS WATT

QUICK-ASSEMBLY LINES



LUGTRACK 2 LED

DESCRIPTION:

modern LED luminaire for quick assembly, construction of the luminaire enables quick, easy and tool-less connection into long lighting systems (available in 1,5m and 3m-long dimension) by the usage of mounting elements

ADDITIONAL INFO

Other remarks: through wiring 5 x 2,5mm (as a standard), connector (1 pcs.) with option of hook installation

Application: large-space objects e.g. supermarkets, warehouses, production halls, storerooms and logistics centres

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

TECHNICAL DATA

Body: galvanised coated steel sheet

Way of mounting: luminaire to be suspended on chains or steel wires (manufacturer does not provide any suspension wires or chains)

OPTICAL DATA

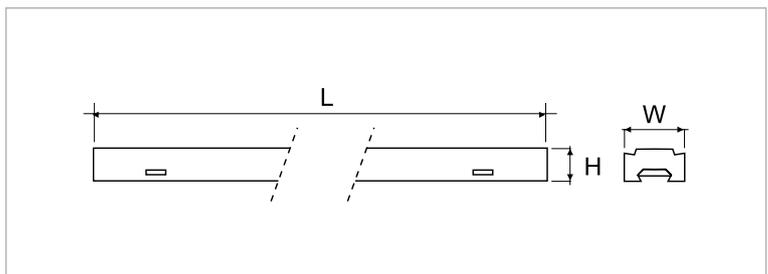
Louwer / difuser: opal plexiglass diffuser (PLX)

TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
080101.XL06.11	3150	2700	3000	>80	30	33	1500 129 57	2,8
080101.XL07.11	3550	3100	4000	>80	29	32	1500 129 57	2,8
080101.XL08.11	4850	4100	3000	>80	43	46	1500 129 57	2,8
080101.XL09.11	5500	4700	4000	>80	42	45	1500 129 57	2,8
080101.XL10.11	5700	4800	3000	>80	54	60	1500 129 57	2,8
080101.XL11.11	6400	5500	4000	>80	52	56	1500 129 57	2,8
080101.XL12.11	8000	6800	3000	>80	73	77	1500 129 57	2,8
080101.XL13.11	9200	7800	4000	>80	71	75	1500 129 57	2,8
080101.XL14.21	6350	5400	3000	>80	60	67	3000 129 57	5,6
080101.XL15.21	7150	6100	4000	>80	58	64	3000 129 57	5,6
080101.XL16.21	9650	8200	3000	>80	86	92	3000 129 57	5,6
080101.XL17.21	10950	9300	4000	>80	84	91	3000 129 57	5,6
080101.XL18.21	11400	9700	3000	>80	108	120	3000 129 57	5,6
080101.XL19.21	12850	10900	4000	>80	105	112	3000 129 57	5,6
080101.XL20.21	15950	13600	3000	>80	145	153	3000 129 57	5,6
080101.XL21.21	18350	15600	4000	>80	142	150	3000 129 57	5,6

¹⁾ Luminous flux tolerance + / - 10%

080101. L06.11
 | Equipment
 5 Standard
 3 DALI



QUICK-ASSEMBLY LINES



LUGTRACK 5 LED

DESCRIPTION:

modern LED luminaire for quick assembly, construction of the luminaire enables quick, easy and tool-less connection into long lighting systems (available in 1,5m and 3m-long dimension) by the usage of mounting elements

TECHNICAL DATA

Body: powder-painted steel sheet, aluminium

Additional elements: accessories

Colour: white

Way of mounting: on wire or chains suspension (manufacturer does not provide suspensions)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Way of lighting: direct

Louwer / difuser: opal plexiglass diffuser (PLX)

ADDITIONAL INFO

Additionally available: through wiring 5x2,5mm² (as a standard), modules supplied with one assembly holder (1,5m - 1pcs, 3m - 2pcs), mechanical connector (1pcs)

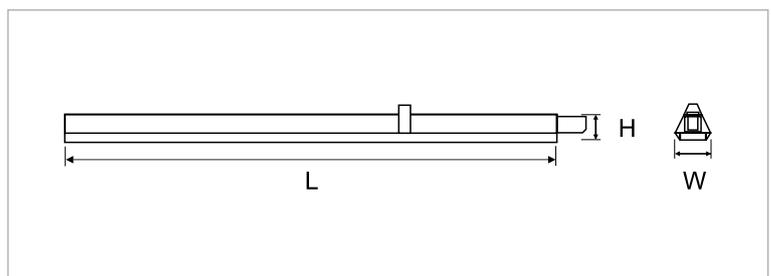
Other remarks: to supply a particular lighting system order the supply connector (on request)

Application: large-space objects e.g. supermarkets, warehouses, production halls, storerooms and logistics centres

TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
080091.5L13.11	3150	2800	3000	>80	30	33	1500 111 90	4,1
080091.5L14.11	3550	3200	4000	>80	29	32	1500 111 90	4,1
080091.5L15.11	4850	4200	3000	>80	43	46	1500 111 90	4,1
080091.5L16.11	5500	4800	4000	>80	42	45	1500 111 90	4,1
080091.5L17.11	5700	4900	3000	>80	54	58	1500 111 90	4,1
080091.5L18.11	6400	5600	4000	>80	52	56	1500 111 90	4,1
080091.5L19.11	8000	7000	3000	>80	74	78	1500 111 90	4,1
080091.5L20.11	9200	8000	4000	>80	70	74	1500 111 90	4,1
080091.5L21.21	6350	5600	3000	>80	60	66	3000 111 90	8,5
080091.5L22.21	7150	6400	4000	>80	58	64	3000 111 90	8,5
080091.5L23.21	9650	8600	3000	>80	86	92	3000 111 90	8,5
080091.5L24.21	10950	9800	4000	>80	84	90	3000 111 90	8,5
080091.5L25.21	11400	10200	3000	>80	108	116	3000 111 90	8,5
080091.5L26.21	12850	11400	4000	>80	104	112	3000 111 90	8,5
080091.5L27.21	15950	14200	3000	>80	148	156	3000 111 90	8,5
080091.5L28.21	18350	16300	4000	>80	140	148	3000 111 90	8,5

¹⁾ Luminous flux tolerance + / - 10%

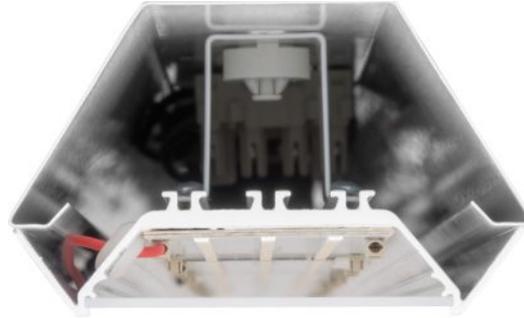


The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

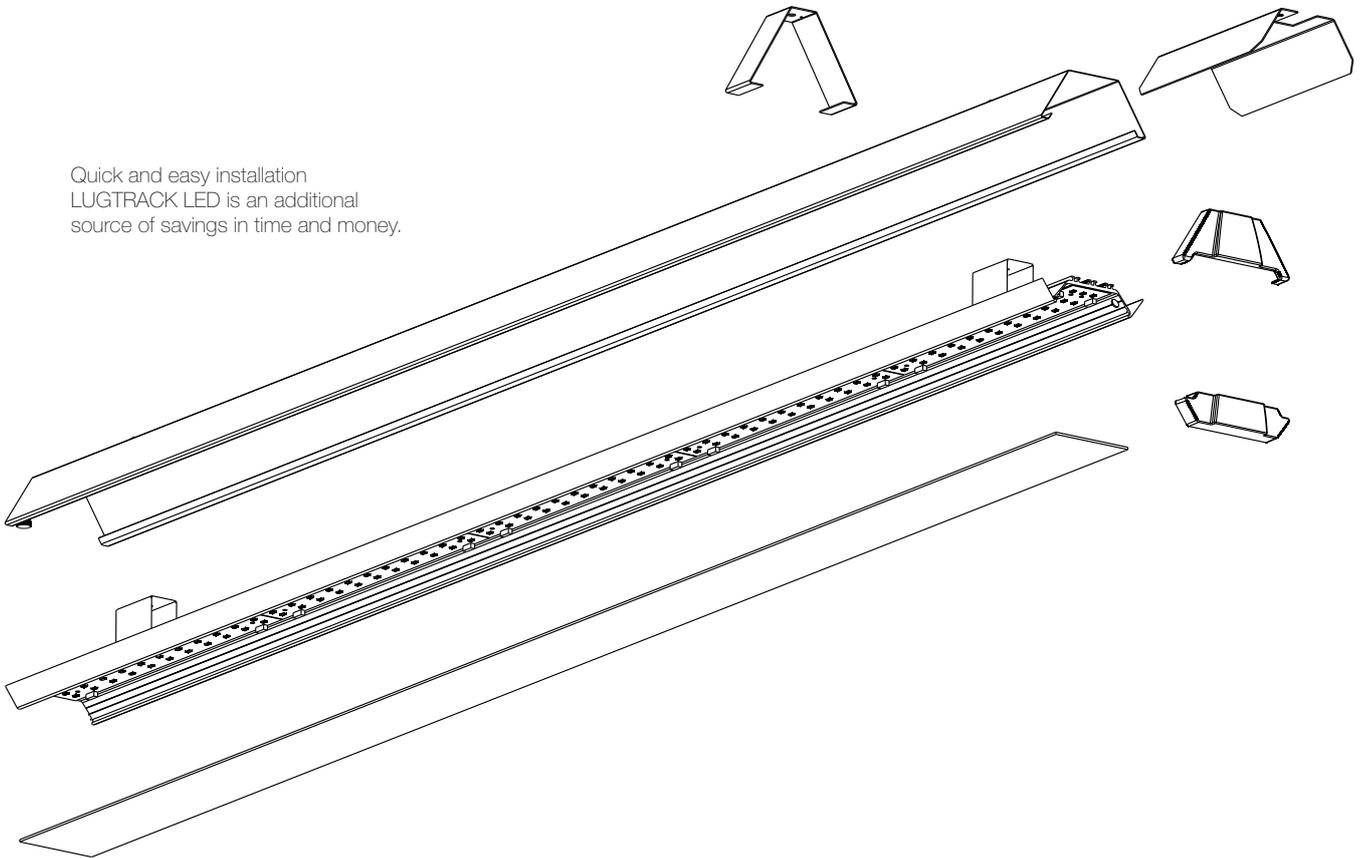
LUGTRACK 5 LED

THE LATEST QUICK-ASSEMBLY LINE FITTING WITH UNIQUE LIGHTING PARAMETERS

- ▶ efficacy up to 103 lm/W!
- ▶ efficiency > 90%
- ▶ 5 years warranty
- ▶ lifetime 50 000 h
- ▶ 3 and 5 conductor wire, 7 conductor wire on request additionally: Wieland through wiring
- ▶ diffuser: satin plexiglass, half-mat or microprismatic
- ▶ toolless quick installation



Quick and easy installation
LUGTRACK LED is an additional source of savings in time and money.



Toolless installation



CASE STUDY

ASSUMPTIONS

size: 46,4 x 28,6 x 7m
 operating time: 24h/day, 365 day/year
 energy price: 0,19 €/kWh

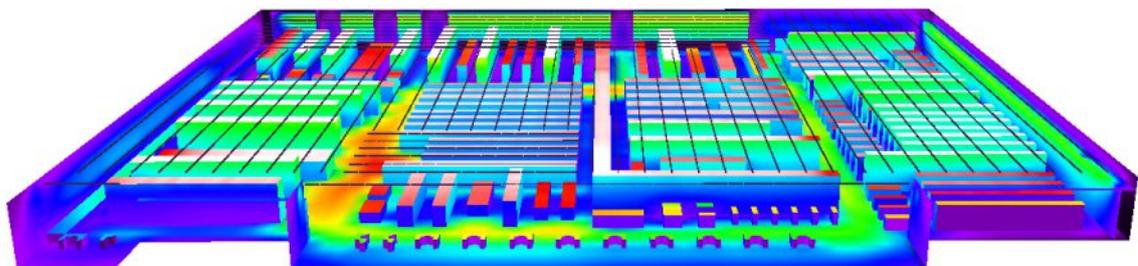
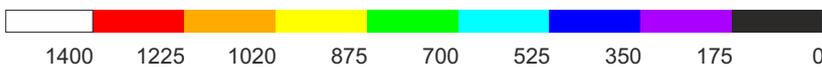
 Supermarket	high quality luminaire 2x49W	LUGTRACK LED
Luminaires quantity	2194	2194
Average illuminance [lx]	699	803
Light source type	T5	LED
Light source flux [lm]	8600	9200
Luminaire flux [lm]	7234	8000
Power consumption - system [W]	106	74
Total power consumption [kWh/a]	2 037 261	1 422 239
Energy cost per year [€]	387 079,52	270 225,33



 ANNUAL SAVINGS
116 854,20 €

These calculations are examples.
 LUG Company will prepare detailed calculations for each object, after an audit of the lighting.

illuminance [lx]



Supermarket size 1327m²





LUGTRACK 5

The aim of illuminating hypermarkets, discounts and other such facilities is the exposition of products on the shelves, so that they are easily recognizable by customers.

A well designed illumination system for large commercial areas is characterized by high light intensity while maintaining evenness and a cool tone. Such solutions encourage customers to make quick and accurate shopping decisions.

An important element in such facilities is energy-efficiency of the illumination systems and a proper direction of the stream of light.

The fast assembly lines offered by the LUG company meet all of the above requirements.

LUGTRACK 5

DESCRIPTION:

modern quick-assembly luminaire for linear fluorescent lamps T5 and T8; luminaire construction allows on fast, easy and tool less connection into lighting systems by the use of mounting elements

TECHNICAL DATA

Body: powder-painted steel sheet

Additional elements: plastic end caps

Colour: white

Way of mounting: on wire or chains suspension (manufacturer does not provide suspensions)

ELECTRICAL DATA

Type of equipment: electronic ballast

ADDITIONAL INFO

Other remarks: to supply a particular lighting system, the supply connector (on request)

Application: large-space objects e.g. supermarkets, warehouses, production halls, storerooms and logistics centres



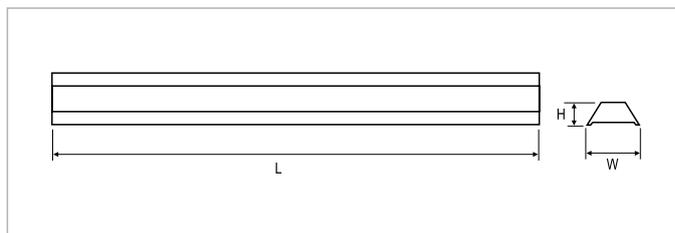
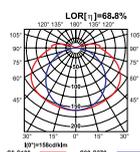
TECHNICAL DATA

Code	Emergency kit	Power [W]	Base	Dimensions [mm] L W H	Weight [kg]
HF					
080011.11101.1	+	1x35	G5	1472 109 48	1,5
080011.11102.1	+	1x49	G5	1472 109 48	1,5
080011.11103.1	+	1x80	G5	1472 109 48	1,5
080011.11201.1	+	2x35	G5	1530 109 48	1,5
080011.11202.1	+	2x49	G5	1472 109 48	1,5
080011.11203.1	¹⁾	2x80	G5	1472 109 48	1,5
080011.12101.2	+	2x1x35	G5	2944 109 48	2,4
080011.12102.2	+	2x1x49	G5	2944 109 48	2,4
080011.12103.2	+	2x1x80	G5	2944 109 48	2,4
080011.12201.2	+	2x2x35	G5	2944 109 48	2,7
080011.12202.2	+	2x2x49	G5	2944 109 48	2,7
080011.12203.2	¹⁾	2x2x80	G5	2944 109 48	2,7
080011.11104.3	+	1x58	G13	1472 109 48	1,6
080011.11204.3	+	2x58	G13	1530 109 48	1,6
080011.12104.4	+	2x1x58	G13	3060 109 48	2,5
080011.12204.4	+	2x2x58	G13	3060 109 48	2,8
MULTI					
080011.41103.1	+	1x35/49/80	G5	1472 109 48	1,5
080011.41203.1	¹⁾	2x35/49/80	G5	1472 109 48	1,5
080011.42103.2	+	2x1x35/49/80	G5	2944 109 48	2,4
080011.42203.2	¹⁾	2x2x35/49/80	G5	2944 109 48	2,7

¹⁾ Please contact LUG technical dept. for information on combining the solutions as listed above

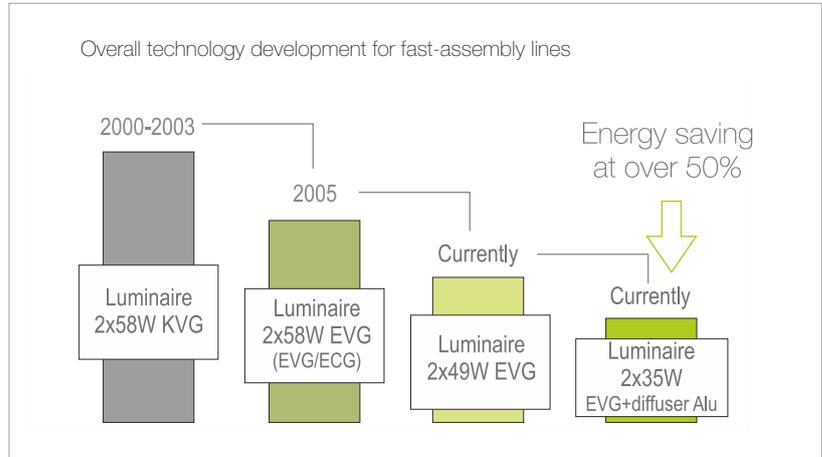
LIGHT BEAM CURVES

080011.11101.1



LUGTRACK 5

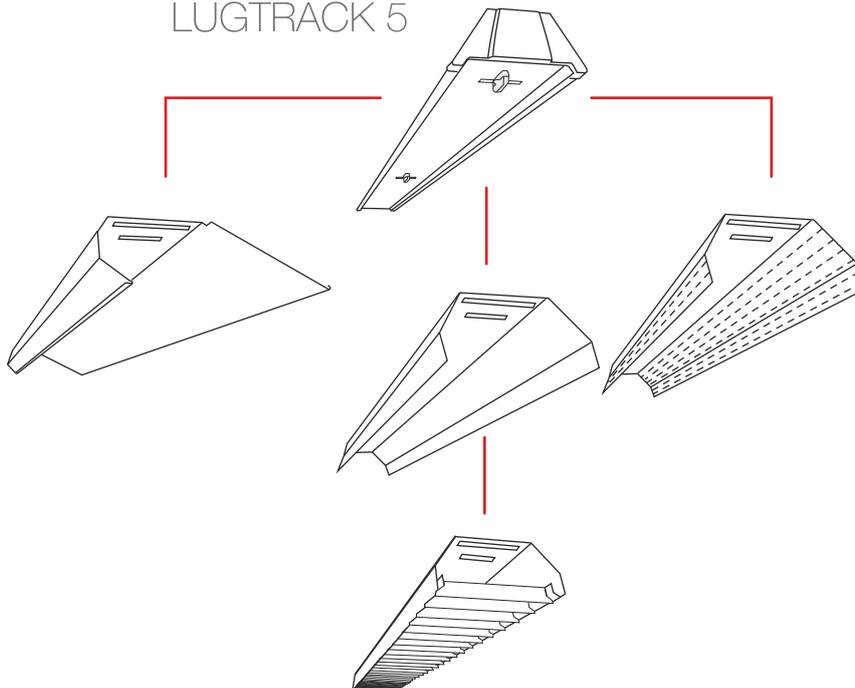
- ▶ symmetrical white diffuser
- ▶ white perforated diffuser
- ▶ aluminium asymmetric diffuser
- ▶ double asymmetric diffuser
- ▶ aluminium glossy diffuser
- ▶ aluminium narrow-beam diffuser
- ▶ lamellar louver
- ▶ PAR louver



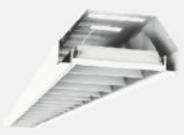
Energy saving value per one luminaire

	Light source life time	Energy-saving value per 1 luminaire		
		15 000	18 000	24 000
	Power Consumption	Lighting system: 2x58W KVG	Lighting system: 2x58W EVG	Lighting system: 2x35W EVG
Lighting system: 2x58W KVG	137W	X	27W	59W
Lighting system: 2x58W EVG	110W	27W	X	27W
Lighting system: 2x35W EVG	78W	59W	32W	X

LUGTRACK 5



LUGTRACK 5 ACCESSORIES

	code		light distribution
	150111.00202	white module with PAR T5 louver	
	150111.00203	white module with PAR T8 louver	
	150111.00204	white module with lamellar louver T5	
	150111.00205	white module with lamellar louver T8	
	150111.00206	T5 white reflector	
	150111.00207	T8 white reflector	
	150110.00208	T5 symmetrical aluminum reflector (glossy)	
	150110.00209	T8 symmetrical aluminum reflector (glossy)	
	150110.00210	T5 asymmetrical aluminum reflector (glossy)	
	150110.00211	T8 asymmetrical aluminum reflector (glossy)	
	150111.00212	Perforated white reflector T5	
	150111.00213	Perforated white reflector T8	
	150110.00214	T5 narrow-beam aluminium reflector (glossy)	
	150110.00215	T8 narrow-beam aluminium reflector (glossy)	

	150111.00216	module end cap (2 pcs.)		150110.00221	supply connectors (set)
	150111.00217	reflector and louver end cap (set of 2 pcs.) T5		150110.00222	mounting bracket
	150111.00218	reflector and louver end cap (set of 2 pcs.) T8		150110.00223	set of safety swing hook and knurled thumb nuts
	150111.00219	90° connector		150111.00224	a cover masking connections between the reflectors T5
	150110.00220	Connector		150111.00225	a cover masking connections between the reflectors T8



LUGTRACK LENS LED

LUGTRACK LENS LED is a professional innovative quick assembly line for LED sources of light.

Very good parameters of lighting and excellent quality provide high performance and fast return on investment.

Universal design allows to apply the luminaire to any interior.

LED 

 50,000h
lifetime

100
LUMENS WATT

QUICK-ASSEMBLY LINES



LUGTRACK LENS LED

DESCRIPTION:

modern quick-assembly luminaire for LED sources; luminaire construction allows fast, easy and tool-less connection into lighting systems by the use of mounting elements (available in 1,5 m and 3 m lines)

TECHNICAL DATA

Body: powder-painted steel sheet

Additional elements: plastic end caps

Colour: white

Way of mounting: directly to the ceiling or suspended on chains and steel wires (luminaire manufacturer does not provide any suspending wires and chains)

ELECTRICAL DATA

Type of equipment: electronic ballast

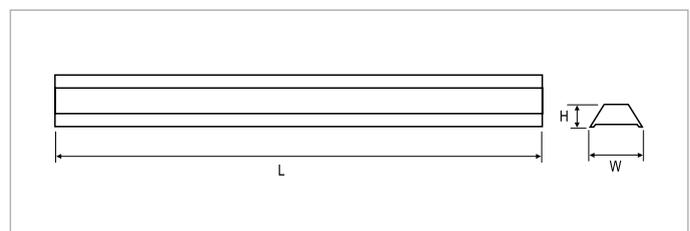
ADDITIONAL INFO

Other remarks: available 3 optics: Wide, Narrow, Double Asimetric

Application: large-space objects e.g. supermarkets, warehouses, production halls, storerooms and logistics centres

TECHNICAL DATA

CODE	Power LED [W]	Luminaire power [W]	Lumen LED [lm]	Lumen luminaire [lm]	Beam angle	Color temperature [K]	Colour Rendering Index [CRI]	Dimensions LxWxH [mm]
optic Wide								
Lugtrack 2 LED VW	37	41	5300	4650	95	3000	>80	1440 84 45
Lugtrack 2 LED VW	37	41	5500	4850	95	4000	>80	1440 84 45
Lugtrack 2 LED VW	54	59	7200	6350	95	3000	>80	1440 84 45
Lugtrack 2 LED VW	54	59	7500	6600	95	4000	>80	1440 84 45
optic Narrow								
Lugtrack 2 LED VN	37	41	5300	4650	43	3000	>80	1440 84 45
Lugtrack 2 LED VN	37	41	5500	4850	43	4000	>80	1440 84 45
Lugtrack 2 LED VN	54	59	7200	6350	43	3000	>80	1440 84 45
Lugtrack 2 LED VN	54	59	7500	6600	43	4000	>80	1440 84 45
optic Double Asimetric								
Lugtrack 2 LED DOUBLE AS	37	41	5300	4650	--	3000	>80	1440 84 45
Lugtrack 2 LED DOUBLE AS	37	41	5500	4850	-	4000	>80	1440 84 45
Lugtrack 2 LED DOUBLE AS	54	59	7200	6350	-	3000	>80	1440 84 45
Lugtrack 2 LED DOUBLE AS	54	59	7500	6600	-	4000	>80	1440 84 45





LED 

 50,000h
lifetime

111
LUMENS WATT

ATLANTYK STRONG LED

ATLANTYK STRONG LED is an industrial luminaire for LED light sources, water-jet protected with an increased chemical resistance, dedicated to use in extreme environments. Best in the class, with outstanding parameters of lighting, ensures high performance and short payback period.

INDUSTRIAL LUMINAIRES

ATLANTYK STRONG LED

DESCRIPTION:

industrial luminaire for LED light sources, water-jet protected with an increased chemical resistance, dedicated to use in extreme environments

TECHNICAL DATA

Body: polyester material reinforced with fibreglass

Type of difuser: opal acrylic

Additional elements: stainless steel clips

Colour: gray

Way of mounting: directly on the ceiling or suspended using hooks (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, emergency kit LED

Other remarks: In case of application of the luminaires in hard chemical environment please contact LUG Technical Department or check Chemical Resistance table - available both, in the catalogue and on our website.

Application: parking lots, heavy and chemical industries, bakeries, restaurant kitchens, butchers, swimming pools, outdoor roofings, production halls, power plants



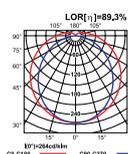
TECHNICAL DATA

Code	Emergency kit	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
090250.5L01.711	+	3550	3200	4000	>80	29	32	1299 85 92 700	1,7
090250.5L03.711	+	4400	3900	4000	>80	33	35	1299 85 92 700	1,7
090250.5L04.711	+	5300	4700	4000	>80	42	45	1299 85 92 700	1,7
090250.5L05.711	+	7400	6640	4000	>80	57	61	1299 85 92 700	1,7
090250.5L06.711	+	2950	2650	3000	>80	25	28	1299 85 92 700	1,7
090250.5L08.711	+	4200	3650	3000	>80	33	35	1299 85 92 700	1,7
090250.5L09.711	+	5100	4500	3000	>80	42	45	1299 85 92 700	1,7
090250.5L10.711	+	7100	6380	3000	>80	57	61	1299 85 92 700	1,7
radar motion detector									
090250.5L01.711.920	-	3550	3200	4000	>80	29	32	1299 85 92 700	1,7
090250.5L03.711.920	-	4400	3900	4000	>80	33	36	1299 85 92 700	1,7
090250.5L04.711.920	-	5300	4700	4000	>80	42	46	1299 85 92 700	1,7
090250.5L05.711.920	-	7400	6640	4000	>80	57	62	1299 85 92 700	1,7
090250.5L06.711.920	-	2950	2650	3000	>80	25	29	1299 85 92 700	1,7
090250.5L08.711.920	-	4200	3650	3000	>80	33	36	1299 85 92 700	1,7
090250.5L09.711.920	-	5100	4500	3000	>80	42	46	1299 85 92 700	1,7
090250.5L10.711.920	-	7100	6380	3000	>80	57	62	1299 85 92 700	1,7

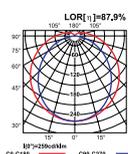
¹⁾ Luminous flux tolerance + / - 10%

LIGHT BEAM CURVES

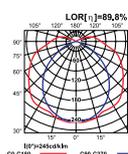
090250.5L01.711



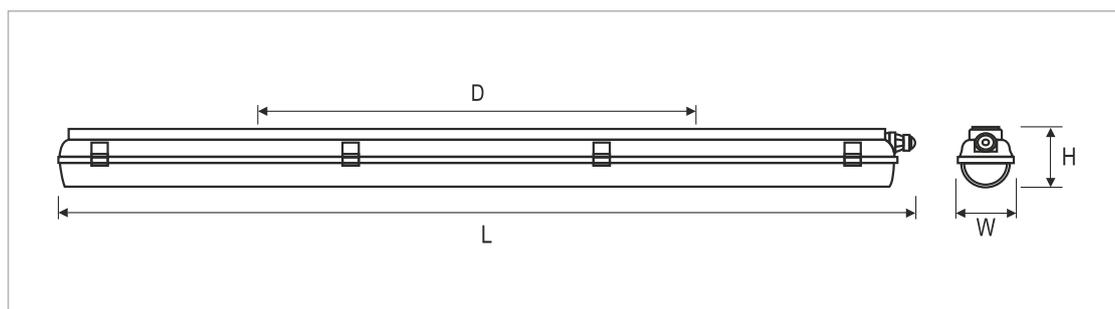
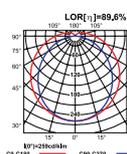
090250.5L03.711



090250.5L04.711



090250.5L05.711



ATLANTYK STRONG LED



CASE STUDY

ASSUMPTIONS

size: 100 x 30 = 3000 m² high 2,5 m
 operating time: 14h/day, 350 days/year
 energy price: 0,19 €/kWh

 underground parking space	Luminaire of other European leading manufacturer HF 1x58W T8 IP65	ATLANTYK STRONG LED 4400 lm IP65
Luminaires quantity	80	60
Average illuminance [lx]	>75	>75
Light source type	T8	LED
Light source flux [lm]	5000	4400
Luminaire flux [lm]	3500	3889
System power consumption [W]	54	35
Total power consumption [kWh/a]	21 168	10 290
Energy cost per year [€]	4 021,92	1 955,10



ANNUAL SAVINGS

2 066,82 €

These calculations are examples.
 LUG Company will prepare detailed calculations for each object, after an audit of the lighting.

INDUSTRIAL LUMINAIRES



THE LATEST INDUSTRIAL LUMINAIRE WITH UNIQUE LIGHTING PARAMETERS

- ▶ efficacy up to 111 lm/W!
- ▶ efficiency > 90%
- ▶ CRI > 80
- ▶ payback time < 2 years
- ▶ PMMA diffuser, GRP body
- ▶ on request: DIMM DALI
- ▶ fast installation
- ▶ water-jet protected
- ▶ operating temperature range: from -25°C to 30°C





LED 

 50,000h
lifetime

CRUISER LED

Heavy-duty LED high bay luminaire providing the lighting for warehouses and ambient parking areas of shopping mall.

CRUISER LED

DESCRIPTION:

industrial luminaire for LED light sources

TECHNICAL DATA

Body: high pressure die-cast aluminum

Type of difuser: tempered glass

Colour: gray

Way of mounting: suspended using hooks (included)

ELECTRICAL DATA

Type of equipment: programmable LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 55°, 110°

ADDITIONAL INFO

Other remarks: DALI (.968)

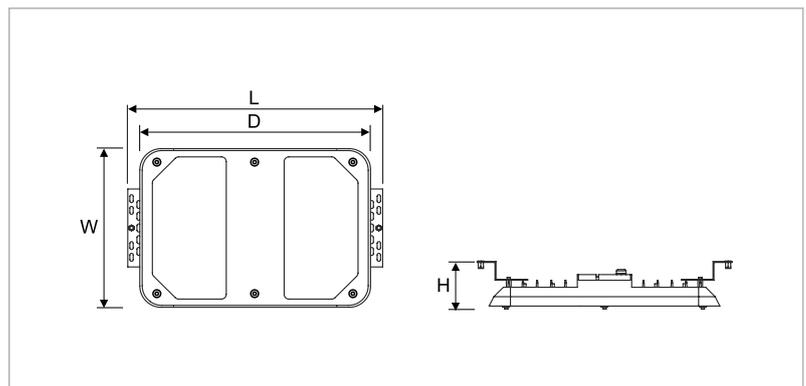
Application: industrial plants, manufacturing plants, warehouses, tunnels



TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H D	Weight [kg]
LLOC									
090282.PL01.211	55°	22000	16300	6500	65	150	155	540 338 102 488	6,5
090282.PL01.213	110°	22000	16300	6500	65	150	155	540 338 102 488	6,5
090282.PL02.211	55°	18000	13300	4000	80	150	155	540 338 102 488	6,5
090282.PL02.213	110°	18000	13000	4000	80	150	155	540 338 102 488	6,5
DALI									
090282.PL01.211.968	55°	22000	16300	6500	65	150	155	540 338 102 488	6,5
090282.PL01.213.968	110°	22000	16300	6500	65	150	155	540 338 102 488	6,5
090282.PL02.211.968	55°	18000	13300	4000	80	150	155	540 338 102 488	6,5
090282.PL02.213.968	110°	18000	13000	4000	80	150	155	540 338 102 488	6,5

¹⁾ Luminous flux tolerance + / - 10%





UMBRELLA MAX R **UMBRELLA MAX H**

Both historic architecture and modern railway buildings require lighting solutions of the highest quality. Both general lighting of the central part of a railway station and long, wide walkways for passengers, should be discrete and elegant. Luminaires by LUG perfectly match with the architectural project of the interior providing very good lighting parameters too.

STREET AND AREA LIGHTING

UMBRELLA MAX R

DESCRIPTION:

Outdoor illumination luminaire for metal halide lamps

TECHNICAL DATA

Body: high pressure die-cast aluminum

Additional elements: white reflector

Colour: gray

Way of mounting: on pillars

ELECTRICAL DATA

Type of equipment: electromagnetic ignition system

Including light source: no

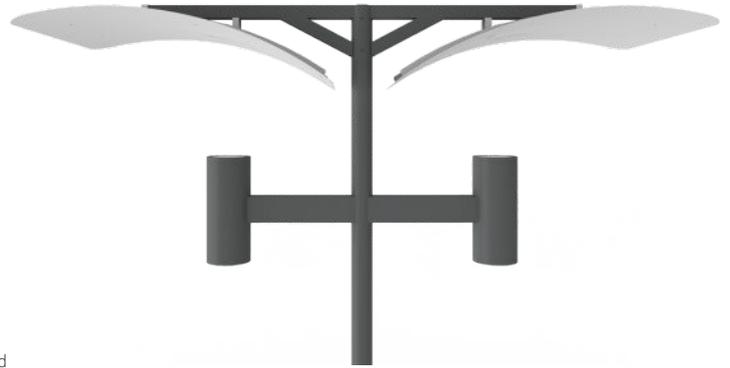
OPTICAL DATA

Way of lighting: indirect

Optical system: white aluminum sheet

ADDITIONAL INFO

Application: decorative illumination of representative city squares, walkways, buildings and car parks



TECHNICAL DATA

Code	Beam angle	Power [W]	Base	Dimensions [mm] L W H	Weight [kg]
130202.601.11	15°/45°	2x70	G12	2882 959 4266	57,0
130202.601.12	15°/15°	2x70	G12	2882 959 4266	57,0

UMBRELLA MAX H

DESCRIPTION:

decorative park luminaire for metal halide lamps

TECHNICAL DATA

Body: die-cast aluminum

Colour: white

Way of mounting: on pillars

ELECTRICAL DATA

Type of equipment: electromagnetic ignition system

Including light source: no

OPTICAL DATA

Way of lighting: indirect

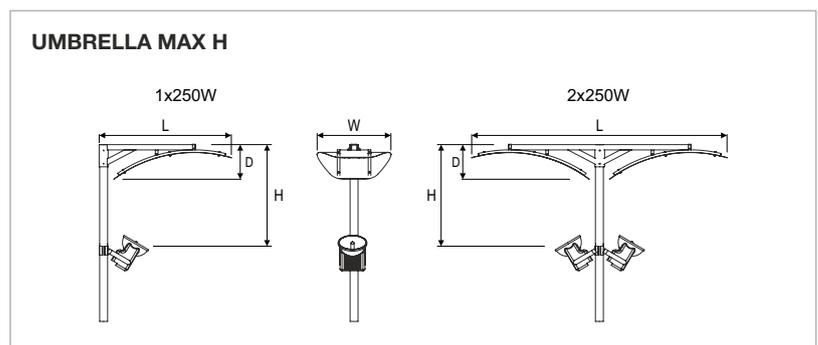
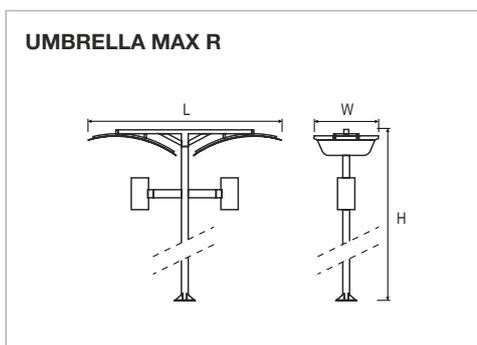
Optical system: white aluminum sheet

ADDITIONAL INFO

Application: decorative illumination of representative city squares, walkways, buildings and car parks



Code	Power [W]	Base	Dimensions [mm] L W H D
130101.6101	1x250	E40	1484 829 1150 392
130101.6201	2x250	E40	2869 829 1150 392





MODENA LED
MODENA RGB LED

Outdoor illuminations emphasize details of building construction, create atmosphere and catch attention. Properly prepared illumination gives special aesthetic experiences.

LED

50,000h
lifetime

ARCHITECTONIC LUMINAIRES

MODENA LED

DESCRIPTION:

decorative wall luminaire IP65 for architectonic indoor and outdoor applications, featuring high quality LED light sources

TECHNICAL DATA

Body: aluminium profile

Type of difuser: transparent glass

Colour: gray

Way of mounting: directly on the wall or in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 10°, 22°, 45°, 40x15°, 15x40°

ADDITIONAL INFO

Application: decorative illumination of various building facades, interiors of shopping malls, hotels, training centers, conference rooms, restaurants, corridors, museums



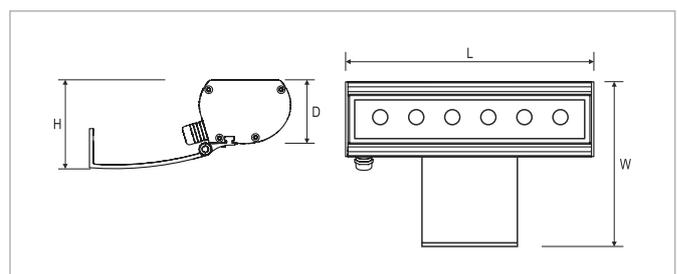
TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Dimensions [mm] L W H D	Weight [kg]
140082.5L0111.0X	570	450	3000	>80	6	312 205 90 66	1,3
140082.5L0121.0X	750	600	6000	>80	6	312 205 90 66	1,3
140082.5L0131.0X	180	150	red	-	6	312 205 90 66	1,3
140082.5L0141.0X	460	350	green	-	6	312 205 90 66	1,3
140082.5L0151.0X	220	150	blue	-	6	312 205 90 66	1,3
140082.5L0161.0X	480	400	amber	-	6	312 205 90 66	1,3
140082.5L0211.0X	1100	900	3000	>80	12	612 205 90 66	2,2
140082.5L0221.0X	1500	1200	6000	>80	12	612 205 90 66	2,2
140082.5L0231.0X	370	300	red	-	12	612 205 90 66	2,2
140082.5L0241.0X	930	700	green	-	12	612 205 90 66	2,2
140082.5L0251.0X	450	350	blue	-	12	612 205 90 66	2,2
140082.5L0261.0X	970	750	amber	-	12	612 205 90 66	2,2
140082.5L0311.0X	1700	1350	3000	>80	18	912 205 90 66	3,1
140082.5L0321.0X	2300	1850	6000	>80	18	912 205 90 66	3,1
140082.5L0331.0X	550	450	red	-	18	912 205 90 66	3,1
140082.5L0341.0X	1400	1100	green	-	18	912 205 90 66	3,1
140082.5L0351.0X	680	550	blue	-	18	912 205 90 66	3,1
140082.5L0361.0X	1450	1150	amber	-	18	912 205 90 66	3,1
140082.5L0411.0X	2250	1800	3000	>80	24	1212 205 90 66	4,0
140082.5L0421.0X	3050	2450	6000	>80	24	1212 205 90 66	4,0
140082.5L0431.0X	740	600	red	-	24	1212 205 90 66	4,0
140082.5L0441.0X	1850	1500	green	-	24	1212 205 90 66	4,0
140082.5L0451.0X	900	700	blue	-	24	1212 205 90 66	4,0
140082.5L0461.0X	1900	1520	amber	-	24	1212 205 90 66	4,0

¹⁾ Luminous flux tolerance + / - 10%

140082.5L0111.0

- Beam angle
- 2 10°
 - 3 22°
 - 4 45°
 - 7 40x15°
 - 8 15x40°



For LDT files, please visit our website

ARCHITECTONIC LUMINAIRES



MODENA RGB LED

DESCRIPTION:

decorative wall luminaire IP65 for architectonic indoor and outdoor applications, featuring high quality LED light sources, available with DMX control system

TECHNICAL DATA

Body: aluminium profile

Type of difuser: transparent glass

Colour: gray

Way of mounting: directly on the wall or in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Beam angle: 10°, 22°, 45°, 40x15°

ADDITIONAL INFO

Application: decorative illumination of various building facades, interiors of shopping malls, hotels, training centers, conference rooms, restaurants, corridors, museums

TECHNICAL DATA

Code	Power [W]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H D	Weight [kg]
140082.9L0181.0X	9x2	18	21	320 210 95 70	2,0
140082.9L0281.0X	18x2	36	41	620 210 95 70	3,1
140082.9L0381.0X	27x2	54	62	920 210 95 70	4,2
140082.9L0481.0X	36x2	72	82	1220 210 95 70	5,2

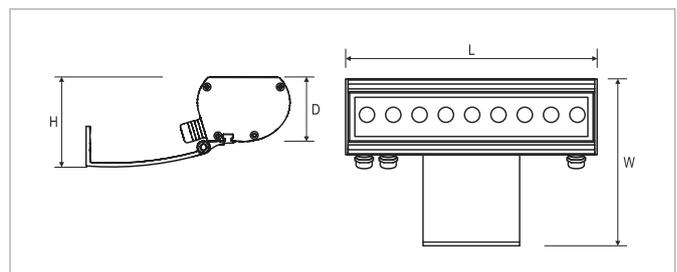
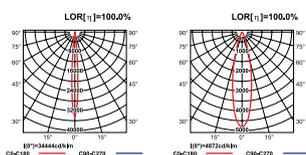
140082.9L0181.0

- Beam angle
- 2 10°
- 3 22°
- 4 45°
- 7 40x15°

LIGHT BEAM CURVES

140082.9L0181.01

140082.9L0181.03



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires





GROUNDLINE MAT LED **GROUNDLINE AS LED**

Outdoor illuminations of buildings emphasize architectural details of construction, create unique atmosphere and catch attention. Properly applied illumination ensures special aesthetics experiences.

LED

50,000h
lifetime

ARCHITECTONIC LUMINAIRES



GROUNDLINE AS LED

DESCRIPTION:

decorative architectural luminaire IP67 with mechanical impact resistance IK10 supplied with high quality LED light sources

TECHNICAL DATA

Body: aluminum

Type of difuser: transparent tempered glass

Additional elements: acid-proof steel frame

Way of mounting: in the ground in a assembly box

ELECTRICAL DATA

Type of equipment: LED driver in a separate box (included)

Including light source: yes

OPTICAL DATA

Way of lighting: asymmetric

Beam angle: 10°, 40°x15°

ADDITIONAL INFO

Other remarks: permissible maximum load up to 500kg, this is not 'drive over' luminaire

Application: decorative illumination of both indoor and outdoor pathways, avenues, arcades, pavements, bus and train stations, airports, subways, shopping malls, hotels, building facades

TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Cut out dimensions [mm] L W H	Weight [kg]
140483.5L031.12	10°	1000	700	3000	>80	12	14	636 115 124	629 104 120	5,5
140483.5L031.22	40° x 15°	1000	700	3000	>80	12	14	636 115 124	629 104 120	5,5
140483.5L032.12	10°	2050	1200	6500	>60	12	14	636 115 124	629 104 120	5,5
140483.5L032.22	40° x 15°	2050	1200	6500	>60	12	14	636 115 124	629 104 120	5,5
140483.5L011.11	10°	1500	1050	3000	>80	18	21	926 115 124	918 104 120	7,0
140483.5L011.21	40° x 15°	1500	1050	3000	>80	18	21	926 115 124	918 104 120	7,0
140483.5L012.11	10°	2550	1780	6500	>60	18	21	926 115 124	918 104 120	7,0
140483.5L012.21	40° x 15°	2550	1780	6500	>60	18	21	926 115 124	918 104 120	7,0
140483.9L048.12	10°	-	-	RGB	-	44	50	636 115 124	629 104 120	6,0
140483.9L048.22	40° x 15°	-	-	RGB	-	44	50	636 115 124	629 104 120	6,0
140483.9L028.11	10°	-	-	RGB	-	66	74	926 115 124	918 104 120	8,0
140483.9L028.21	40° x 15°	-	-	RGB	-	66	74	926 115 124	918 104 120	8,0

¹⁾ Luminous flux tolerance + / - 10%



GROUNDLINE MAT LED

DESCRIPTION:

decorative architectural luminaire IP67 with mechanical impact resistance IK10 supplied with high quality LED light sources

TECHNICAL DATA

Body: aluminum

Type of difuser: matt tempered glass

Additional elements: acid-proof steel frame

Way of mounting: in the ground in a assembly box

ELECTRICAL DATA

Type of equipment: LED driver in a separate box (included)

Including light source: yes

ADDITIONAL INFO

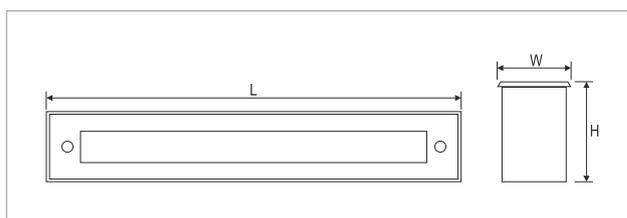
Other remarks: permissible maximum load up to 500kg, this is not 'drive over' luminaire

Application: decorative illumination of both indoor and outdoor pathways, avenues, arcades, pavements, bus and train stations, airports, subways, shopping malls, hotels, building facades

TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Cut out dimensions [mm] L W H	Weight [kg]
140493.5L031.12	800	400	3000	>80	12	21	636 115 124	629 104 120	5,5
140493.5L032.12	1050	500	6500	>80	12	21	636 115 124	629 104 120	5,5
140493.5L011.11	1200	600	3000	>80	18	21	926 115 124	918 104 120	7,0
140493.5L012.11	1550	750	6500	>80	18	21	926 115 124	918 104 120	7,0
140493.9L018.12	-	-	RGB	-	18	22	636 115 124	629 104 120	5,5
140493.9L028.11	-	-	RGB	-	27	34	926 115 124	918 104 120	7,0

¹⁾ Luminous flux tolerance + / - 10%



U-SYSTEM MH

U-SYSTEM MH

DESCRIPTION:

recessed luminaire for plasterboard ceilings, for metal-halide lamps HIR-111

TECHNICAL DATA

Body: powder-painted steel sheet

Additional elements: lamp rings made of gray aluminium

Colour: black

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: electronic ignition system

Including light source: no

OPTICAL DATA

Way of lighting: direct

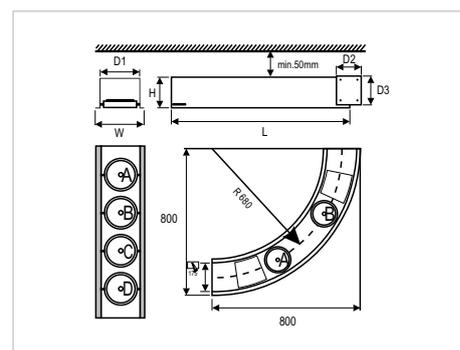
ADDITIONAL INFO

Application: retail and shopping spaces: boutiques, car showrooms, shopping malls and galleries; elegant and modern offices, corridors, lobbies and reception desks



TECHNICAL DATA

Code	Power [W]	Base	Dimensions [mm] L W H D1 D2 D3	Cut out dimensions [mm] L W	Weight [kg]
straight module					
010243.00000.50.901	Empty module	-	1000 125 200 160 100 119	1000 175	5,2
010243.11022.51.901	35W _A *	GX8,5	1000 125 200 160 100 119	1000 175	6,0
010243.11022.52.901	35W _B *	GX8,5	1000 125 200 160 100 119	1000 175	5,1
010243.12022.53.901	35W _{AB} *	GX8,5	1000 125 200 160 100 119	1000 175	6,1
010243.12022.54.901	35W _{AC} *	GX8,5	1000 125 200 160 100 119	1000 175	6,4
010243.12022.55.901	35W _{AD} *	GX8,5	1000 125 200 160 100 119	1000 175	6,3
010243.12022.56.901	35W _{BC} *	GX8,5	1000 125 200 160 100 119	1000 175	6,1
010243.13022.57.901	35W _{ABC} *	GX8,5	1000 125 200 160 100 119	1000 175	6,8
010243.13022.58.901	35W _{ABD} *	GX8,5	1000 125 200 160 100 119	1000 175	6,7
010243.14022.59.901	35W _{ABCD} *	GX8,5	1000 125 200 160 100 119	1000 175	7,1
010243.11031.51.901	70W _A *	GX8,5	1000 125 200 160 100 119	1000 175	7,3
010243.11032.52.901	70W _B *	GX8,5	1000 125 200 160 100 119	1000 175	5,9
010243.12032.53.901	70W _{AB} *	GX8,5	1000 125 200 160 100 119	1000 175	6,3
010243.12032.54.901	70W _{AC} *	GX8,5	1000 125 200 160 100 119	1000 175	6,1
010243.12032.55.901	70W _{AD} *	GX8,5	1000 125 200 160 100 119	1000 175	6,1
010243.12032.56.901	70W _{BC} *	GX8,5	1000 125 200 160 100 119	1000 175	6,1
010243.13032.57.901	70W _{ABC} *	GX8,5	1000 125 200 160 100 119	1000 175	6,7
010243.13032.58.901	70W _{ABD} *	GX8,5	1000 125 200 160 100 119	1000 175	7,0
010243.14032.59.901	70W _{ABCD} *	GX8,5	1000 125 200 160 100 119	1000 175	7,1
module 90°					
010253.00000.50.901	Empty module 90°	-	160 100 119	1000 175	5,7
010253.11022.51.901	35W _A *	GX8,5	160 100 119	1000 175	6,0
010253.11022.52.901	35W _B *	GX8,5	160 100 119	1000 175	6,2
010253.12022.53.901	35W _{AB} *	GX8,5	160 100 119	1000 175	6,5
010253.11032.51.901	70W _A *	GX8,5	160 100 119	1000 175	6,3
010253.11032.52.901	70W _B *	GX8,5	160 100 119	1000 175	6,0
010253.12032.53.901	70W _{AB} *	GX8,5	160 100 119	1000 175	7,3



For LDT files,
please visit our website

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

U-SYSTEM MIX MH

LIGHTING SYSTEMS

U-SYSTEM MIX MH

DESCRIPTION:

recessed luminaire for plasterboard ceilings, including modules for both metal-halide lamps HIR and linear fluorescent T5

TECHNICAL DATA

Body: powder-painted steel sheet

Additional elements: lamp rings made of gray aluminium

Colour: black

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: electronic ignition system, electronic ballast

Including light source: no



OPTICAL DATA

Way of lighting: direct

Louwer / difuser: matt parabolic louwer (PAR MAT), opal plexiglass diffuser (PLX)

ADDITIONAL INFO

Application: retail and shopping spaces: boutiques, car showrooms, shopping malls and galleries; elegant and modern offices, corridors, lobbies and reception desks

TECHNICAL DATA

Code	Power [W]	Base	Dimensions [mm] L W H D1 D2	Cut out dimensions [mm] L W	Weight [kg]
010263.11010.5X.901	2x14	G5	1100 200 180 588 160	1100 175	7,6
010263.11022.5X.901	2x14+1x35	G5+Gx8,5	1100 200 180 588 160	1100 175	8,0
010263.11032.5X.901	1x35+2x14+1x35	G5+Gx8,5	1100 200 180 588 160	1100 175	7,2
010263.11042.5X.901	2x14+1x70	G5+Gx8,5	1100 200 180 588 160	1100 175	8,0
010263.11052.5X.901	1x70+2x14+1x70	G5+Gx8,5	1100 200 180 588 160	1100 175	8,4
010263.11060.5X.901	2x24	G5	1100 200 180 588 160	1100 175	7,6
010263.11072.5X.901	2x24+1x35	G5+Gx8,5	1100 200 180 588 160	1100 175	8,0
010263.11082.5X.901	1x35+2x24+1x35	G5+Gx8,5	1100 200 180 588 160	1100 175	8,4
010263.11092.5X.901	2x24+1x70	G5+Gx8,5	1100 200 180 588 160	1100 175	8,0
010263.11102.5X.901	1x70+2x24+1x70	G5+Gx8,5	1100 200 180 588 160	1100 175	8,4
010263.11110.5X.901	2x28	G5	1700 200 180 1188 160	1700 175	10,8
010263.11122.5X.901	2x28+1x35	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,2
010263.11132.5X.901	1x35+2x28+1x35	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,6
010263.11142.5X.901	2x28+1x70	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,2
010263.11152.5X.901	1x70+2x28+1x70	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,6
010263.11160.5X.901	2x35	G5	2000 200 180 1488 160	2000 175	12,8
010263.11172.5X.901	2x35+1x35	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,2
010263.11182.5X.901	1x35+2x35+1x35	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,6
010263.11192.5X.901	2x35+1x70	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,2
010263.11202.5X.901	1x70+2x35+1x70	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,6
010263.11210.5X.901	2x49	G5	2000 200 180 1488 160	2000 175	12,8
010263.11222.5X.901	2x49+1x35	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,2
010263.11232.5X.901	1x35+2x49+1x35	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,6
010263.11242.5X.901	2x49+1x70	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,2
010263.11252.5X.901	1x70+2x49+1x70	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,6
010263.11260.5X.901	2x54	G5	1700 200 180 1188 160	1700 175	10,8
010263.11272.5X.901	2x54+1x35	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,2
010263.11282.5X.901	1x35+2x54+1x35	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,6
010263.11292.5X.901	2x54+1x70	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,2
010263.11302.5X.901	1x70+2x54+1x70	G5+Gx8,5	1700 200 180 1188 160	1700 175	11,6
010263.11310.5X.901	2x80	G5	2000 200 180 1488 160	2000 175	12,8
010263.11322.5X.901	2x80+1x35	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,2
010263.11332.5X.901	1x35+2x80+1x35	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,6
010263.11342.5X.901	2x80+1x70	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,2
010263.11352.5X.901	1x70+2x80+1x70	G5+Gx8,5	2000 200 180 1488 160	2000 175	13,6

010263.11010.5 .901

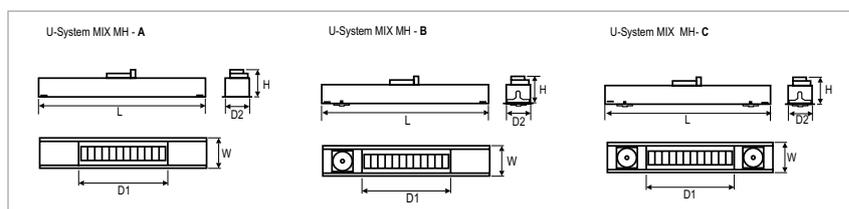
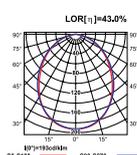
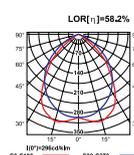
Diffuser

1 matt parabolic louwer

4 opal plexiglass diffuser

010263.11010.51.901

010263.11010.54.901



LIGHT MACHINES FOR SALES INCREASING



VIGO SYSTEM g/k

Aluminium profile luminaire family providing many possibilities and combinations thanks to a wide range of accessories and connectors.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



VIGO SYSTEM g/k

DESCRIPTION:
luminaires in system for one or two linear fluorescent lamps T5, for plasterboard ceilings

TECHNICAL DATA

Body: aluminium profile

Colour: gray

Way of mounting: in the ceiling with mounting brackets (included)

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

Way of lighting: direct

Louwer / difuser: lamellar, opal plexiglass diffuser (PLX), microprismatic diffuser (MPRM)

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, MULTI, emergency kit in a separate box (after consultation with the technical department)

Application: offices, lobbies, sales rooms, car showrooms, fashion shops, museums, galleries, expositions

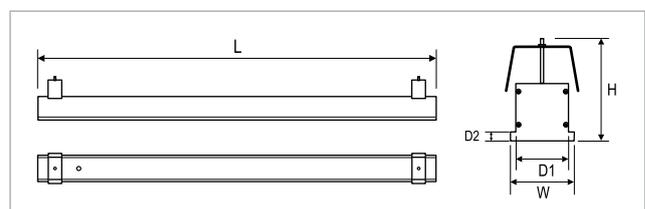
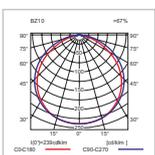
TECHNICAL DATA

Code	Power [W]	Base	Dimensions [mm] L W H D1 D2	Cut out dimensions [mm] L W	Weight [kg]
HF					
010132.1101.5X1.901	1x28	G5	1008 78 130 65 11	1008 70	3,0
010132.1102.5X1.901	1x35	G5	1314 78 130 65 11	1314 70	3,4
010132.1103.5X1.901	1x49	G5	1314 78 130 65 11	1314 70	3,4
010132.1104.5X1.901	1x54	G5	1008 78 130 65 11	1008 70	3,0
010132.1105.5X1.901	1x80	G5	1314 78 130 65 11	1314 70	3,4
010132.1201.5X1.901	2x28	G5	1176 78 130 65 11	1176 70	3,1
010132.1202.5X1.901	2x35	G5	1484 78 130 65 11	1484 70	3,5
010132.1203.5X1.901	2x49	G5	1484 78 130 65 11	1484 70	3,5
010132.1204.5X1.901	2x54	G5	1176 78 130 65 11	1176 70	3,1
DALI					
010132.3104.5X1.901	1x28/54	G5	1008 78 130 65 11	1008 70	3,1
010132.3105.5X1.901	1x35/49/80	G5	1314 78 130 65 11	1314 70	3,5
010132.3203.5X1.901	2x35/49	G5	1176 78 130 65 11	1484 70	3,6
010132.3204.5X1.901	2x28/54	G5	1484 78 130 65 11	1176 70	3,2
MULTI					
010132.4104.5X1.901	1x28/54	G5	1008 78 130 65 11	1008 70	3,1
010132.4105.5X1.901	1x35/49/80	G5	1314 78 130 65 11	1314 70	3,5
010132.4203.5X1.901	2x35/49	G5	1176 78 130 65 11	1484 70	3,6
010132.4204.5X1.901	2x28/54	G5	1484 78 130 65 11	1176 70	3,2

010132.1101.5 1.901

- Diffuser
- 3 lamellar louwer
- 4 opal plexiglass diffuser
- 5 microprismatic diffuser

LIGHT BEAM CURVES



LIGHT MACHINES FOR SALES INCREASING



LED

50,000h
lifetime

VOLICA LED

Architects love simplicity of form and wealth of possibilities. VOLICA meets those expectations providing outstanding lighting parameters inside the latest aluminum form of luminaire.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

DECORATIVE LUMINAIRES



VOLICA LED

DESCRIPTION:

suspended decorative luminaire for LED light sources

TECHNICAL DATA

Body: aluminium profile

Additional elements: aluminium end caps

Colour: gray

Way of mounting: on wire suspension (on request)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Way of lighting: direct

Louwer / difuser: opal plexiglass diffuser (PLX)

ADDITIONAL INFO

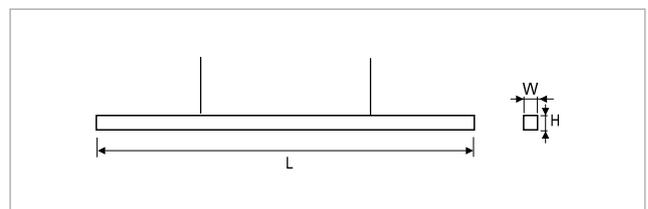
Application: public utility buildings, offices, conference rooms, computer rooms, classrooms



TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
010322.5L01.141	3500	2100	3000	80	31	38	1208 80 90	3,5
010322.5L02.141	3800	2300	4000	80	31	38	1208 80 90	3,5
010322.5L03.141	4900	2950	3000	80	44	51	1208 80 90	3,5
010322.5L04.141	5400	3200	4000	80	44	51	1208 80 90	3,5

¹⁾ Luminous flux tolerance + / - 10%





LED

50 000h
lifetime

ARGUS ONE LED

Best in class luminaire incorporating modern technology – LED luminaires of perfect aluminium finishing.

DECORATIVE LUMINAIRES



ARGUS ONE LED

DESCRIPTION:

modern pendant luminaire for LED light sources

TECHNICAL DATA

Body: aluminium profile

Additional elements: plastic end caps

Colour: gray

Way of mounting: on wire suspension (on request)

ELECTRICAL DATA

Type of equipment: LED driver

Including light source: yes

OPTICAL DATA

Way of lighting: direct

Louver / difuser: opal plexiglass diffuser (PLX)

ADDITIONAL INFO

Additionally available: DALI, emergency kit LED

Application: sales rooms, car showrooms, fashion shops, museums, galleries, displays, expositions; offices, halls

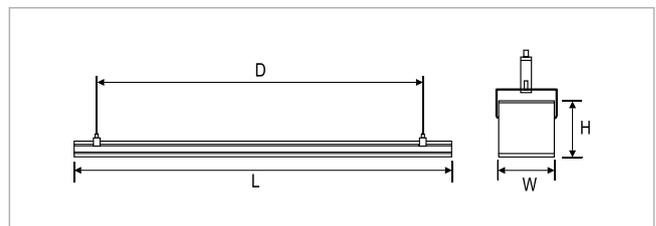
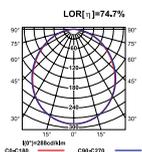
TECHNICAL DATA

Code	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Colour Rendering Index [CRI]	Power LED [W]	Luminaire power [W]	Dimensions [mm]			Weight [kg]	
							L	W	H		
010122.5L01.141	4200	3100	3000	>80	40	44	1200	50	50	1000	2,0
010122.5L02.141	4500	3400	4000	>80	40	44	1200	50	50	1000	2,0
010122.5L03.142	8400	6200	3000	>80	80	88	2400	50	50	2000	3,9
010122.5L04.142	9000	6800	4000	>80	80	88	2400	50	50	2000	3,9

¹⁾ Luminous flux tolerance +/- 10%

LIGHT BEAM CURVES

010122.5L01.141



ARGUS ONE IP20

ARGUS ONE IP20

DESCRIPTION:

pendant decorative luminaire for one linear fluorescent lamp T5

TECHNICAL DATA

Body: aluminium profile

Additional elements: plastic end caps

Colour: gray

Way of mounting: on wire suspension (on request)

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

Way of lighting: direct

Louver / difuser: lamellar

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, MULTI, emergency kit in a separate box

Application: sales rooms, car showrooms, fashion shops, museums, galleries, displays, exhibitions; offices, halls

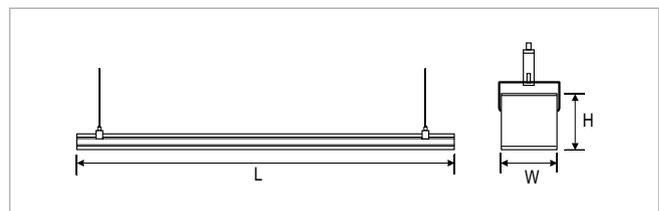
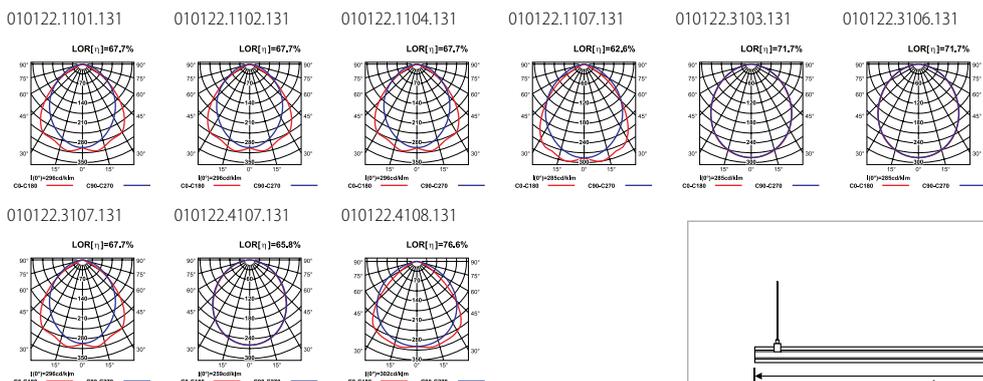


TECHNICAL DATA

Code	Emergency kit	Power [W]	Base	Dimensions [mm] L W H	Weight [kg]
HF					
010122.1101.131	-	1x14	G5	600 50 50	1,1
010122.1102.131	1)	1x21	G5	900 50 50	1,4
010122.1103.131	-	1x24	G5	600 50 50	1,1
010122.1104.131	1)	1x28	G5	1200 50 50	1,7
010122.1105.131	1)	1x35	G5	1500 50 50	2,0
010122.1106.131	1)	1x39	G5	900 50 50	1,4
010122.1107.131	1)	1x49	G5	1500 50 50	2,0
010122.1108.131	1)	1x54	G5	1200 50 50	1,7
DALI					
010122.3103.131	-	1x14/24	G5	600 50 50	1,1
010122.3106.131	1)	1x21/39	G5	900 50 50	1,4
010122.3107.131	1)	1x35/49	G5	1500 50 50	2,0
010122.3108.131	1)	1x28/54	G5	1200 50 50	1,7
MULTI					
010122.4103.131	-	1x14/24	G5	600 50 50	1,1
010122.4106.131	1)	1x21/39	G5	900 50 50	1,4
010122.4107.131	1)	1x35/49	G5	1500 50 50	2,0
010122.4108.131	1)	1x28/54	G5	1200 50 50	1,7

1) Please contact LUG technical dept. for information on combining the solutions as listed above

LIGHT BEAM CURVES



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

ARGUS ONE IP44

ARGUS ONE IP44

DESCRIPTION:

pendant decorative luminaire for one linear fluorescent lamp T5

TECHNICAL DATA

Body: aluminium profile

Additional elements: plastic end caps

Colour: gray

Way of mounting: on wire suspension (on request)

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

Way of lighting: direct

Louwer / difuser: opal plexiglass diffuser (PLX), microprismatic diffuser (MPRM)

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, MULTI, emergency kit in a separate box

Application: sales rooms, car showrooms, fashion shops, museums, galleries, displays, expositions; offices, halls



TECHNICAL DATA

Code	Emergency kit	Power [W]	Base	Dimensions [mm] L W H	Weight [kg]
HF					
010122.1101.101.X	-	1x14	G5	600 50 50	1,1
010122.1102.101.X	1)	1x21	G5	900 50 50	1,4
010122.1103.101.X	-	1x24	G5	600 50 50	1,1
010122.1104.101.X	1)	1x28	G5	1200 50 50	1,7
010122.1105.101.X	1)	1x35	G5	1500 50 50	2,0
010122.1106.101.X	1)	1x39	G5	900 50 50	1,4
010122.1107.101.X	1)	1x49	G5	1500 50 50	2,0
010122.1108.101.X	1)	1x54	G5	1200 50 50	1,7
DALI					
010122.3103.101.X	-	1x14/24	G5	600 50 50	1,1
010122.3106.101.X	1)	1x21/39	G5	900 50 50	1,4
010122.3107.101.X	1)	1x35/49	G5	1500 50 50	2,0
010122.3108.101.X	1)	1x28/54	G5	1200 50 50	1,7
MULTI					
010122.4103.101.X	-	1x14/24	G5	600 50 50	1,1
010122.4106.101.X	1)	1x21/39	G5	900 50 50	1,4
010122.4107.101.X	1)	1x35/49	G5	1500 50 50	2,0
010122.4108.101.X	1)	1x28/54	G5	1200 50 50	1,7

1) Please contact LUG technical dept. for information on combining the solutions as listed above

010122.1101.101.



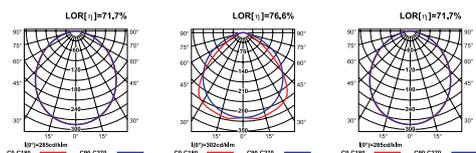
Type of raster IP44

953 opal plexiglass diffuser IP44

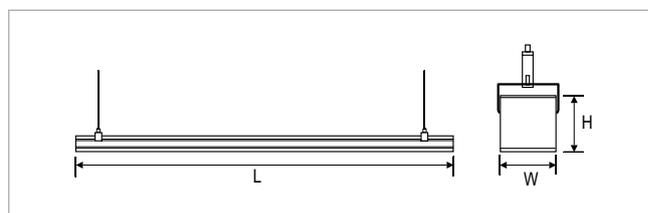
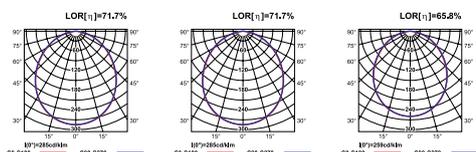
954 microprismatic diffuser IP44

LIGHT BEAM CURVES

010122.1101.101.953 010122.1101.101.954 010122.1102.101.953



010122.1103.101.953 010122.1105.101.953 010122.1107.101.953





ARGUS ONE SYSTEM

Aluminium profile luminaire family providing many possibilities and combinations thanks to a wide range of accessories and connectors.

ARGUS ONE SYSTEM

DESCRIPTION:

system of pendant luminaires for one linear fluorescent lamp T5

TECHNICAL DATA

Body: aluminium profile

Additional elements: plastic end caps

Colour: gray

Way of mounting: on wire suspension (on request)

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

Way of lighting: direct

Louver / diffuser: lamellar, opal plexiglass diffuser (PLX), microprismatic diffuser (MPRM)

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, MULTI, emergency kit

Application: sales rooms, car showrooms, fashion shops, museums, galleries, displays, expositions; offices, halls



TECHNICAL DATA

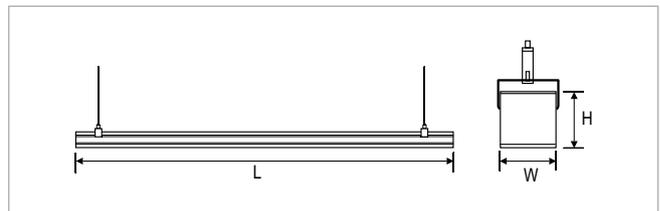
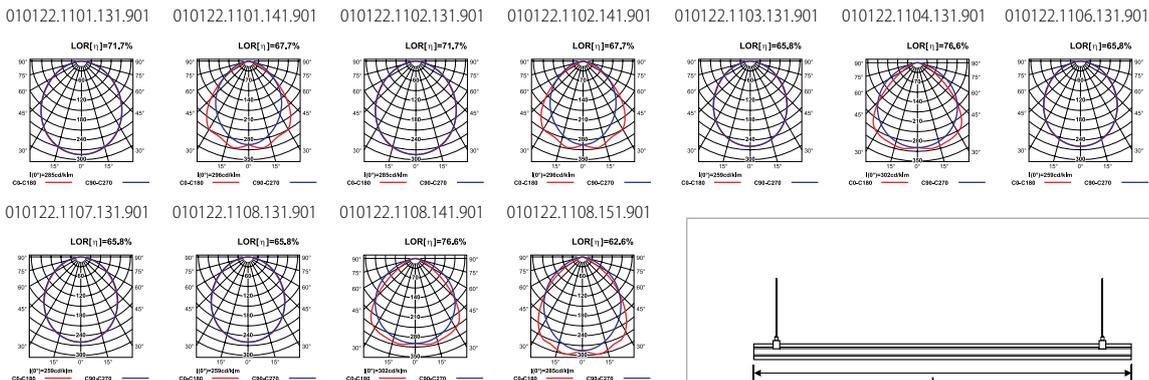
Code	Emergency kit	Power [W]	Base	Dimensions [mm] LWH	Weight [kg]
HF					
010122.1101.1X1.901	-	1x14	G5	580 50 50	1,2
010122.1102.1X1.901	1)	1x21	G5	880 50 50	1,5
010122.1103.1X1.901	-	1x24	G5	580 50 50	1,2
010122.1104.1X1.901	1)	1x28	G5	1180 50 50	1,8
010122.1105.1X1.901	1)	1x35	G5	1480 50 50	2,1
010122.1106.1X1.901	1)	1x39	G5	880 50 50	1,5
010122.1107.1X1.901	1)	1x49	G5	1480 50 50	2,1
010122.1108.1X1.901	1)	1x54	G5	1180 50 50	1,8
DALI					
010122.3103.1X1.901	-	1x14/24	G5	580 50 50	1,2
010122.3106.1X1.901	1)	1x21/39	G5	880 50 50	1,5
010122.3107.1X1.901	1)	1x35/49	G5	1480 50 50	2,1
010122.3108.1X1.901	1)	1x28/54	G5	1180 50 50	1,8
MULTI					
010122.4103.1X1.901	-	1x14/24	G5	580 50 50	1,2
010122.4106.1X1.901	1)	1x21/39	G5	880 50 50	1,5
010122.4107.1X1.901	1)	1x35/49	G5	1480 50 50	2,1
010122.4108.1X1.901	1)	1x28/54	G5	1180 50 50	1,8

1) Please contact LUG technical dept. for information on combining the solutions as listed above

010122.1101.1 1.901

- Diffuser
- 3 lamellar louver
- 4 opal plexiglass diffuser
- 5 microprismatic diffuser

LIGHT BEAM CURVES



ARGUS WALL 1

ARGUS WALL 1 IP20

DESCRIPTION:

decorative wall luminaire for one linear fluorescent lamp T5

TECHNICAL DATA

Body: aluminium profile

Additional elements: plastic end caps

Colour: gray

Way of mounting: directly on the wall

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

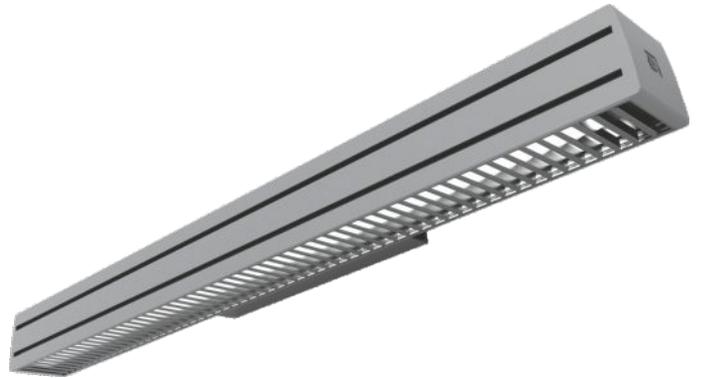
Way of lighting: indirect

Louwer / difuser: lamellar

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, MULTI, emergency kit in a separate box (after consultation with the technical department)

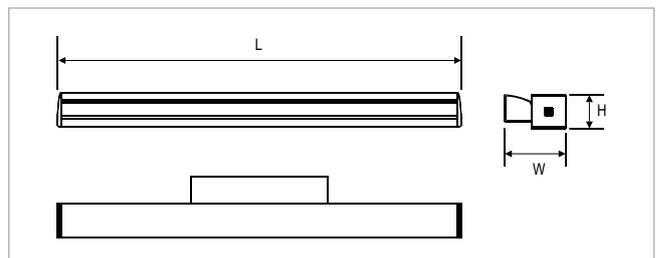
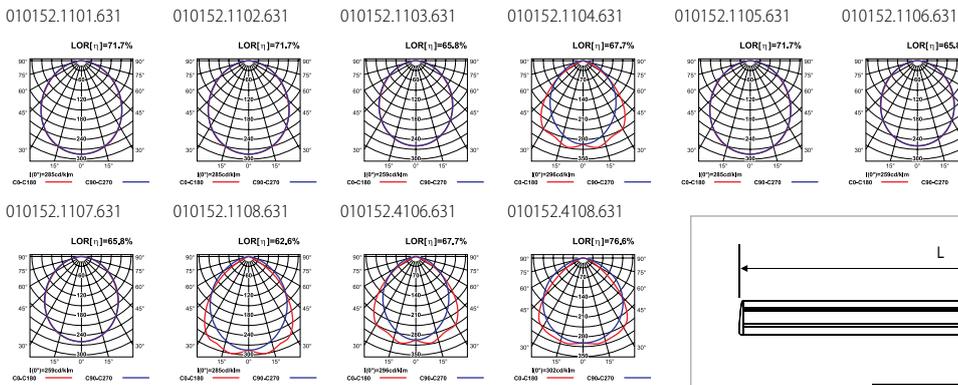
Application: modern offices, conference rooms, hotels, sales rooms, car showrooms, lobbies and reception desks



TECHNICAL DATA

	Code	Power [W]	Base	Dimensions [mm] L W H	Weight [kg]
HF	010152.1101.631	1x14	G5	600 100 50	1,3
	010152.1102.631	1x21	G5	900 100 50	1,6
	010152.1103.631	1x24	G5	600 100 50	1,3
	010152.1104.631	1x28	G5	1200 100 50	1,9
	010152.1105.631	1x35	G5	1500 100 50	2,2
	010152.1106.631	1x39	G5	900 100 50	1,6
	010152.1107.631	1x49	G5	1500 100 50	2,2
	010152.1108.631	1x54	G5	1200 100 50	1,9
DALI	010152.3103.631	1x14/24	G5	600 100 50	1,3
	010152.3106.631	1x21/39	G5	900 100 50	1,6
	010152.3107.631	1x35/49	G5	1500 100 50	2,2
	010152.3108.631	1x28/54	G5	1200 100 50	1,9
MULTI	010152.4103.631	1x14/24	G5	600 100 50	1,3
	010152.4106.631	1x21/39	G5	900 100 50	1,6
	010152.4107.631	1x35/49	G5	1500 100 50	2,2
	010152.4108.631	1x28/54	G5	1200 100 50	1,9

LIGHT BEAM CURVES



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

ARGUS WALL 1

ARGUS WALL 1 IP44

DESCRIPTION:

decorative wall luminaire for one linear fluorescent lamp T5

TECHNICAL DATA

Body: aluminium profile

Additional elements: plastic end caps

Colour: gray

Way of mounting: directly on the wall

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

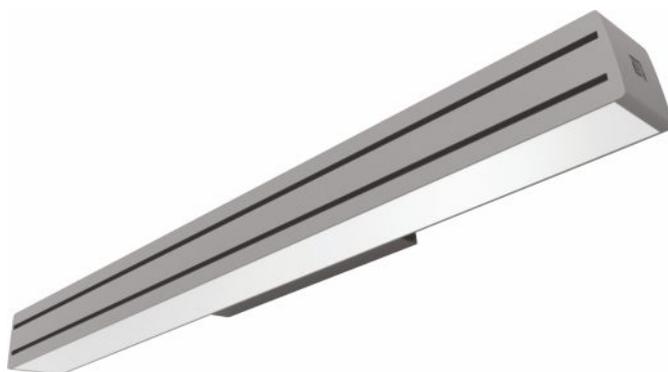
Way of lighting: indirect

Louver / diffuser: opal plexiglass diffuser (PLX), microprismatic diffuser (MPRM)

ADDITIONAL INFO

Additionally available: DIM 1..10V, DALI, MULTI, emergency kit in a separate box (after consultation with the technical department)

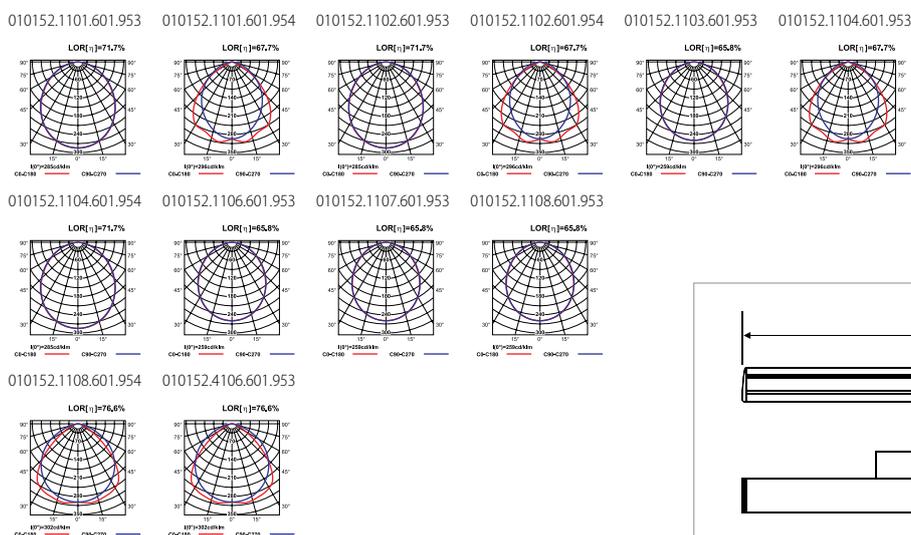
Application: modern offices, conference rooms, hotels, sales rooms, car showrooms, lobbies and reception desks



TECHNICAL DATA

Code	Power [W]	Base	Dimensions [mm] LWH	Weight [kg]
HF				
010152.1101.601.X	1x14	G5	600 100 50	1,3
010152.1102.601.X	1x21	G5	900 100 50	1,6
010152.1103.601.X	1x24	G5	600 100 50	1,3
010152.1104.601.X	1x28	G5	1200 100 50	1,9
010152.1105.601.X	1x35	G5	1500 100 50	2,2
010152.1106.601.X	1x39	G5	900 100 50	1,6
010152.1107.601.X	1x49	G5	1500 100 50	2,2
010152.1108.601.X	1x54	G5	1200 100 50	1,9
DALI				
010152.3103.601.X	1x14/24	G5	600 100 50	1,3
010152.3106.601.X	1x21/39	G5	900 100 50	1,6
010152.3107.601.X	1x35/49	G5	1500 100 50	2,2
010152.3108.601.X	1x28/54	G5	1200 100 50	1,9
MULTI				
010152.4103.601.X	1x14/24	G5	600 100 50	1,3
010152.4106.601.X	1x21/39	G5	900 100 50	1,6
010152.4107.601.X	1x35/49	G5	1500 100 50	2,2
010152.4108.601.X	1x28/54	G5	1200 100 50	1,9

LIGHT BEAM CURVES



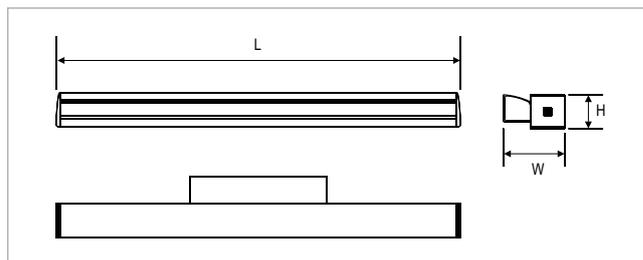
010152.1101.601.



Type of raster IP44

953 opal plexiglass diffuser IP44

954 microprismatic diffuser IP44



ARGUS WALL 2



ARGUS WALL 2

DESCRIPTION:

decorative wall luminaire for one linear fluorescent lamp T5

TECHNICAL DATA

Body: aluminium profile

Colour: gray

Way of mounting: directly on the wall

ELECTRICAL DATA

Type of equipment: electronic ballast

Including light source: no

OPTICAL DATA

Way of lighting: indirect

Louwer / difuser: opal plexiglass diffuser (PLX)

ADDITIONAL INFO

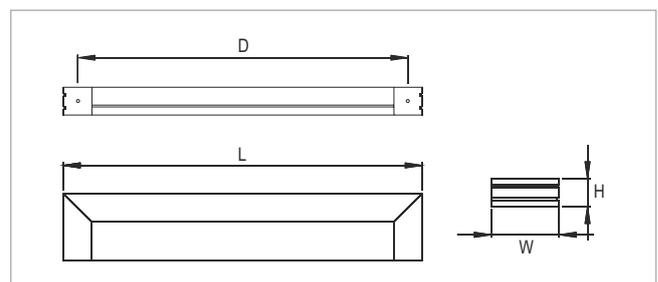
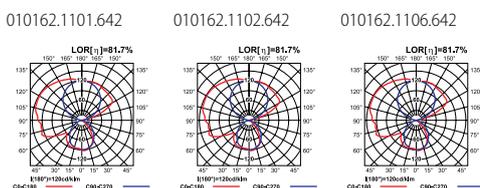
Additionally available: DIM 1..10V, DALI, MULTI, emergency kit (after consultation with the technical department)

Application: modern offices, conference rooms, hotels, sales rooms, car showrooms, lobbies and reception desks

TECHNICAL DATA

Code	Power [W]	Base	Dimensions [mm] L W H D	Weight [kg]
HF				
010162.1101.642	1x14	G5	634 120 50 590	1,4
010162.1102.642	1x21	G5	934 120 50 890	1,7
010162.1103.642	1x24	G5	634 120 50 590	1,4
010162.1104.642	1x28	G5	1234 120 50 1190	2,0
010162.1105.642	1x39	G5	934 120 50 890	1,7
010162.1106.642	1x54	G5	1234 120 50 1190	2,0
DALI				
010162.3103.642	1x14/24	G5	634 120 50 590	1,4
010162.3105.642	1x21/39	G5	934 120 50 890	1,7
010162.3106.642	1x28/54	G5	1234 120 50 1190	2,0
MULTI				
010162.4103.642	1x14/24	G5	634 120 50 590	1,4
010162.4105.642	1x21/39	G5	934 120 50 890	1,7
010162.4106.642	1x28/54	G5	1234 120 50 1190	2,0

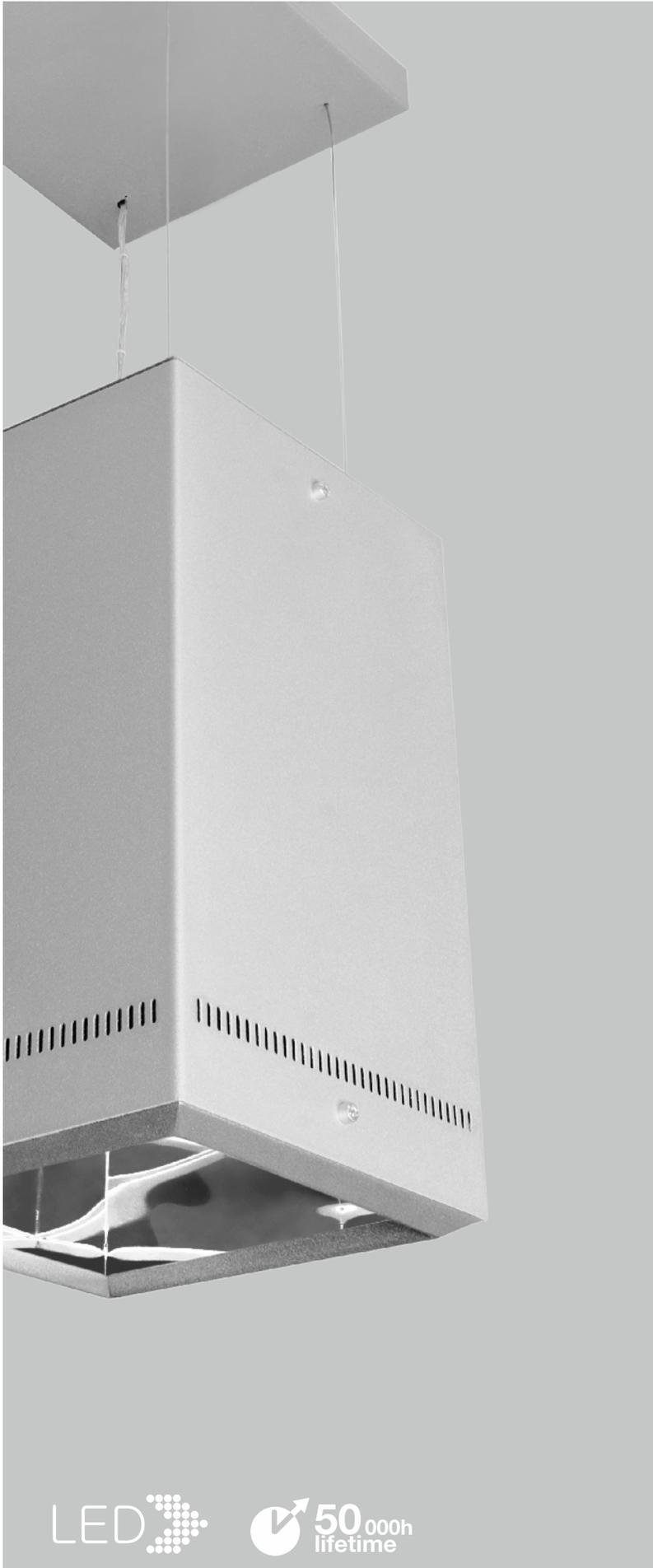
LIGHT BEAM CURVES



The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



LIGHT MACHINES FOR SALES INCREASING



LED 

 50,000h
lifetime

FOCUS LED

Focus the attention of your clients using FOCUS luminaire of simple, square form.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

DECORATIVE LUMINAIRES



FOCUS LED / FOCUS LED n/t / FOCUS WALL LED

DESCRIPTION:
decorative luminaire featuring high quality LED light sources, available in two sizes

TECHNICAL DATA
Body: powder-painted steel sheet
Additional elements: lamp rings made of gray aluminium
Colour: gray
Way of mounting: on wire suspension (included)

ELECTRICAL DATA
Type of equipment: LED driver
Including light source: yes

OPTICAL DATA
Way of lighting: direct

ADDITIONAL INFO
Additionally available: emergency kit LED
Application: hotels, reception desks, restaurants, conference rooms, shops and sales rooms, museums, galleries

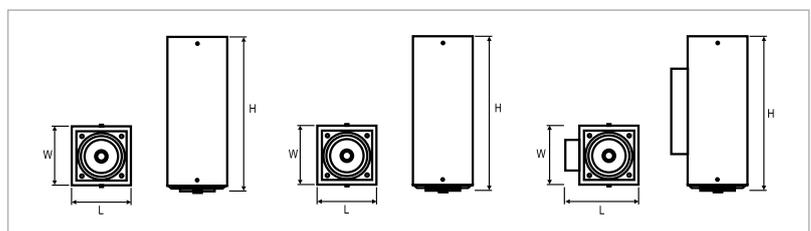
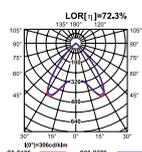
TECHNICAL DATA

Code	Beam angle	Lumen LED [lm] ¹⁾	Lumen luminaire [lm] ¹⁾	Color temperature [K]	Power LED [W]	Luminaire power [W]	Dimensions [mm] L W H	Weight [kg]
FOCUS LED								
010172.5L01.111	84°	1100	800	3000	11	13	180 180 300	4,5
010172.5L02.111	84°	1100	800	4000	10	12	180 180 300	4,5
010172.5L03.111	84°	2000	1460	3000	21	24	180 180 300	4,5
010172.5L04.111	84°	2000	1460	4000	19	22	180 180 300	4,5
010172.5L01.112	84°	1100	800	3000	11	13	180 180 400	5,0
010172.5L02.112	84°	1100	800	4000	10	12	180 180 400	5,0
010172.5L03.112	84°	2000	1460	3000	21	24	180 180 400	5,0
010172.5L04.112	84°	2000	1460	4000	19	22	180 180 400	5,0
FOCUS LED n/t								
010172.5L01.211	84°	1100	800	3000	11	13	180 180 300	4,5
010172.5L02.211	84°	1100	800	4000	10	12	180 180 300	4,5
010172.5L03.211	84°	2000	1460	3000	21	24	180 180 300	4,5
010172.5L04.211	84°	2000	1460	4000	19	22	180 180 300	4,5
010172.5L01.212	84°	1100	800	3000	11	13	180 180 400	5,0
010172.5L02.212	84°	1100	800	4000	10	12	180 180 400	5,0
010172.5L03.212	84°	2000	1460	3000	21	24	180 180 400	5,0
010172.5L04.212	84°	2000	1460	4000	19	22	180 180 400	5,0
FOCUS WALL LED								
010172.5L01.611	84°	1100	800	3000	11	13	225 180 300	4,5
010172.5L02.611	84°	1100	800	4000	10	12	225 180 300	4,5
010172.5L03.611	84°	2000	1460	3000	21	24	225 180 300	4,5
010172.5L04.611	84°	2000	1460	4000	19	22	225 180 300	4,5

¹⁾ Luminous flux tolerance + / - 10%

LIGHT BEAM CURVES

010172.5L01.111





ARCHEO

Decorative high bay luminaire with unique fusion of refined design and the newest lighting solutions. ARCHEO is dedicated for modern interior applications including elegant boutiques, showrooms, galleries etc.

LED

50,000h
lifetime

FLASH & DQ



ARCHEO

DESCRIPTION:

decorative pendant luminaire with LED light sources

TECHNICAL DATA

Body: aluminium

Colour: brushed aluminum, white

Way of mounting: on wire suspension (included)

OPTICAL DATA

Diffuser: aluminum

ADDITIONAL INFO

Additionally available: DALI version, LED edges illumination of diffuser in five monochromatic LED colours

Application: retail and sales rooms, boutiques, car showrooms, galleries and shopping malls, elegant and modern offices, lobbies and receptions

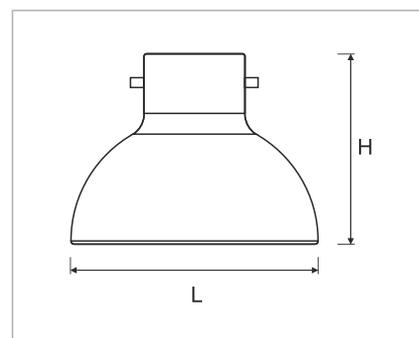
TECHNICAL DATA

Code	Driver	LED power [W]	Power luminaire [W]	Colour rendering index [Ra]	Color temperature [K]	Lumen LED [lm]	Dimensions LxH [mm]	Weight [kg]
20011X.5L01.110	ED	30	30	80	3000	3000	403 312	4,0
20011X.5L02.110	ED	30	30	80	4000	3000	403 312	4,0
20011X.5L03.110	ED	50	50	80	3000	5000	403 312	4,0
20011X.5L04.110	ED	50	50	80	4000	5000	403 312	4,0

Sample code:

200111.5L01.110 - brushed aluminum

200112.5L01.110 - white



LIGHT MACHINES FOR SALES INCREASING



KOBE

Pendant luminaire adored by architects and designers provide the lighting for shops, reception desks meeting rooms.

LED

50,000h
lifetime

FLASH&DQ

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



KOBE

DESCRIPTION:

decorative pendant direct light luminaire for LED

TECHNICAL DATA

Body: painted ecru and black aluminium

Colour: écru and black

Way of mounting: on wire suspension (included)

ADDITIONAL INFO

Additionally available: metal halide light sources (on request)

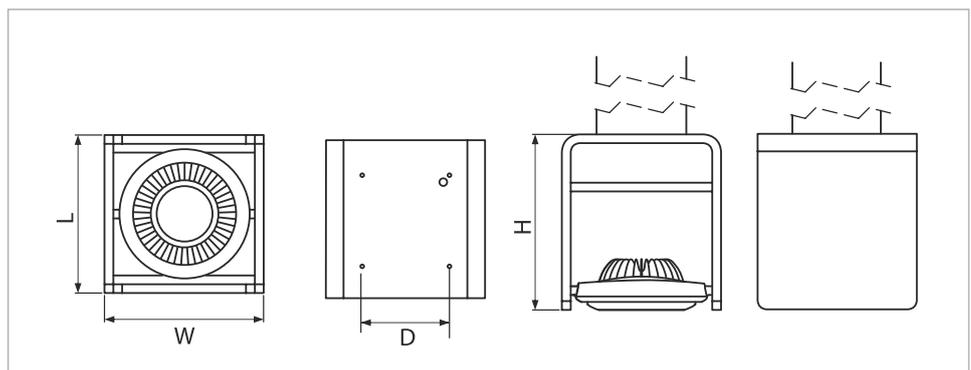
Application: hotels, restaurants, conference halls, sales outlets, museums, galleries, offices, boutiques

TECHNICAL DATA

Code	Driver	Power [W]	Ra / colour Temp.	Lumens [lm]	Beam angle	Luminaire body Colour	L [mm]	W [mm]	H [mm]	D [mm]	Weight [kg]
210060.5L02.11	ED	18	3000	1230	24°	ÉCRU	180	180	200	100	3,5
210060.5L01.11	ED	18	4000	1300	24°	ÉCRU	180	180	200	100	3,5
210060.5L04.11	ED	18	3000	1230	40°	ÉCRU	180	180	200	100	3,5
210060.5L03.11	ED	18	4000	1300	40°	ÉCRU	180	180	200	100	3,5

Colour temperature might differ +/- 10% from the nominal one

Luminaire power and luminous flux is dependent on luminaire temperature with tolerance +/-10%





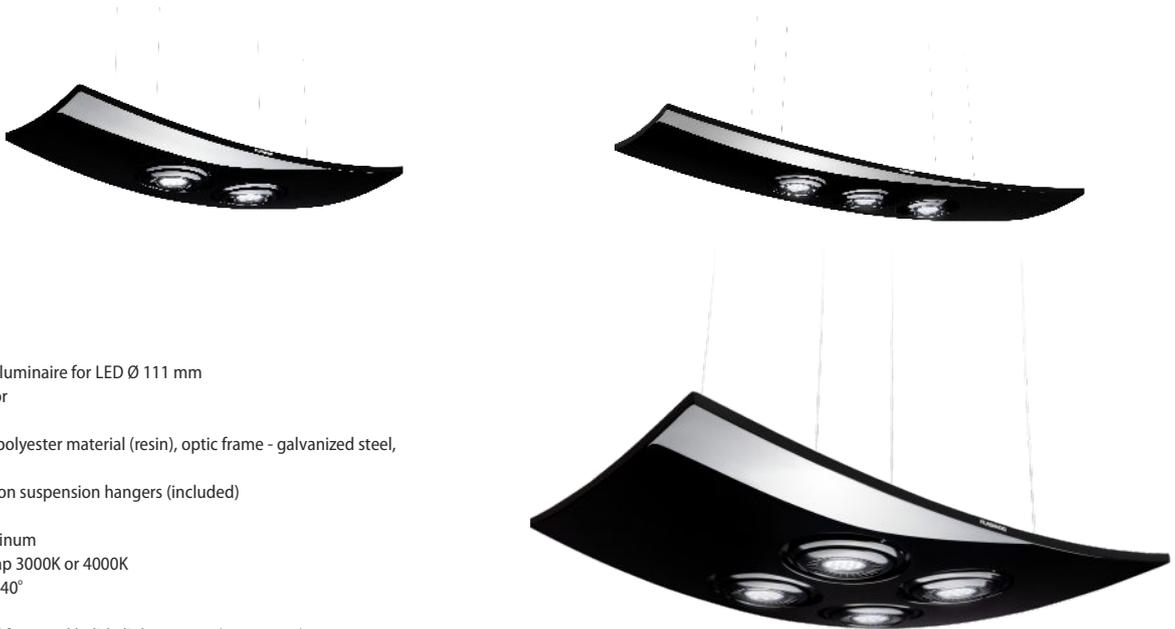
LED

50,000h
lifetime

FLASH&DQ

SPHERE

Black finishing and beautiful curved design for exclusive interiors.



SPHERE

DESCRIPTION:

decorative pendant luminaire for LED Ø 111 mm with its own reflector

TECHNICAL DATA

Body: black plastic polyester material (resin), optic frame - galvanized steel, **Colour:** black

Way of mounting: on suspension hangers (included)

OPTICAL DATA

Optics frame: aluminum

Luminaire: LED lamp 3000K or 4000K

Beam angle: 24° or 40°

ADDITIONAL INFO

Additionally available: metal halide light sources (on request)

Application: office spaces, conference rooms, showrooms, museums, galleries, lobbies and reception desks

TECHNICAL DATA

Code	Power [W]	L [mm]	W [mm]	H [mm]	Weight [kg]
SPHERE "A"	2 x X	797	340	92	5,2
SPHERE "B"	3 x X	1197	340	92	6,8
SPHERE "C"	4 x X	797	530	92	7,9

Colour temperature might differ +/- 10% from the nominal one
Luminaire power and luminous flux is dependent on luminaire temperature with tolerance +/-10%

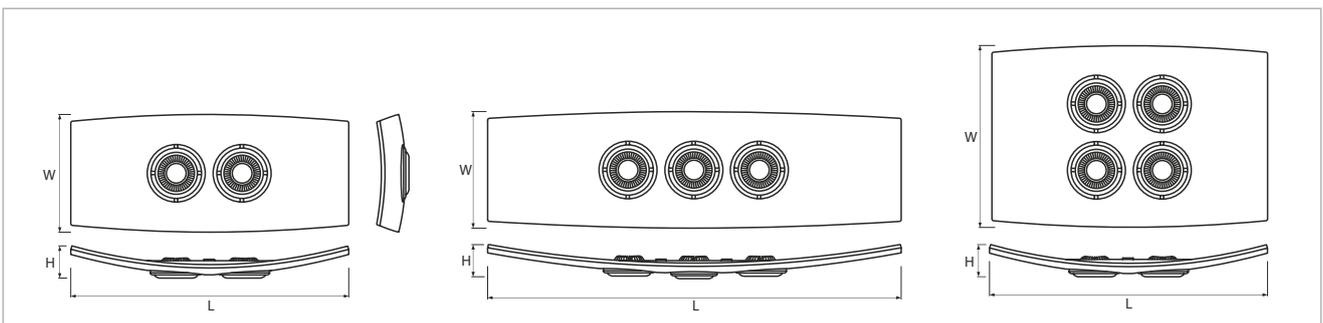
Sample code:

225002X.5LXXX.1X
250023.5L201.11

SPHERE LED	BODY COLOUR	5L	NO OF LIGHT SOURCES	POWER [W]				1	MODULE TYPE
				XX	Ra	COLOUR TEMP.	BEAM ANGLE		
25002	X	.	X						X

3 - black

1 - one light	01 18W	92	4000	24°
2 - two lights	02 18W	92	3000	24°
3 - three lights	03 18W	92	4000	40°
4 - four lights	04 18W	92	3000	40°



LIGHT MACHINES FOR SALES INCREASING



HB 886 / HB 443

Impressive decorative high bay luminaire designed for modern interiors.

LED

50⁰⁰⁰h
lifetime

FLASH&DQ

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

FLASH DQ

HB 886 / HB 443

DESCRIPTION:

impressive decorative LED high bay luminaire designed for modern interiors

TECHNICAL DATA

Body: black plastic polyester material (resin), elements painted in selected colour

Colour: black

Way of mounting: on suspension hangers (included)

OPTICAL DATA

Optics: microprismatic diffuser

ADDITIONAL INFO

Additionally available: satin diffuser, metal halide light sources (on request)

Application: shopping malls, car showrooms, public utility buildings of modern architecture

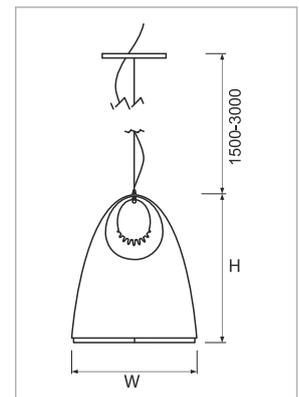


TECHNICAL DATA

	Code	Driver	Power LED [W]	Luminaire power [W]	Ra	Colour temp.	Lumens [lm]	Body colour	W [mm]	H [mm]	Weight [kg]
HB 886											
	200023.5L01.112	ED	120	125	80	4000	13240	black + "1"	886	1085	17,0
	200023.5L01.122	ED	120	125	80	4000	13240	black + "2"	886	1085	17,0
	200023.5L01.132	ED	120	125	80	4000	13240	black + "3"	886	1085	17,0
	200023.5L01.142	ED	120	125	80	4000	13240	black + "4"	886	1085	17,0
	200023.5L01.152	ED	120	125	80	4000	13240	black + "5"	886	1085	17,0
	200023.5L02.112	ED	120	125	80	3000	12040	black + "1"	886	1085	17,0
	200023.5L02.122	ED	120	125	80	3000	12040	black + "2"	886	1085	17,0
	200023.5L02.132	ED	120	125	80	3000	12040	black + "3"	886	1085	17,0
	200023.5L02.142	ED	120	125	80	3000	12040	black + "4"	886	1085	17,0
	200023.5L02.152	ED	120	125	80	3000	12040	black + "5"	886	1085	17,0
HB 443											
	200053.5L01.112	ED	41	45	80	4000	4200	black + "1"	443	540	7,0
	200053.5L01.122	ED	41	45	80	4000	4200	black + "2"	443	540	7,0
	200053.5L01.132	ED	41	45	80	4000	4200	black + "3"	443	540	7,0
	200053.5L01.142	ED	41	45	80	4000	4200	black + "4"	443	540	7,0
	200053.5L01.152	ED	41	45	80	4000	4200	black + "5"	443	540	7,0
	200053.5L02.112	ED	41	45	80	3000	3800	black + "1"	443	540	7,0
	200053.5L02.122	ED	41	45	80	3000	3800	black + "2"	443	540	7,0
	200053.5L02.132	ED	41	45	80	3000	3800	black + "3"	443	540	7,0
	200053.5L02.142	ED	41	45	80	3000	3800	black + "4"	443	540	7,0
	200053.5L02.152	ED	41	45	80	3000	3800	black + "5"	443	540	7,0

Colour temperature might differ +/- 10% from the nominal one

Luminaire power and luminous flux is dependent on luminaire temperature with tolerance +/-10%







LIGHT MACHINES FOR SALES INCREASING



MARALL

High bay luminaire with newest LED technology. Its original shape perfectly emphasizes design of showrooms, galleries, industrial buildings and many others.

LED

50,000h
lifetime

FLASH&DQ

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

LIGHT MACHINES FOR SALES INCREASING



LED 

 50,000h
lifetime

 FLASH&DQ

TLON

Round plafond luminaire of unique form, wealth of dimensions and LED solution.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires

FLASH DQ



MARALL

DESCRIPTION:

decorative pendant LED high bay luminaire

TECHNICAL DATA

Body: polyester material (resin) with glass fiber

Colour: colours from the RAL palette

Way of mounting: on wire suspension (included)

OPTICAL DATA

Optics: microprismatic or satin diffuser

ADDITIONAL INFO

Application: retail and sales rooms: showrooms, galleries and shopping malls, elegant and modern offices, lobbies and rexeptions

TECHNICAL DATA

Code	Driver	Power LED [W]	Luminaire power [W]	Ra	Colour temp.	Lumens LED [lm]	W [mm]	H [mm]	Weight [kg]
200082.5L01.12X	ED	41	45	80	3000	3050	535	1150	8,2
200082.5L02.12X	ED	41	45	80	4000	3400	535	1150	8,2
200082.5L01.12X	ED	41	45	80	3000	3050	535	1150	8,2
200082.5L02.12X	ED	41	45	80	4000	3400	535	1150	8,2

1 - SATIN

2 - MICROPRISMATIC

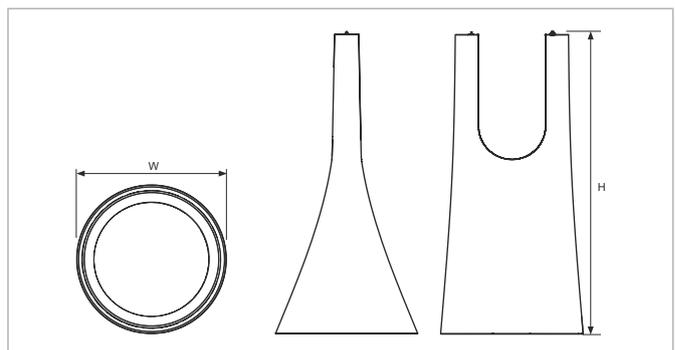
Colour temperature might differ +/- 10% from the nominal one

Luminaire power and luminous flux is dependent on luminaire temperature with tolerance +/--10%

Sample code:

200082.5L01.12X

200082.5L01.121





TLON

DESCRIPTION:
decorative pendant or surface mounted luminaire for LED light sources

TECHNICAL DATA

Body: anodized aluminum

Colour: colours from the RAL palette

Way of mounting: pendant on wire suspension (included) or surface mounted

OPTICAL DATA

Optics: microprismatic or satin diffuser

ADDITIONAL INFO

Additionally available: DALI version

Application: office spaces, conference rooms, lobbies and reception areas, shopping malls, car showrooms, boutiques, shopping centres

TECHNICAL DATA

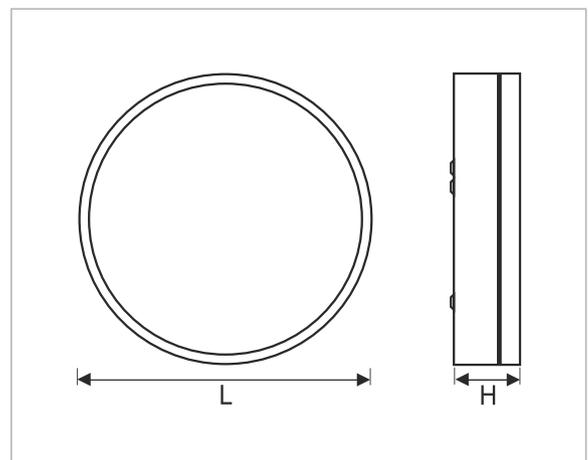
Code	Driver	Power LED [W]	Luminaire power [W]	Ra	Colour temp.	Lumens LED [lm]	Luminaire flux [lm]	W [mm]	H [mm]	Weight [kg]
200063.5L01.11X	ED	37	45	80	3000	4000	3000	450	100	5,9
200063.5L02.11X	ED	37	45	80	4000	4400	3300	450	100	5,9
200063.5L03.12X	ED	170	200	80	3000	18300	13650	950	100	20,3
200063.5L04.12X	ED	170	200	80	4000	19800	14800	950	100	20,3

- 1 - SATIN
- 2 - MICROPRISMATIC

Colour temperature might differ +/- 10% from the nominal one
Luminaire power and luminous flux is dependent on luminaire temperature with tolerance +/-10%

Sample code:

- 200063.5L01.111
- 200063.5L01.112





TUBULAR

Carbon surface of TUBULAR meets the present trends in interior architecture, perfectly accomplishing modern, minimalistic interior design.

LED

50⁰⁰⁰h
lifetime

FLASH & DQ



TUBULAR PENDANT / TUBULAR CEILING / TUBULAR WALL

DESCRIPTION:

pendant, surface or wall mounted luminaires for LED lamps Ø 111 mm with horizontally and vertically adjustable lighting direction

TECHNICAL DATA

Body: two aluminum tubes, inner tube made of anodized aluminum in silver, outer tube - anodized aluminum with carbo fibre structure, finished in black
Colour: black and silver
Way of mounting: pendant, surface or wall mounted

OPTICAL DATA

Spotlight: painted black aluminum
Luminaire: LED lamp 3000K or 4000K
Beam angle: 24° or 40°

ADDITIONAL INFO

Additionally available: metal halide light sources (on request)
Application: retail, hotel and residential, office applications, decorative lighting in representative rooms

TECHNICAL DATA

TUBULAR PENDANT LED

Code	Driver	Power LED [W]	Ra	Colour temp.	Luminaire flux [lm]	Beam angle	W [mm]	H [mm]	Weight [kg]
230013.5L02.11	ED	18	92	3000	1230	24°	185	362	3,8
230013.5L01.11	ED	18	92	4000	1300	24°	185	362	3,8
230013.5L04.11	ED	18	92	3000	1230	40°	185	362	3,8
230013.5L03.11	ED	18	92	4000	1300	40°	185	362	3,8

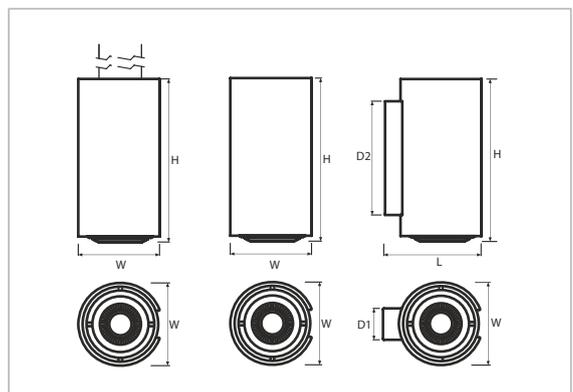
TUBULAR CEILING LED

Code	Driver	Power LED [W]	Ra	Colour temp.	Luminaire flux [lm]	Beam angle	W [mm]	H [mm]	Weight [kg]
230013.5L02.21	ED	18	92	3000	1230	24°	185	362	3,8
230013.5L01.21	ED	18	92	4000	1300	24°	185	362	3,8
230013.5L04.21	ED	18	92	3000	1230	40°	185	362	3,8
230013.5L03.21	ED	18	92	4000	1300	40°	185	362	3,8

TUBULAR WALL LED

Code	Driver	Power LED [W]	Ra	Colour temp.	Luminaire flux [lm]	Beam angle	L [mm]	W [mm]	H [mm]	D1 [mm]	D2 [mm]	Weight [kg]
230013.5L02.61	ED	18	92	3000	1230	24°	215	185	362	70	256	4,2
230013.5L01.61	ED	18	92	4000	1300	24°	215	185	362	70	256	4,2
230013.5L04.61	ED	18	92	3000	1230	40°	215	185	362	70	256	4,2
230013.5L03.61	ED	18	92	4000	1300	40°	215	185	362	70	256	4,2

Colour temperature might differ +/- 10% from the nominal one
 Luminaire power and luminous flux is dependent on luminaire temperature with tolerance +/-10%



LIGHT MACHINES FOR SALES INCREASING



PHIOLE

Multifunctional downlight revolution.

Unique fusion of downlight and spotlight for retail and other modern interiors.

LED

50⁰⁰⁰h
lifetime

FLASH&DO

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires



PHIOLE

DESCRIPTION:
unique multifunctional downlight luminaire incorporating spotlight function.
Unique and original colour of the luminaires makes it possible to create interesting decorative effects in modern interiors

TECHNICAL DATA

Body : painted steel sheet body, anodized aluminum reflector recess and plastic reflector rings

Colour: black or white body, reflector rings available in 7 colors

Way of mounting: recessed into ceilings

Optics: microprismatic or satin diffuser

Beam angle: vertical 0-90°, horizontal 0-350°

ADDITIONAL INFO

Additionally available: metal halide light sources (on request)

Application: hotels, restaurants, conference halls, sales, outlets, museums, galleries, offices, boutiques

TECHNICAL DATA

PHIOLE LED

Module type	Power [W]	L [mm]	W [mm]	H [mm]	Weight [kg]
PHIOLE "A"	1 x X	196	348	144	2,6
PHIOLE "B"	2 x X	348	348	144	4,7
PHIOLE "C"	3 x X	428	464	144	6,0
PHIOLE "D"	3 x X	500	348	144	6,0
PHIOLE "E"	4 x X	652	348	144	7,6
PHIOLE "F"	5 x X	804	348	144	9,2

Sample code:

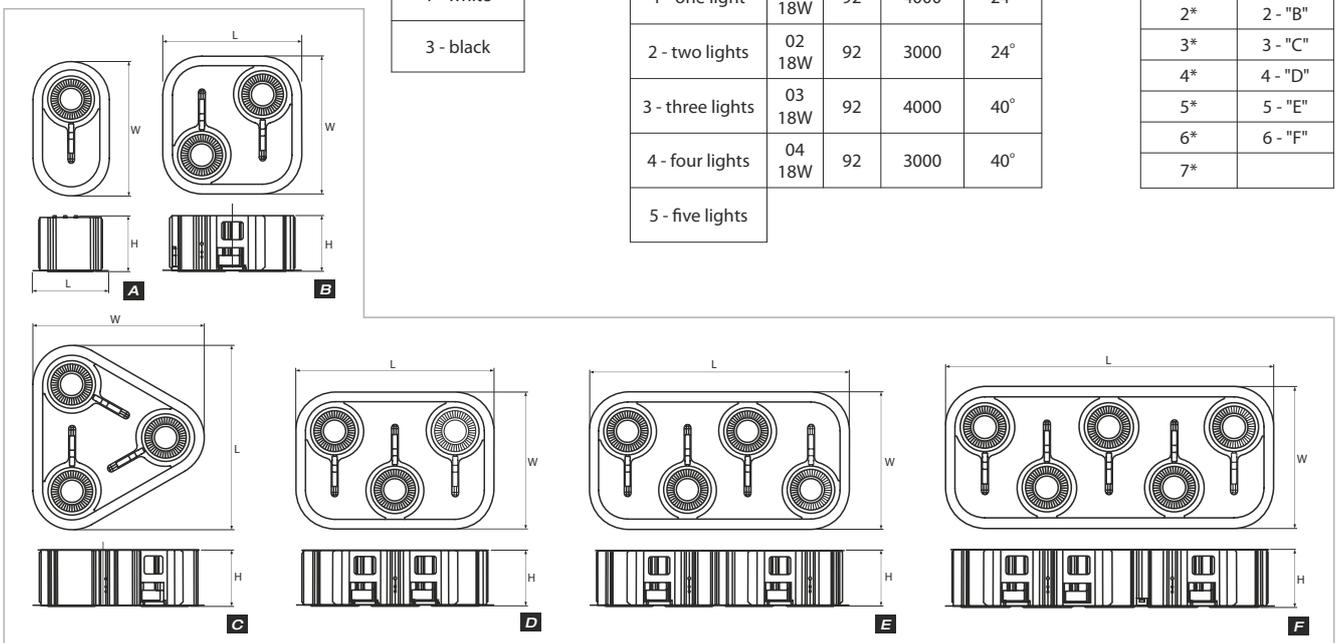
22001X.5LXXX.3XX
220011.5L202.333

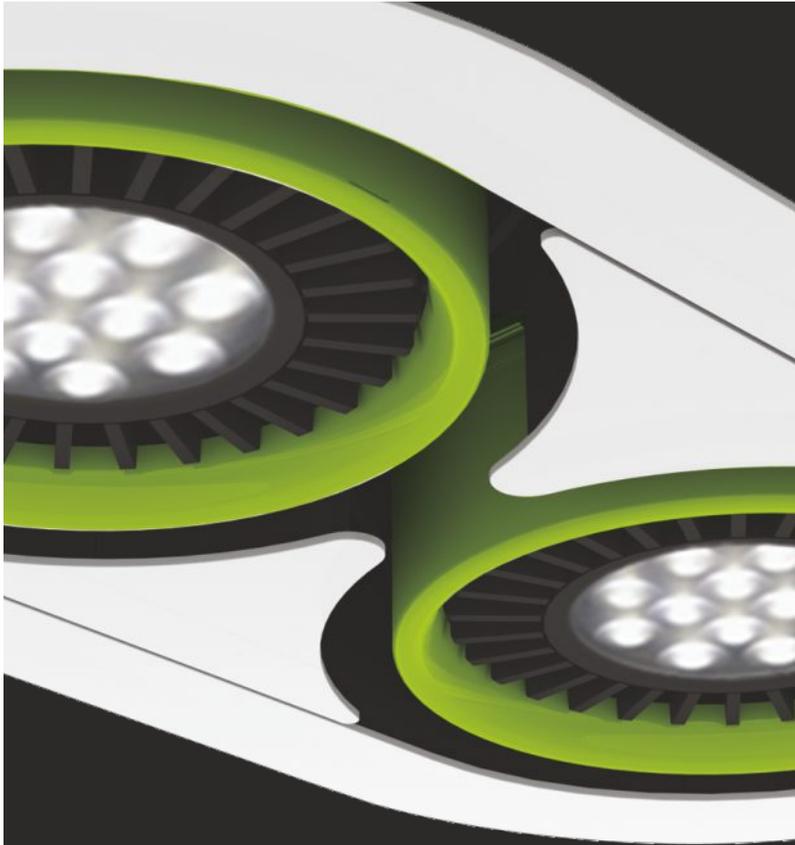
PHIOLE LED	BODY COLOUR			NO OF LIGHT SOURCES	POWER [W]				RING COLOUR	MODULE TYPE		
22001	X	.	5L	X	XX	Ra	COLOUR TEMP.	BEAM ANGLE	.	3	X	X

- 1 - white
- 3 - black

1 - one light	01 18W	92	4000	24°
2 - two lights	02 18W	92	3000	24°
3 - three lights	03 18W	92	4000	40°
4 - four lights	04 18W	92	3000	40°
5 - five lights				

1*	1 - "A"
2*	2 - "B"
3*	3 - "C"
4*	4 - "D"
5*	5 - "E"
6*	6 - "F"
7*	





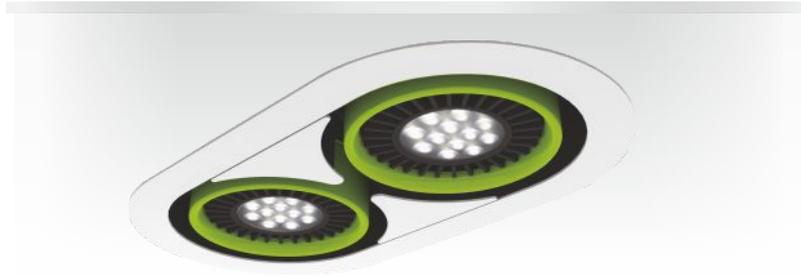
LED 

 50,000h
lifetime

 FLASH&DQ

TETRIS

Explore the potential of shapes and colours.
„Downlight“ does not mean „boring“ anymore...



TETRIS

DESCRIPTION:
unique downlight luminaire of modern, sophisticated design for LED. Cutting edge and original colours of the luminaires make it possible to create interesting decorative effects in modern interiors

TECHNICAL DATA

Body : painted steel sheet body, anodized aluminum reflector recess and plastic reflector rings

Colour: black or white body, reflector rings available in 7 colors

Way of mounting: recessed into ceilings

ADDITIONAL INFO

Additionally available: metal halide light sources (on request)

Application: hotels, restaurants, conference halls, sales, outlets, museums, galleries, offices, boutiques

TECHNICAL DATA

Module type	Power [W]	L [mm]	W [mm]	H [mm]	Weight [kg]
TETRIS "A"	1 x X	196	196	144	2,4
TETRIS "B"	2 x X	348	196	144	3,2
TETRIS "C"	3 x X	500	196	144	4,6
TETRIS "D"	4 x X	652	196	144	5,2
TETRIS "E"	4 x X	348	348	144	5,2
TETRIS "F"	3 x X	348	348	144	4,6
TETRIS "G"	4 x X	500	348	144	5,2
TETRIS "H"	4 x X	500	348	144	5,2

Sample code:

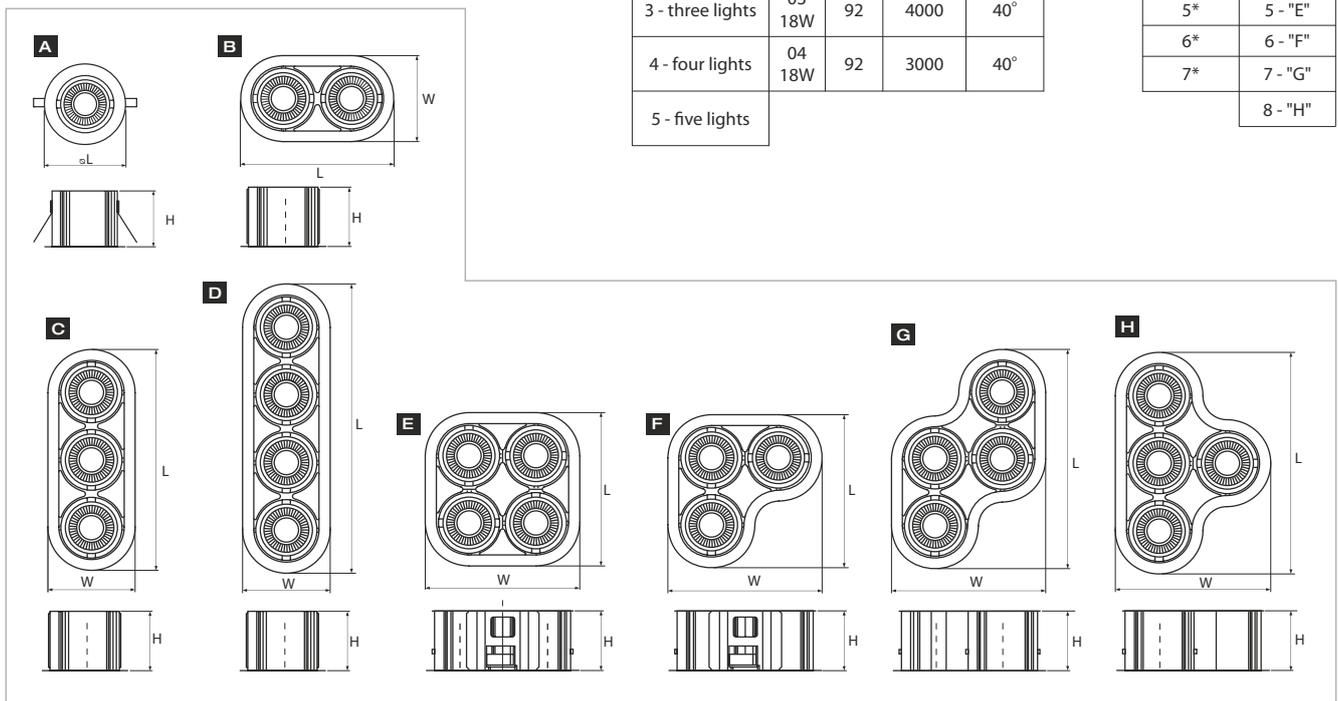
22001X.5LXXX.3XX
220011.5L202.333

TETRIS LED	BODY COLOUR			NO OF LIGHT SOURCES	POWER [W]						RING COLOUR	MODULE TYPE
22002	X	.	5L	X	XX	Ra	COLOUR TEMP.	BEAM ANGLE	.	3	X	X

1 - white
3 - black

1 - one light	01 18W	92	4000	24°
2 - two lights	02 18W	92	3000	24°
3 - three lights	03 18W	92	4000	40°
4 - four lights	04 18W	92	3000	40°
5 - five lights				

1*	1 - "A"
2*	2 - "B"
3*	3 - "C"
4*	4 - "D"
5*	5 - "E"
6*	6 - "F"
7*	7 - "G"
8*	8 - "H"



OUR EXPERIENCE IN RETAIL LIGHTING

LUG lighting solutions are strongly appreciated and recommended for RETAIL applications. Our customers as well as industry specialists and businesspeople have appreciated our company's professionalism and reliability evidenced in the many prizes which LUG has been awarded.



„LUG FLASH DQ - Innovatives Design für anspruchsvolle Architekten - Aktuelle Lichttechnik für umweltbewusste Planer“

Manfred

Manfred Kunath
Ing.-Elektrotechnik + Lichtplaner

ON-LIGHT

„FLASH&DQ solutions not only illuminate interiors but also, due to the unique design, are decorative elements. Combination of the high lighting parameters with outstanding design give exceptional character to the interiors.“

Ewa Gawroniak-Olejniczak

Ewa Gawroniak-Olejniczak
Biuro Architektoniczne

ego STUDIO SHOP DESIGN



LUG ON RETAIL EXHIBITIONS

LUG has been working with retail projects for many years. Our experience and high quality of products makes LUG a reliable supplier of complex lighting solutions for any RETAIL interior.

As a main partner of the RETAIL Show in Warsaw we were asked to supply luminaires for the entire "Perfect Store", where architects presented how to illuminate shopping area in the perfect way.

We have also presented our newest products during each EUROSHOP, the leading trade fair for this industry.

2011



2012



2013



2014



CUSTOMIZATION OF SOLUTIONS

One of the pillars of LUG's strategy is the development of comprehensive services for investment illumination projects. Due to the fact, that many projects require specific and unique solutions, LUG offers its clients customized luminaires.

Depending on the client's needs, the customization process covers: minimal corrections to the existing luminaires, special design alterations, as well as the design of completely new products. This shows that LUG is not just a manufacturer but primarily a creator of lighting solutions.

Thanks to the competence of our personnel, our technical and production resources, as well as an innovative research and development department, LUG is able to fully serve the needs of its clients, who search for non-standard lighting solutions.



before



after



We customize our products to the needs of your investment.

The customization process in LUG allows for a wide range of changes. Modifications can be done to elements of optical photometry, frame colour, dimensions and mounting.

To meet your demands, we provide the opportunity to customize our products to meet all of your expectations in order to best preserve the architectural vision and cohesion.



3x
more
efficient



2x
less
energy



2 years
ROI

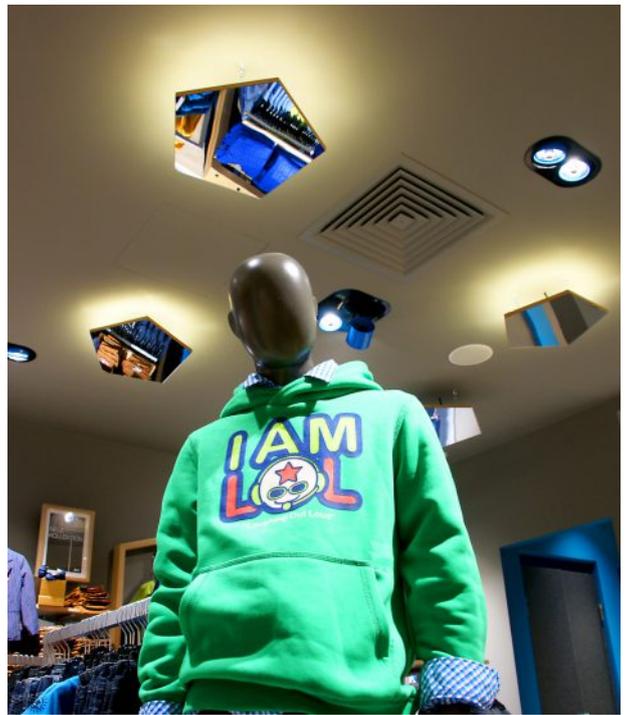
100
LUMENS WATT



50,000h
lifetime



5 years
warranty

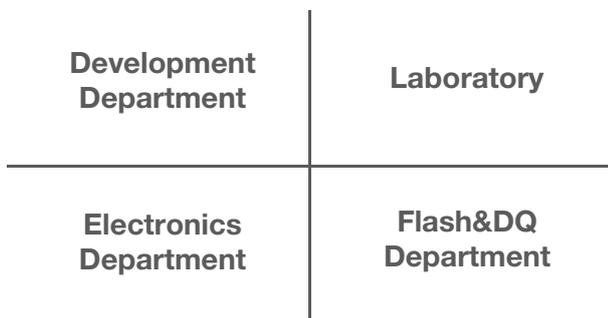


R&D

COMPETENCE

LUG continuously invests in high class technological solutions and technology park. However, it is the people who ensure new degrees of quality and progress on an everyday basis, that are the most important.

The LUG Research and Development Department gathers the best specialists in the area of design.

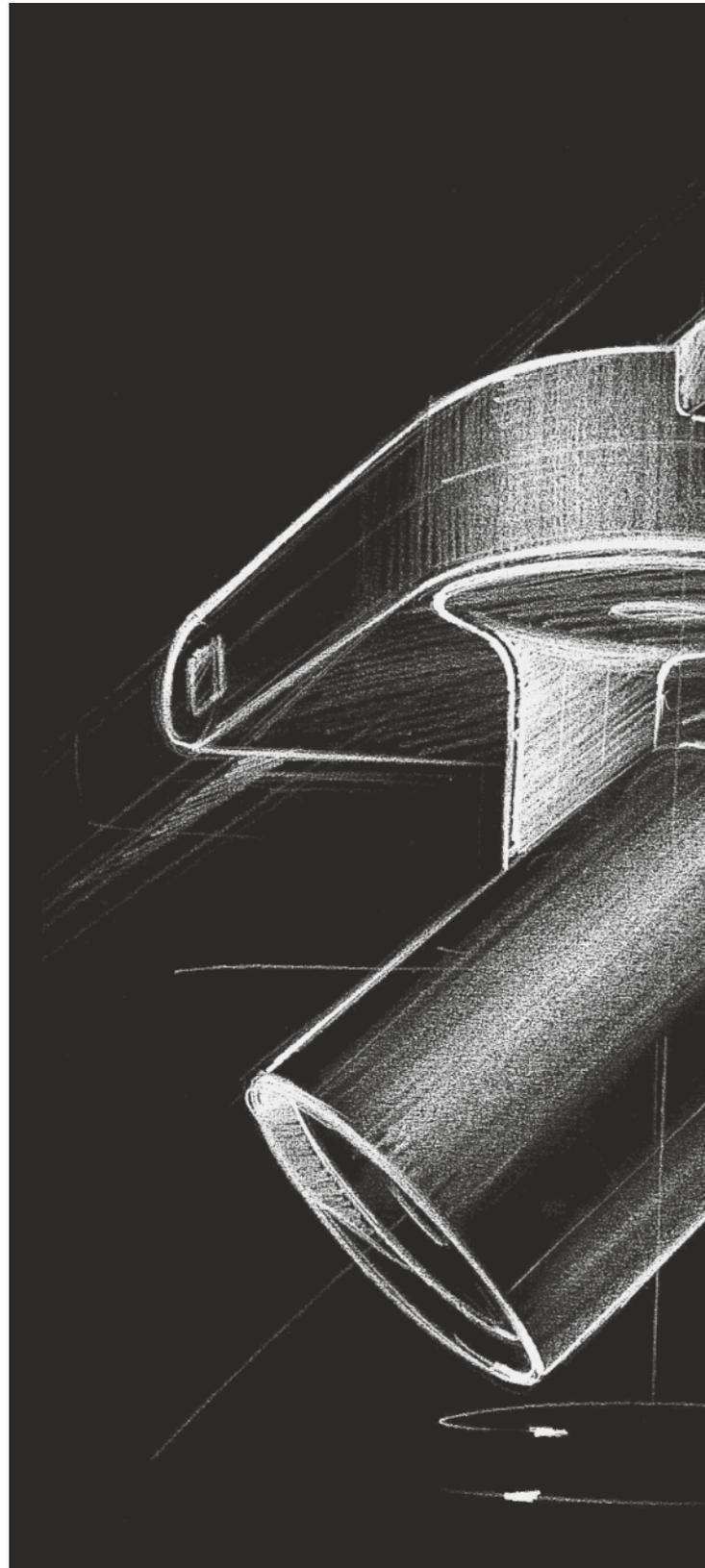


The core of R&D is composed of a highly qualified team of designers and electronics specialists, to whom LUG gives an opportunity to fully participate in shaping the company's future. The competences of this department are a synergy of contemporary lighting knowledge, research and practical experience.

A fully equipped photo-optical laboratory, state-of-the-art design software and access to the newest technologies are the basis of dynamic and continued development.

But at the beginning there always is a concept, a piece of paper, a pencil and the will to create.

Combined with the ability to follow international market trends, it allows us to create lighting solutions of the future.



PRODUCTS & TECHNOLOGY

Customization processes and the highest quality of products allow the company to carry out professional and ambitious lighting projects and ensure the highest illumination parameters at the same time. The LUG production process is based primarily on in house manufacturing using a modern machine park.

In order to ensure the highest quality, functionality and aesthetic qualities of LUG products, the company constantly invests in state of the art technological solutions.

Thanks to the unlimited possibilities offered by LED technology, LUG dynamically develops new luminaire concepts what is evidenced by the number of LED solutions available in our offer. Searching for new and efficient solutions which ensure cost reduction, high energy-efficiency and reduction of CO2 emissions at the same time allowing to achieve higher quality is a path which LUG has taken and intends to continue on in its business.







