2026/2027

# ILLUXTRON

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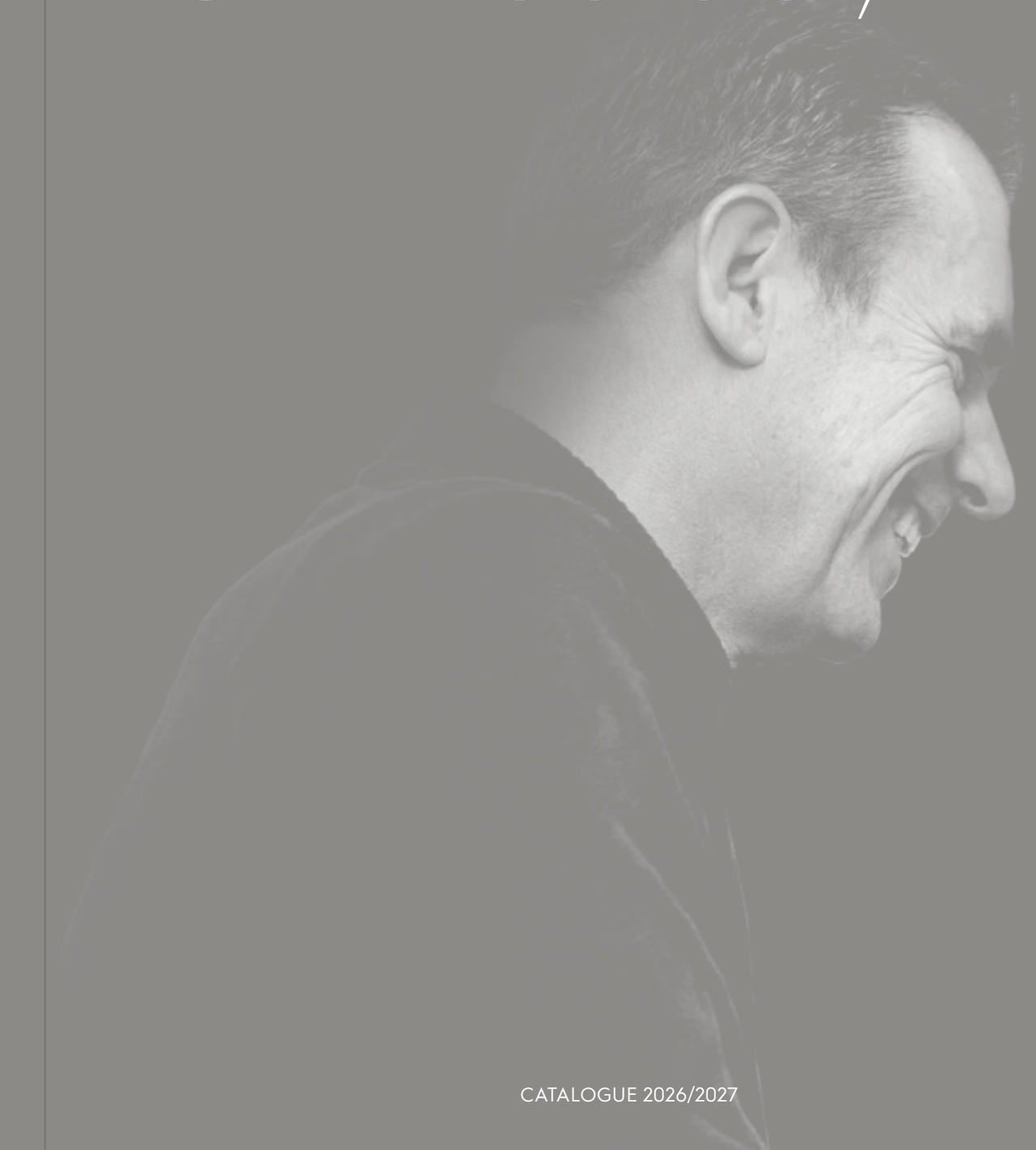
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# Dear valued partner, dear lighting enthusiast,



Together with our project partners, we have gained significant experience in accomplishing larger, more complex projects over the past few years. The insights gained from these projects form the foundation for the next step in our development.

In this catalogue, we introduce several new collections, including L4CS (Lighting for Ceiling Solutions), Light & Health, and Trade products. Our MIYO custom-made experience has continued to grow, enabling us to develop entirely new professional lighting solutions that stand apart from our standard product range. These expansions allow us, together with our partners, to act as a total partner within professional projects.

We have also gained valuable experience in sustainability and wellbeing standards, including BREEAM and the WELL Building Standard, as well as in energy-efficient lighting management. By collaborating with our partners, we can engage and provide advice to our clients.

These advancements strengthen our position as a leading supplier for professional projects that require more than standard solutions, providing everything from integrated lighting systems to custom and innovative designs. We would like to express our gratitude to our partners for their trust and collaboration thus far, and we enthusiastically look forward to the new product and project opportunities that lie ahead.

Kind regards,

Quinten van de Vrie
Chief Technology Officer / General Director

# About us

ILLUXTRON

# 50+ years of History

**1971** Start Vrieland with Hobbylamp

**1975** First spotlights developed

**1979** Production of 50,000 spots per week

**1982** First Halogen luminaires

**1995** GU10 Halogen together with Sylvania

**1998** Lumiance Trend collection

**2003** First LED luminaires developed

**2004** Eyeled floorLED collection

**2005** Trilux Light & Accent

**2006** Sold 100,000 units Philips SpotLED range

**2009** Illuxtron International B.V. started

**2012** Driverless LED

**2017** Datacenter collection

**2021** Integration of ventilation

**2026** performance-enhancing lighting

## Timeline



Quinten sr.

Quinten jr.

# Characteristic products



1971

**→ Hobbylamp**
Later followed by a magnifier version
Sold more than 1,000,000 pcs



1974

**→ Stekkerspot**
Luminaire to plug in a wall socket



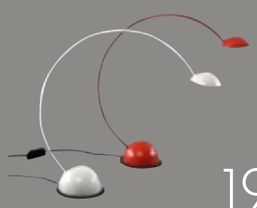
1978

**→ Clampspot E14**
Followed by a range of ceiling spots
Production of 50,000 units per week



1981

**→ Sweazy**
Table lamp E14



1984

**→ Gallo**
Halogen table lamp G4



1985

**→ Quattro**
Halogen spot AR50



1987

**→ Xantippe**
Design by Ad van Berlo



1999

**→ Frame**
GU10 spot developed for the commercial market



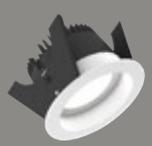
2003

**→ Eyeleds**
6.5mm floorLED to build in different flooring materials



2005

**→ SpotLED**
First LEDspot in high volume.
Developed for Philips.



2012

**→ Fluxe 75**
HV driverless downlight



2018

**→ Pointer**
Antiglare pin hole spot



2021

**→ Linessa Air**
Antiglare Panel serie
incl. cold or hot air ventilation



2023

**→ Custom-made solutions**
MIYO - Cortina variant for pharmaceutical production



2025

**→ L4CS collection**
Lighting for Ceiling Solutions



2026

**→ Light & Health**
Awareness of healthy light
for different activities

# About Illuxtron

With over 50 years of knowledge and experience in the lighting industry, we know our products inside out and strive for continuous improvements. We incorporate the latest technology in our LED lighting. We always look to innovate and improve, from dimmable downlights to LED panels and luxurious ceiling lights.

LOCATIONS

**HEAD OFFICE**



Vlissingen

**FACTS**

35 people HQ / 75-100 workers
3 production locations
520.000 products 2024
650.000 products 2025
300 project customers
33 export countries

**PRODUCTION**



Vlissingen




Goes




Terneuzen









## CUSTOM-MADE

But we don't stop there. If our collection doesn't meet your needs, we can provide custom-made lighting solutions, from minor modifications to entirely new products.

## ASSEMBLY IN EXTERNAL WORKSHOPS

· Regional assembly at 3 sheltered workshops
· 75-100 production employees
· 50 years of production experience
· Flexible capacity

## ASSEMBLY IN ILLUXTRON WORKSHOP

· Internal assembly workshop
· Custom-made projects
· Assembly to plate and extra quality check

## ILLUXTRON PACKAGING

· Extra quality check
· Project packaging per room

## 100% DUTCH

Our R&D department in the Netherlands develops our LED lighting from A to Z. We know our products inside out and challenge ourselves to improve them.

## PROJECT SUPPORT

Bulk packaging, room-by-room labelling, and free GST18 plugs are all options for products.

## FAST DELIVERY

Despite the market's current supply issues, Illuxtron has enough inventory to ensure a delivery time of 10 days (for orders of less than 100 pieces).

## CUSTOMER SUPPORT

Our sales department is always at your service for any questions or for support.
sales@illuxtron.com
+31 (0)85 773 63 60



# Sustainability & passion for lighting

## PRODUCT DESIGN

Our lighting solutions are designed for high operational reliability and a long service life. With high-quality materials and energy-efficient LED technology, our luminaires have a lifespan of approximately 7 years under continuous operation at an ambient temperature of 45 °C. Each product is thoroughly tested, and power supplies are carefully managed, resulting in a low failure rate of just 0.5%. The environmental impact of our luminaires is assessed through Life Cycle Assessments (LCAs) and registered in the Dutch Environmental Database (NMD), providing valuable insights to further optimise our products and supporting transparent MPG and BREEAM calculations.



## LOCAL ASSEMBLY & SHORT SUPPLY CHAINS

To reduce our ecological footprint, Illuxtron focuses on local assembly and short supply chains. Our luminaires are assembled in sheltered workshops close to our head office in the Netherlands. For custom-made solutions, we primarily use in-house components and collaborate with local or European partners. This approach minimises transportation and reduces emissions, while allowing us to maintain a flexible and efficient production process. Additionally, we can ensure faster delivery times of 5 to 10 working days while retaining flexibility in our manufacturing.





## SOCIAL ENGAGEMENT

At Illuxtron, we believe everyone should have the opportunity to participate. For many years, we have been working with sheltered workshops where people with a distance to the labour market assemble our products under professional guidance. Through clear processes and multiple control steps, we ensure consistent quality while supporting personal development towards regular employment, including positions within our own custom-made assembly team. This long-term approach reflects our commitment to responsible production and sustainable working relationships.



## PACKAGING AND WASTE MATERIALS

Illuxtron has switched from plastic packaging to eco-friendly cardboard and has further minimised waste by using bulk packaging for project orders. By delivering luminaires in stackable, well-protected trays, both packaging materials and on-site handling are significantly reduced. This approach not only speeds up installation but also lowers the environmental impact. Since September 1, 2025, bulk packaging is the standard for project orders in the Netherlands, wherever technically feasible.






*Plus Ultra Utrecht - BREEAM NL Outstanding - WELL Platinum*

# Illuxtron closely follows international regulations

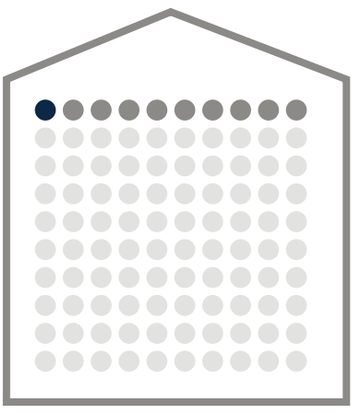
### BREEAM & WELL BUILDING STANDARD

These requirements are intended to make the sustainability of buildings measurable. For decades, they have been regularly revised and expanded to include new criteria and building types. The requirements for these types of buildings are constantly evolving, and Illuxtron ensures that any product adjustments are implemented quickly. Because Illuxtron produces to order, we don't have to deal with old inventory that hasn't been adapted yet.

### WELL AS AN INVESTMENT IN YOUR EMPLOYEES

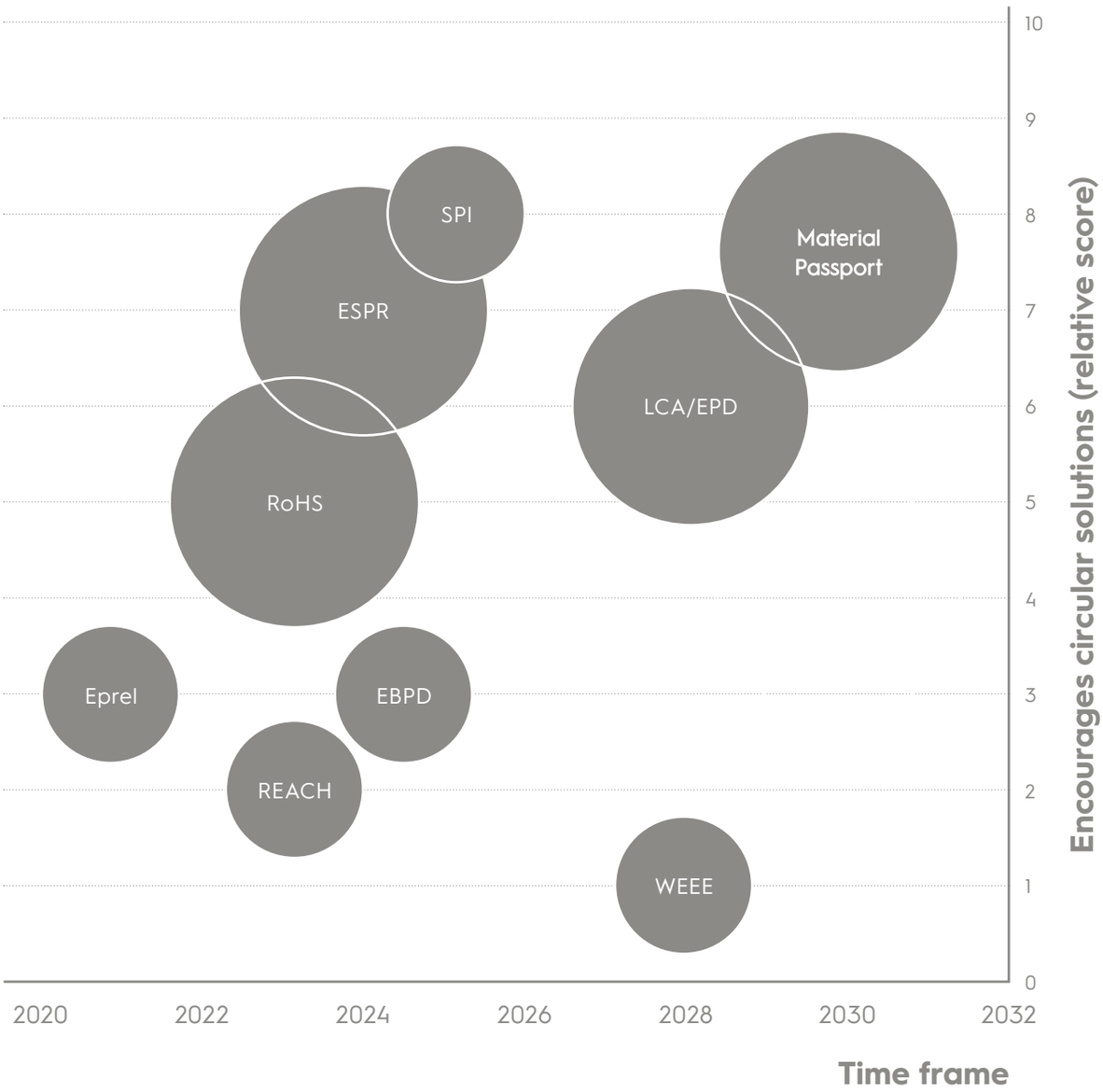
WELL is the only building certification programme in the world that prioritises people and requires performance testing to verify that the building has achieved optimal conditions for health.

WELL is being implemented in over 74,000 locations in more than 137 countries around the world and leads to a 7.7% higher rental income. It tests buildings on 10 themes, including air, water, light, nutrition and mental health. The classification goes from bronze, silver, gold to platinum.



- **1%** Energy costs
- **9%** Rental costs
- **90%** Staff costs in salaries and benefits

## Directives & regulation Capital Equipment




### BREEAM NL RATING

In addition to the standard BREEAM requirements, the Netherlands has made its own BREEAM-NL additions.

| | | |
|---|---|---|
| Outstanding | ★★★★★ | >85% |
| Excellent | ★★★★☆ | >70% |
| Very good | ★★★☆☆ | >55% |
| Good | ★★☆☆☆ | >45% |
| Pass | ★☆☆☆☆ | >30% |

Requirements in the Netherlands are higher than in the rest of Europe. Illuxtron was the first lighting manufacturer to register its products in the National Environmental Database.

THIS PRODUCT IS LISTED IN
THE DUTCH ENVIRONMENTAL DATABASE

In the Netherlands, WELL is gaining popularity as a means of increasing productivity and reducing absenteeism due to illness. It assesses buildings on 10 themes, including air, water, light, nutrition and mental health.

### ENERGY PERFORMANCE REQUIREMENTS BUILDING (EPBD)

The energy performance of buildings must improve to reduce energy consumption. The European Commission has issued a guideline known as the EPBD III, which has been incorporated into Dutch laws and regulations. A new directive, EPBD IV, has also been developed. The Netherlands is required to implement this guideline before mid-2026. This initiative is one of many efforts Illuxtron and her partners are currently preparing for.

### MATERIAL PASSPORT

The ESPR (Ecodesign for Sustainable Products Regulation) legislation has one goal: to make products more sustainable by setting requirements for the design of physical goods sold in the EU. A key component of this is the Digital Product Passport (DPP). This digital passport travels with the product and contains information about its composition, origin, and how the product can be used, reused, or recycled.
This contributes to extending the life cycle of products so we use fewer raw materials in the transition to a circular economy.

# Illuxtron standard collection

ILLUXTRON


LP-LT13

# Explanation of the different technologies used in our products


Mini downlight technology
**20-21**

Pointer optics
**22-25**

HV-FD technology
**26-29**

Low voltage technologies
**30-33**

PI-LED technology
**34-37**

Ceiling Plates optics
**38-41**

Driver technology
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Installation springs
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**Tabel of contents Illuxtron collection**
**46-49**

## Downlights (mini)



**Strada 35**
76



**Strada 50**
76



**Linea 50**
102



**Fluxe 35**
See pricelist



**Fluxe 50**
See pricelist



**Pointer 40**
54



**Pointer 68**
54



**Pointer Spot 68 adj**
54



BARTENBACH

# Bartenbach 'Dark Light' technology

### TECHNICAL PARTNERSHIP BETWEEN BARTENBACH AND ILLUXTRON INTERNATIONAL

Illuxtron International and Austrian company Bartenbach started a technical partnership in the field of reflector technology in 2015. Prior to developing the new products, our R&D team set out some quality requirements that the products had to meet in terms of lighting technology. Both R&D teams worked on developing "Dark Light" reflectors for our mini downlights, Linessa and the Aviora Panel.

### REFLECTOR

The reflectors developed in collaboration with Bartenbach feature high-reflection facets that ensure high light output. In addition, the reflector's usual facets have extra microfacets that direct the maximum amount of light in the right direction. This enables us to project as much light as possible onto the work surface. All reflectors are fitted with a protective glass that prevents loss of light output due to deposits on the mirror surface.

## Features of Bartenbach's Dark Light Technology

- Low UGR levels combined with high light output
- Excellent homogeneity of the light beam, even in combination with various LED colours
- Protection glass to prevent tarnish on the reflector

## LOW UGR (UNIFIED GLARE RATING)

Beam width is usually determined at 50% of the highest lux value in the beam (full width half maximum). However, there is often still a lot of scattered light outside of this beam width that causes annoying glare. For this reason Bartenbach also uses beam angles at 10% value (full width tenth maximum). The Fluxe 35 reflector, for example, is 2x18.9° at 50% value (FWHM) and only 2x32.7° at 10% value (FWTM). When we compare this with a standard GU10 halogen bulb of 2x12°, the beam angle at 10% is actually wider than the 2x32.7°. This means that in practice a standard GU10 bulb will cause a lot more glare than the Fluxe 35 reflector.



## PERFECT LIGHT COLOUR

In addition to the above, the light of all four LEDs contained in the reflector cup is mixed to the limit, creating a light beam without any yellow spots. This is particularly important for versions that use two warm-white and two neutral-white LEDs.

## 4W LED ENGINE EQUIVALENT OF 50W GU10

By using 4 high power LEDs of the newest generation these tiny downlights emit more light than a traditional 50W GU10 halogen lamp.



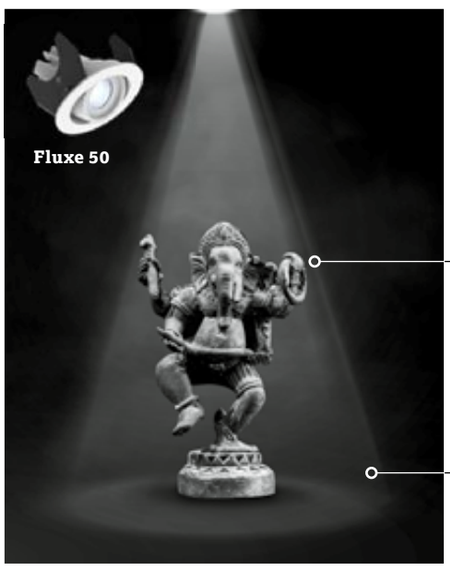



## BEAM 24°




The beam is initially narrow, but there is a lot of scattered light at the bottom, causing annoying glare.

## BEAM 40°




**FWHM**
(Full width half maximum)
Beam width at 50% of the highest light level is 45°.

**FWTM**
(Full width tenth maximum)
Beam width at 10% of the highest light level is 65°.

The beam is a bit wider, but there is virtually no scattered light at the bottom.





# Pointer series

### POINTER SPOT TRACK 48V

To reduce glare, the Pointer Spot's small light hole is recessed as far as possible into the long tube. Ideal for situations when multiple rail spots are used to illuminate the entire room.



### THE NEW SIGNATURE IN ARCHITECTURAL LIGHTING

Let's say you walk into a room that is perfectly lit, but you don't see any light points. That is the new signature in architectural lighting, and it starts with the Illuxtron Pointer Series. 3 new downlights with unique lenses and zero glare. The light emitting surface is only 8mm in diameter, but still produces between 350 and 650 lumens. This allows for a nearly invisible light experience that gives architects and lighting designers the possibility to present a room as they have never been able to before. All the attention goes to the room, not to the glare.

### ZERO GLARE LENS

The Pointer series is all about a revolutionary new lens that collimates the beam angle. This means the beam will reflect into an hourglass shape. The neck of the hourglass beam angle falls precisely through the opening of the downlight. Here, the beam angle is at its narrowest, and therefore the light-emitting surface of the Pointer downlights is only 8mm in diameter.

The lens also gives the possibility for an internal anti-glare ring. This makes for a cleaner design and ultra low UGR values. There is virtually no glare from Pointer downlights, and this gives an almost invisible light experience, while the room is perfectly illuminated. This gives a clean and relaxed effect in rooms that are equipped with Pointer downlights.

# Pointer series



Pointer 40
54



Pointer 68
54



Pointer Spot 68 adj
54



Pointer Spot 75
54



Pointer Spot SM 1L
58



Pointer Spot SM 2L
58



Pointer Spot Track 3F
64



Pointer Spot Track 48V
64



Pointer Spot WL
58



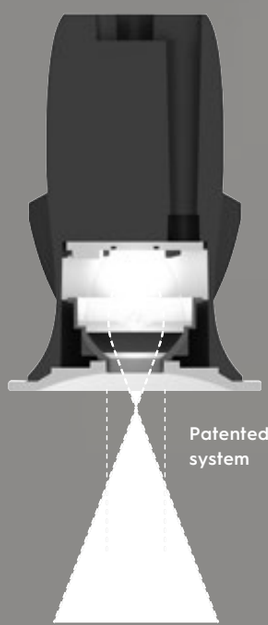
Pointer Spot Pendant SM
58



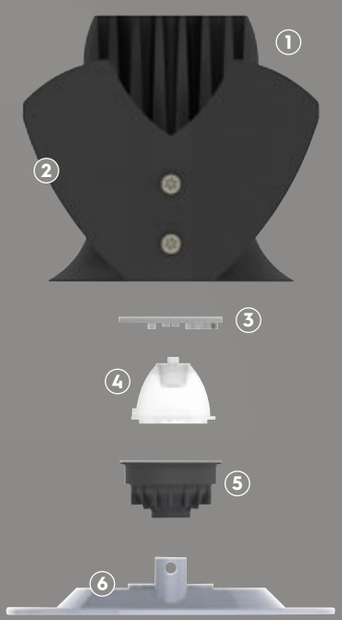
Pointer Spot Pendant 3F
64



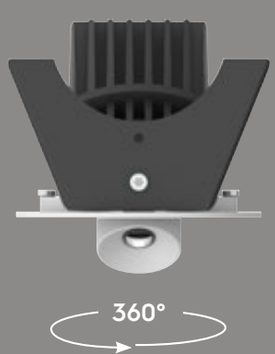
Pointer Spot Pendant 48V
64




1. High-end aluminium heatsink with a unique, elegant design
2. New spring for concrete ceilings
3. PCB with a high-power Lumileds PowerLEDs in 2700, 3000K and 4000K
4. Illuxtron patented optical lens system that makes pin-hole light possible
5. Anti-glare cap that ensures no stray light. The total light opening is only 8mm!
6. Sleek front ring in various colours



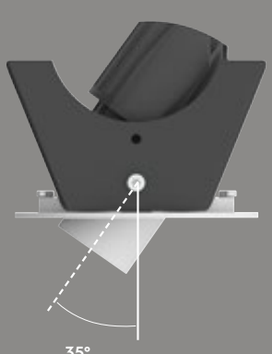

Adjustment option Pointer Spot 68 adj




Plug and play system for 500 and 700 mA drivers. The Pointer series is dimmable.



Adjustment option Pointer Spot 68 adj





Pointer 40, 375 Lm, 35°
Sharp beam angle developed by
Bartenbach where practically all of
the light is within the beam.



Fluxe 75 800Lm 80°
Standard downlight, where
much of the light spreads
throughout the room.

## Downlights (small)



**Strada 75**
80



**Strada 90**
80



**Fluxe 75**
92



**Fluxe 90**
92



**Fido 98**
See pricelist



**Fido 108**
See pricelist



**Linea 75**
104



**Fido CL 105**
70



**Vector CL 100**
82



**Fido WL 105**
70



# High Voltage Flicker-free Dimming technology (HV-FD)

### FLICKER-FREE PATENTED DIMMING TO 0.1%

The minimum and maximum dimming levels depend on the dimmer's quality. With a good quality dimmer, it is possible to achieve a dimming range of 0.1 – 100% (see our dimmer list on pages 188-189). Even at the lowest levels of dimming, our technology is still lower than 2.4% flicker with a negligible flicker index.

| | | | | | |
|---|---|---|---|---|---|
| **Dimming power** | 100% | 75% | 50% | 25% | 10% |
| **Flicker percent** | 0.4% | 2.4% | 1.2% | 1.4% | 1.4% |
| **Flicker index** | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |



## DALI & CASAMBI DIMMER GATEWAY

Typically, a group of lights is controlled collectively by a switch or dimmer. Instead of using an expensive driver for each spotlight, it's much simpler to use just one dimmer gateway to control multiple spotlights. An additional advantage is that dimming can be easily adjusted to less than 1%.



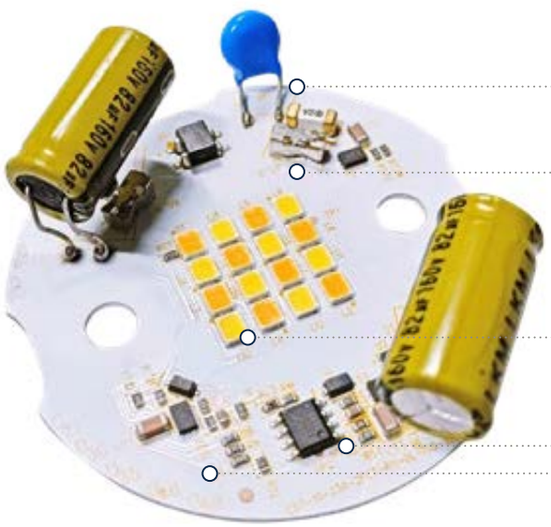

*Dali - Triac*
*Lighting Controls*
*Item code 4502303*




*Casambi - Triac*
*CBU-TED-RL*





### HV-FD 800 LM (2200-3000K)

- Protection circuit against voltage peaks (4000V)
- 220-240V input
- Multi junction LEDs
- Highly reliable because there are mainly active electronic parts in the circuit
- Flicker control circuit
- IC to reduce flicker

| | | |
|---|---|---|
| 100% | brightness | 3000K |
| 50% | brightness | 2900K |
| 25% | brightness | 2700K |
| 10% | brightness | 2200K |

### WARM DIM VERSION AVAILABLE

When dimming the light down, the light becomes warmer just like an incandescent lamp.

# Additional technical advantages (HV-FD)





## FLICKER-FREE: NO STROBOSCOPIC (FLICKER) EFFECTS

Surveys have linked light flicker to health problems. Even though flicker at these frequencies may not be visible to the naked eye, there is evidence to suggest that the human brain can detect light flicker at frequencies of up to 200Hz. Potential problems can include headaches, eye strain, impaired visual performance, or in extreme cases, epileptic seizures. While the best quality power supplies for low voltage luminaires have a flicker percentage of 1-3%, our High Voltage technology has a flicker percentage of only 0.4%.

## FLICKER-FREE PERFECT FOR VIDEO SHOOTS

It is important to have little to no flicker effects when recording video, where the images are cut with several black lines and it is not possible to shoot the video properly.

FLICKER FREE

## FLICKER-FREE RCS PROOF

Our past experience has shown us that Ripple Control Signals (RCS) sent over the electricity grid (e.g. for load switching or tariff switching), can cause an annoying flickering of the HV downlights. Our new patented Flicker-free dimmable (FD) technology is not affected by this kind of signal.

## EASY INSTALLATION

Each downlight is supplied with a 3-Pole connection box for screw-less looping of H03 or H05 cabling.



*Example: looping of "low smoke" cable for public buildings*

220-240V
LOOPING

## LOW INRUSH CURRENTS

While most power supplies have a high inrush current (e.g. >5 Amps), our high voltage solution has a maximum of 100 mA (incl. soft-start). With this low (almost negligible) inrush current, the number of luminaires per group, or per dimmer, is no longer determined by the inrush current but rather by the VA rating of that group or dimmer. E.g. a group protected by a B16 circuit breaker has an acceptable VA value of 3600VA. So this group can handle 3600/10 = 360 luminaires.



## 4KV SURGE PROTECTION

It is often necessary to protect electronic components from high-voltage spikes (surges) on the mains. These can be caused by switching inductive loads near the luminaires or by atmospheric discharges such as lightning strikes.

## NO DRIVER REQUIRED

In some countries, the spotlights are installed directly into the concrete ceiling without using a special concrete box.

For these installations, the spotlights come with special "Concrete Springs" that securely hold them in place.

With these types of installations, you don't want the heat generated by the spotlight to affect the driver, causing it to overheat.

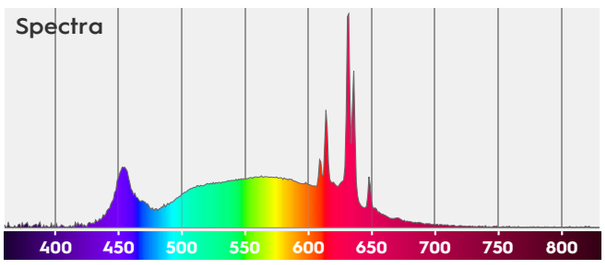
The Illuxtron HV-FD spotlights therefore operate without an external driver and can be easily looped through using standard 220-240 V installation wiring.

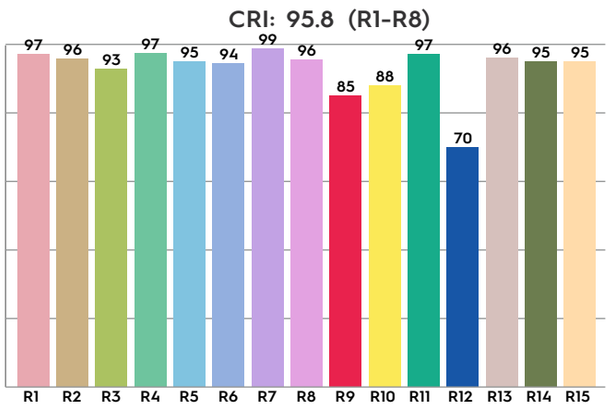




# Low Voltage technology (LV-HE) CRI95

### LINEA 185 60° 4000K CRI95




| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS |
|---|---|---|---|---|---|
| 3815 K | 95.8 | 85.0 | 91.3 | 98.6 | 94.3 |

### HIGH COLOUR RENDERING WITH IMPRESSIVE EFFICIENCY

We are introducing the latest LED technology, which combines efficiency with high colour rendering (CRI95/R9-85). By using patented phosphor technology, we create a white light with significantly improved properties. With these LEDs, we also achieve a lifespan of over 105,000 hours (L90B10).




COB module

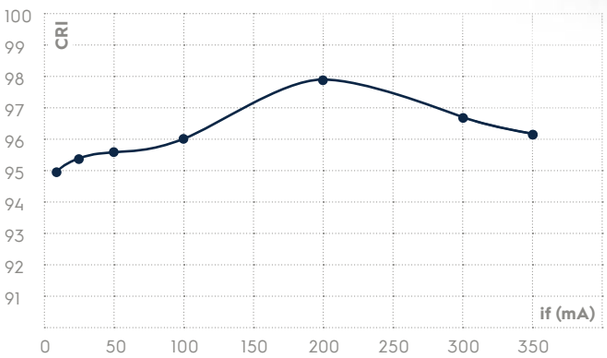


## DIM TO WARM 1800-3000K

Create the ideal ambience for restaurants and other hospitality venues by dimming LEDs with any control method.

| | | |
|---|---|---|
| 100% | brightness | 3000K |
| 50% | brightness | 2650K |
| 25% | brightness | 2200K |
| 10% | brightness | 1800K |

## CRI VERSUS CURRENT




Over the entire dimming curve, the CRI stays very high.

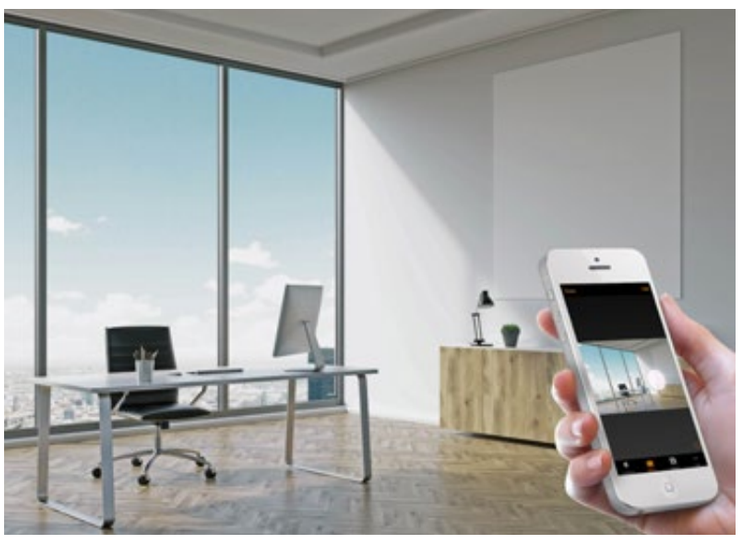
## WIRELESS MESH NETWORK

In addition to Bluetooth Low Energy, Casambi technology provides a mesh network in which the system's intelligence is replicated across every node. This creates a system with no single point of failure. Such self-organising, wireless mesh networks can control a large number of fixtures from any point. This also allows for firmware updates over a network, allowing any kind of changes to be made over-the-air. In this fully distributed, symmetric architecture, any unit can go offline and catch up with the others when it returns online. The Casambi devices are smart on their own and only connect when needed. An internet connection is not necessary for normal operation; it is only needed to send or recall user interface configurations from the cloud.

CASAMBI

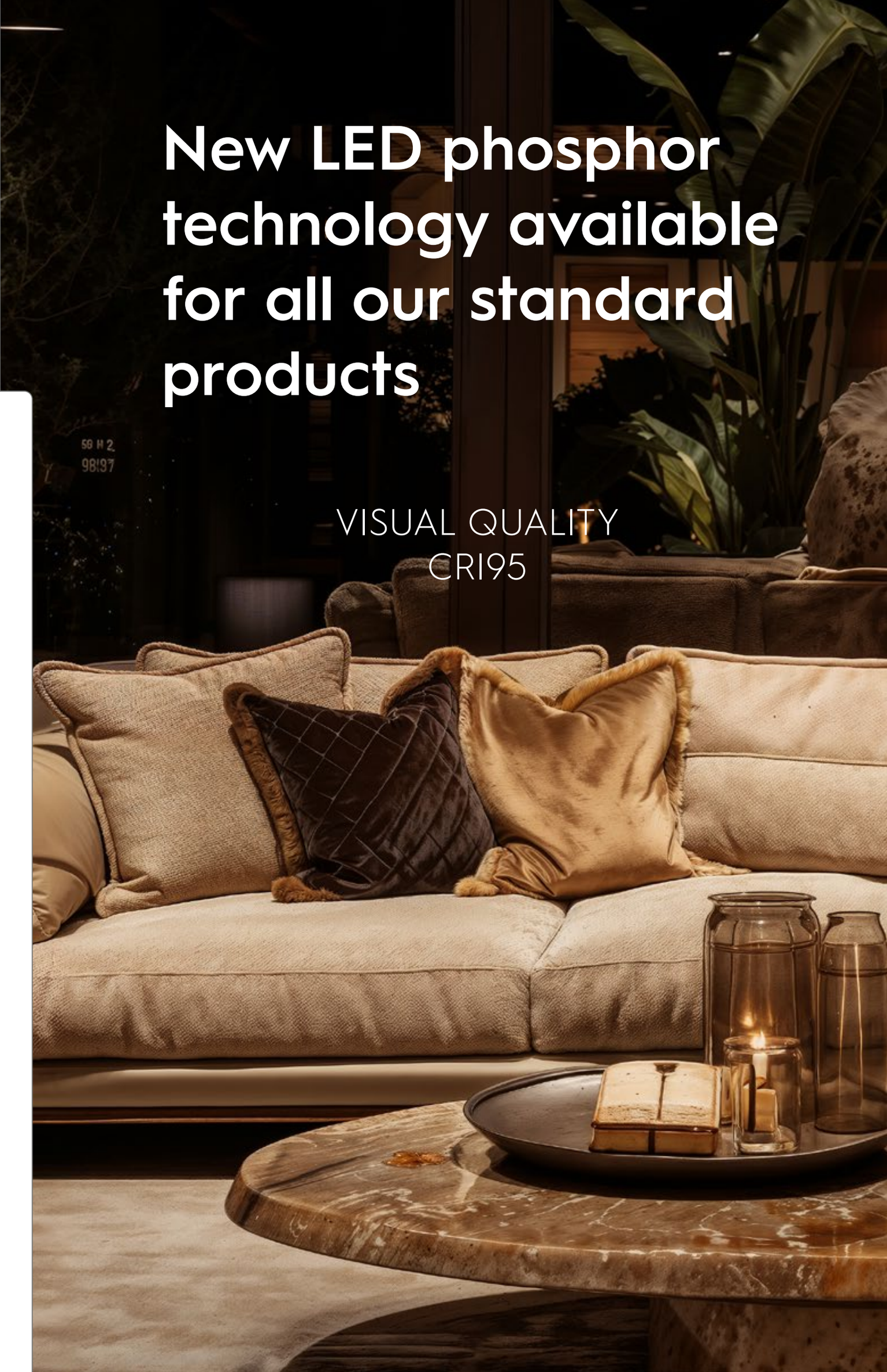
matter

Coming soon!



# New LED phosphor technology available for all our standard products

VISUAL QUALITY
CRI95




HIGHEST EFFICACY
CRI82





# PI-LED technology: More than tunable white

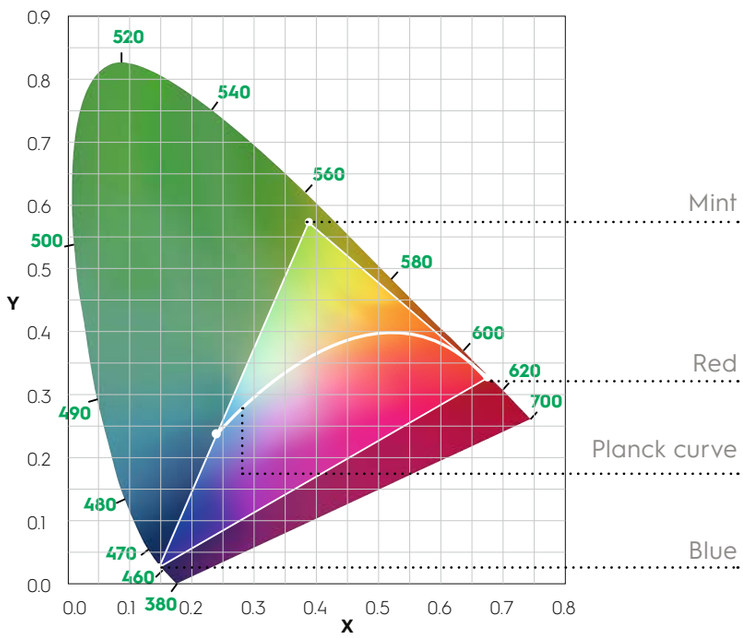
PI-LED®

## MORE THAN TUNABLE WHITE

PI-LED is far ahead of conventional tunable white solutions.

In order to optimally support the human biorhythm, it is important that lighting can imitate the intensity and colour temperature of sunlight.

Simple tunable white solutions based on cool and warm white do not meet this requirement. They have limited colour temperatures and are not intentionally located on the Planck curve.



# Products



**Strada 68**
78



**Odion**
120

*Ask MIYO about the possibilities of applying HCL with our products.*



## SYSTEM FEATURES

- CCT: 1800 – 16000K Daylight is always a combination of direct sunlight and diffuse radiation from the sky
- 100% calibration and temperature compensation > SDCM1 (typ.)
- Along the Planck curve or deliberately deviating
- Flicker-free thanks to modular dimming
- Separate red channel (Phosphor Converted Red)
- Blue channel separately controllable (amber night light) to temporarily avoid unwanted activation
- Individual control of RGB colours in the PI-LED colour space

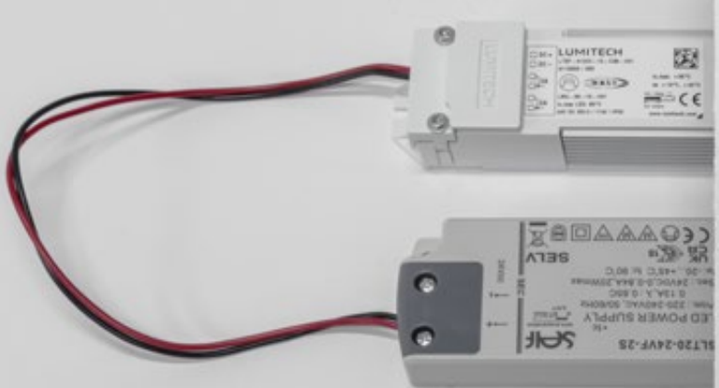
## CONTROL SYSTEM

- DALI DT8, Casambi or Zigbee
- Separate daylight sequences.
- Taking into account: time of day within the year and latitude (geographical adaptation)
- Automatic adjustment of colour temperature every 30 seconds
- Personal settings (individual adjustments)





*DRIVER PI-LED*
*input: 24Vdc*




*POWER SUPPLY*
*input: 220-240Vac*
*Output: 24Vdc*








# What is PI-LED?

PI-LED®

PI-LED delivers daylight-like lighting at the highest level, thanks to its patented, proven technology that combines tunable white and RGB in a single light source. This allows PI-LED to accurately replicate sunlight in terms of spectral quality and the continuous change in colour temperature throughout the day.

PI-LED is a technology marketed by Kiteo, with which Illuxtron has a close collaboration in the field of production.



Kiteo
MEMBER OF LUMITECH GROUP

## MELANOPIC FACTOR

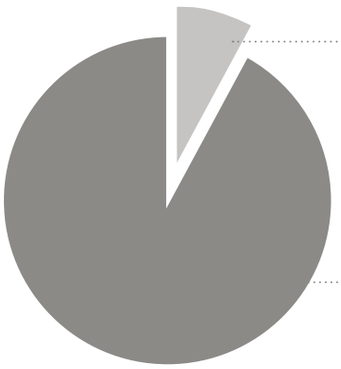
| | VISUAL | | MELANOPIC | | MELATONIN |
|---|---|---|---|---|---|
| Colour temperature [K] | Luminous flux [Lm] | Illuminance [lx] at the level of use | Luminous flux [Lm] | Illuminance[lx] at eye level | ACTIVATION |
| 2500 | 2630 | 525 | 1120 | 102 | NO ACTIVATION |
| 3000 | 3300 | 659 | 1700 | 152 | HARDLY ACTIVATION |
| 4000 | 3960 | 791 | 2659 | 236 | HARDLY ACTIVATION |
| 5500 | 3780 | 755 | 3195 | 284 | ACTIVATION |

HARDLY TO NO ACTIVATION < 240 MELANOPIC LUX

ACTIVATION > 240 MELANOPIC LUX

## IMPORTANCE OF HEALTHY LIGHT

The purpose of good lighting is to improve the quality of life. Melanopic lighting will improve users' well-being, helping them feel healthier and more energised while enhancing their attention span and concentration. In addition, it can also contribute to faster recovery from illness, lower stress levels, greater relaxation and improvements in the body's natural sleep/wake cycle.



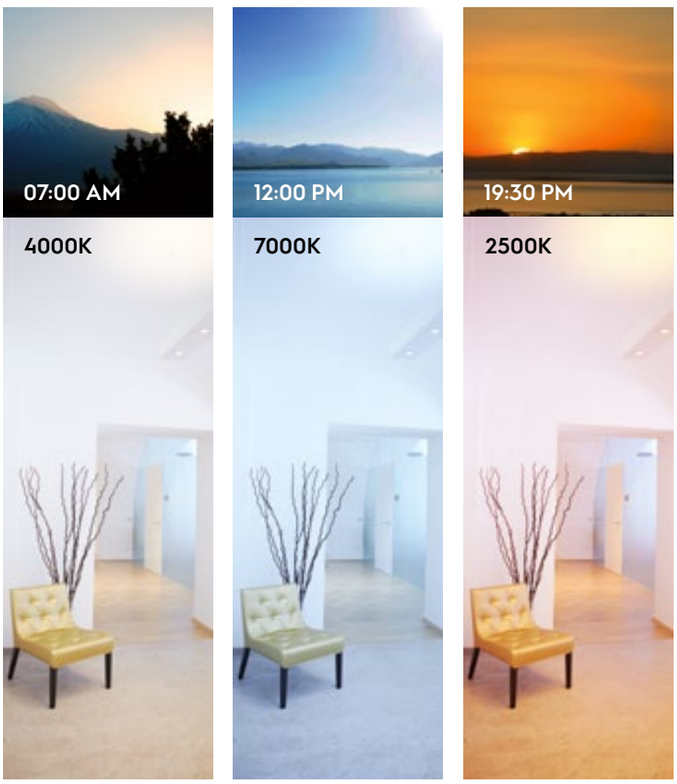
People spend about 8% of their time outdoors.

The other 92% is spent indoors.

## VISUAL APPLICATIONS

At the same time, dynamic lighting solutions can also be used to create new and adjustable room atmospheres. In commercial applications, lighting that is fine-tuned to the specific application can really make a difference – for instance, in stores, showrooms or places of leisure such as hotels, spas or restaurants – if the right light is used at the right time.

## DAYLIGHT




## SPECTRAL CURVES



Sunlight spectrum

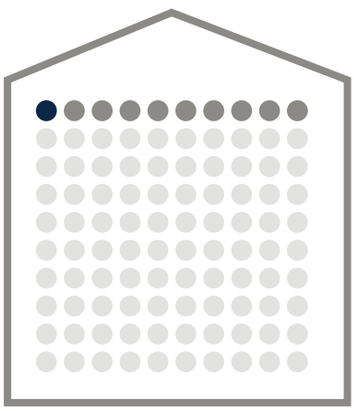


PI-LED spectrum



Standard office lighting spectrum

## TYPICAL OPERATING COSTS



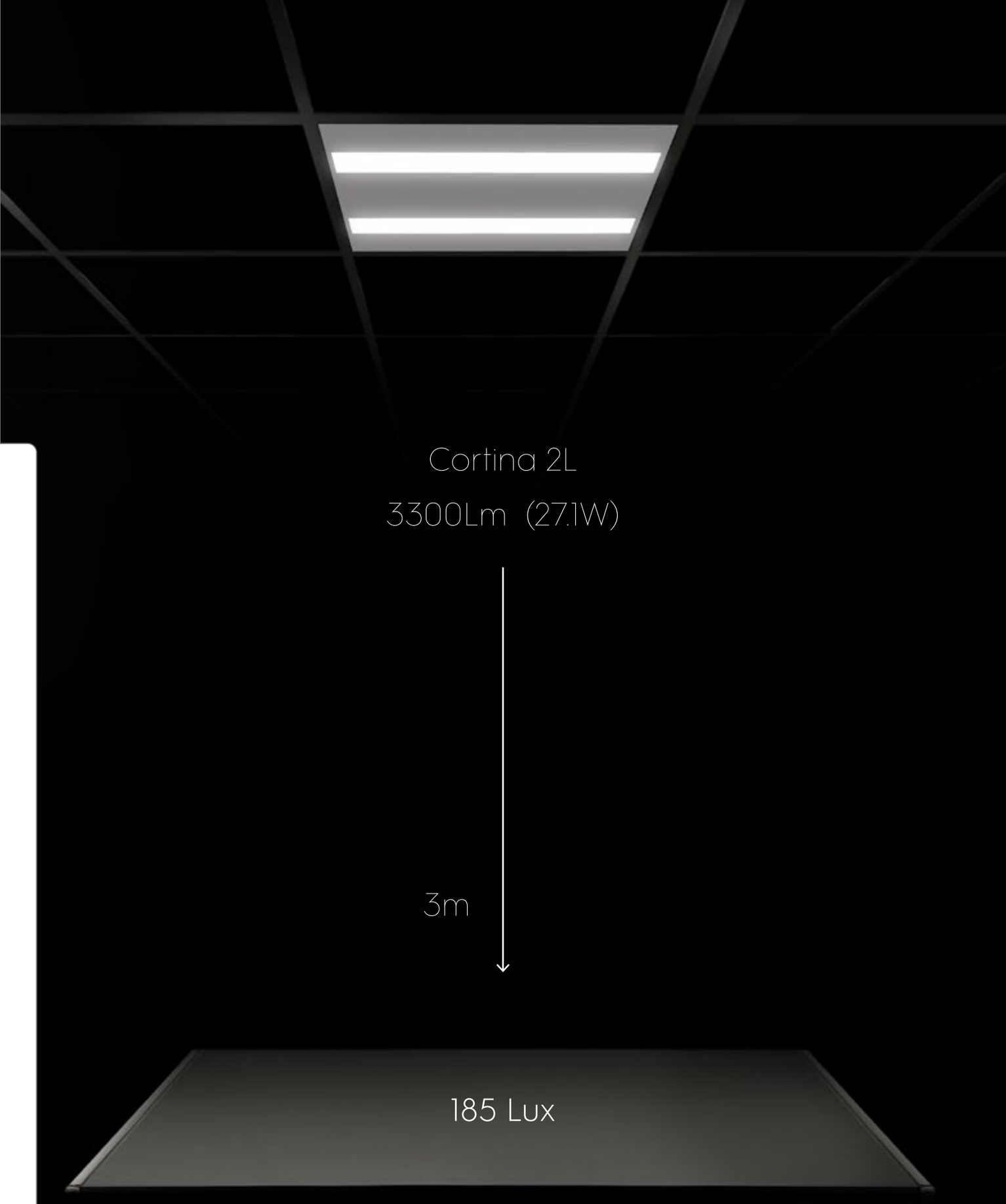
- **1%** Energy costs
- **9%** Rental costs
- **90%** Staff costs in salaries and benefits

## LIGHTING CHARACTERISTICS

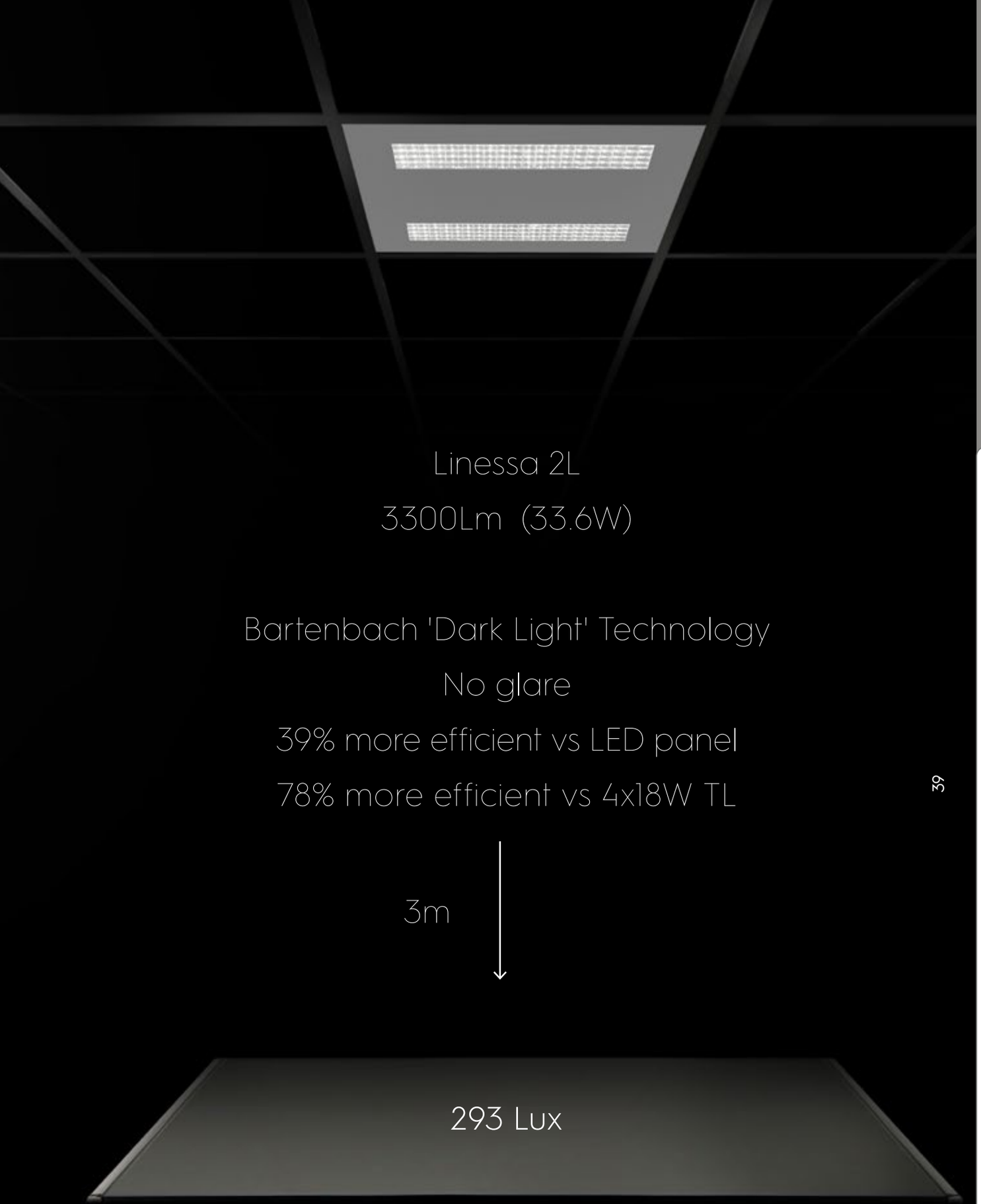



| | Criterion / lighting characteristics* | PI-LED | Warm white |
|---|---|---|---|
| VISUAL | High colour rendering CRI > 90 | ✔ | ~ |
| VISUAL | Highly efficient, up to about 140 lm / W | ✔ | ~ |
| VISUAL | Max. colour consistency thanks to 100% calibration | ✔ | ~ |
| VISUAL | CCT range of 1800 - 16000K on the Planckian curve | ✔ | – |
| EMOTIONAL | Customised lighting moods and colours beyond the Planck curve | ✔ in the PI-LED triangle | – |
| BIOLOGICAL | Individually adjustable blue content | ✔ | – |
| BIOLOGICAL | Range of the melanopic action factor | 0.2 to > 1 | 0.3-0.8 |

✔ yes ~ possible – no




| CAC3 Cortina 2L CRI95 | UGR | 3.00 m | Lx/W |
|---|---|---|---|
| 700mA 3300Lm (27.1W) | 18.5 | 185 Lx | 6,8 |
| 1050mA 4650Lm (41.8W) | 19.8 | 261 Lx | 6.2 |



Linessa 2L

3300Lm (33.6W)

Bartenbach 'Dark Light' Technology

No glare

39% more efficient vs LED panel

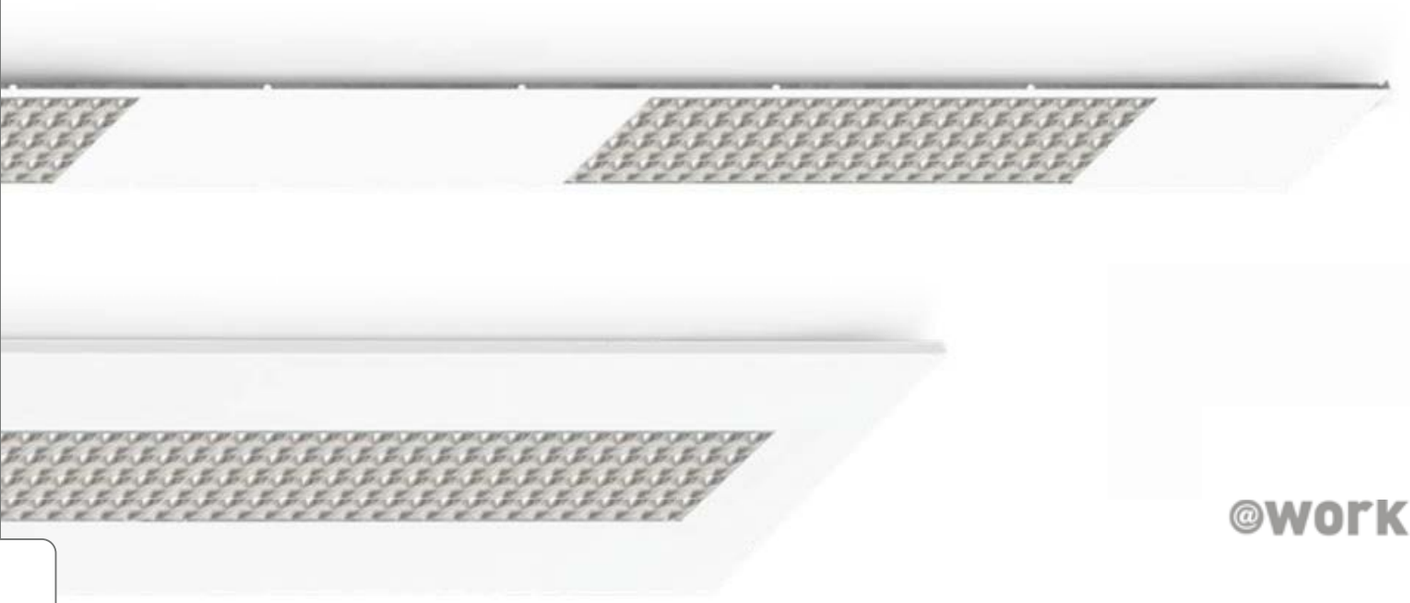
78% more efficient vs 4x18W TL

3m

293 Lux



| 3DC3 Linessa 2L CRI82 | UGR | 3.00 m | Lx/W |
|---|---|---|---|
| 700mA 3300Lm (33.6W) | 13.8 | 293 Lx | 8,7 |
| 1050mA 6500Lm (51.0W) | 14.9 | 419 Lx | 8,2 |



@work

LINESSA

# Linessa

## Excellent office lighting

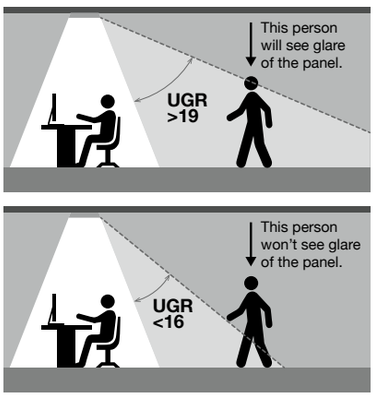
### SUSTAINABILITY

Less is more. Or, in the case of Linessa, making technical innovation affordable through clever product design. The end result is a lighting panel with only 7 parts and no glue, screws, or tape. Linessa has a very minimalist design. At the end of life, it is very easy to disassemble the product or replace the LED module. In this scenario, we minimise material waste, keeping it as low as possible. Compare this to hazardous fluorescent lamps that need to be replaced frequently.



### BARTENBACH DARKLIGHT TECHNOLOGY - UGR11

Normal diffuser panels distribute light in all directions, creating significant glare. The Bartenbach Institute helped us develop special reflector cups that ensure all the light is reflected as you need it. Less glare in an office means fewer mistakes, fewer headaches and greater well-being for your employees. Each Aviora Reflector has 920 different facets for optimal beam control.




### BEST IN CLASS LUX/WATT

The ideal lighting level for an office desk is approximately 500 lux. The Linessa series can achieve this brightness while using less energy. When compared to a standard diffuser LED panel that consumes 25-40W, it offers energy savings of 25-40%. Additionally, when compared to a 4x18W fluorescent luminaire that uses 84W, the Linessa series saves an impressive 78%.

### NO MULTI SHADOWS

As soon as you try to focus light onto an object with multiple reflectors there will be an annoying multi shadow effect. By using 10 times more reflector cups than normal this effect will disappear.

### BESPOKE VERSIONS

The metal plate can be easily changed to different dimensions. It is even possible to integrate a sensor into the plate or air sleeves for ventilation.

### LESS LIGHT PRESSURE

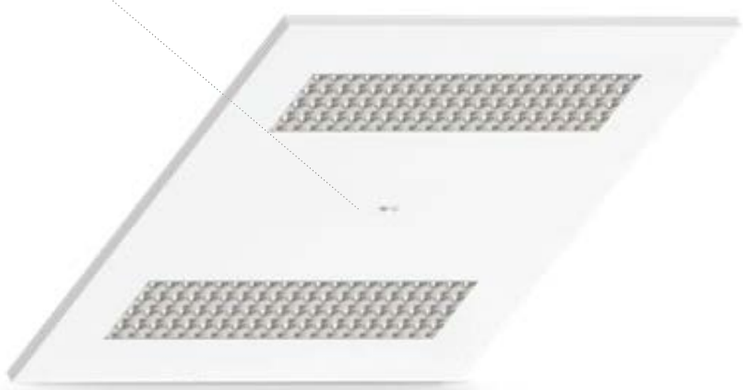
Existing LED reflector technology panels have low glare, but are uncomfortable to work under. By adding more reflector cups, we achieved the best comfort available on any LED panel on the market. The pressure from the LEDs is divided by an enormous number of LEDs.





Linessa 2L 595x595 with integrated Helvar ActiveAhead sensor available through MIYO.

Helvar



## Features and benefits

- Application of Bartenbach's special Dark Light Technology with ultra-low UGR rating.
- Ideal for office applications
- Extremely low wattage for the necessary lux level

# TCI

## Reliable compact driver range

### MULTI CURRENT OPTION

By manually changing the DIP-switch settings on the driver, it is possible to lower the current to the LEDs. This can be used to extend the system's lifespan or when the light is too bright.

### VIDEO/PHOTO PROOF

Lighting with a low flicker index is essential in areas where photo and film cameras are used. Flickering light has a negative effect on the quality of pictures and film footage.

### POWER SURGE PROTECTION

Most TCI drivers are protected against power surges of up to 4 kV. This is considerably above the 1 kV norm. Many LEDs are protected up to 500V. The surge protection in TCI drivers results in an extremely low defect percentage of 0.2%.

### SAFETY AND SECURITY

- Protected against power surges in the electricity network
- Protected against extreme heat
- Protected against overload

### RIPPLE FREE

TCI LED drivers are fitted with a multi-stage circuit to provide the LEDs with a perfect current (pure direct current). Low-quality drivers with a high ripple factor can cause health problems including headache, eye strain, impaired vision or, in extreme cases, even epileptic seizure.



# Main power supply units



## Features and benefits

- Surge protection up to 4 kV
- Various dimming options (1-10V & Push, DALI, Triac, Casambi)
- Multiple currents through DIP-switch settings
- Low operating temperature
- Maximum heat-sink temperature remains below 70°C
- Can be connected to a central battery system 220-240V DC
- Manufactured in Europe
- ENEC/EMC compliant
- Strain relief in accordance with European safety standards
- Active power-factor correction
- Highest-quality (A-brand) electronic components

CASAMBI



# eldoLED

## Used by high-end lighting designers

### HYBRID DIMMING

eldoLED uses a technology called Hybrid Hydra Drive, an advanced hybrid dimming that varies the LED current, duty cycle, and frequency over a small current range. This offers the best dimming regulation at deep dimming levels, high-frequency operation (mixing frequencies between 1KHz and 20KHz), low noise generation, reduced colour shift during dimming, and no flicker.

### LIGHTSHAPE COLOUR SCIENCE

eldoLED LightShape technology removes the complexity of dynamic white lighting, enabling it with standard controls, drivers, and LED modules. LightShape lets you set up a smart relationship between the control input and LED outputs, enabling lighting applications such as “Dim to Warm” and “Tunable White” using standard controls.

### WIRELESS TUNABLE WHITE CONTROL

eldoLED offers wireless lighting controls and Bluetooth low energy beaconing from a compact radio. eldoLED’s BLE radio’s LEDcode2 connection allows for easy, two wire digital integration with most eldoLED drivers. Combined with a digital luminaire system this provides the perfect combination of drive technology and wireless control.

### APPLICATIONS WHERE FLICKER CAN BE AN ISSUE



Offices



Industrial spaces



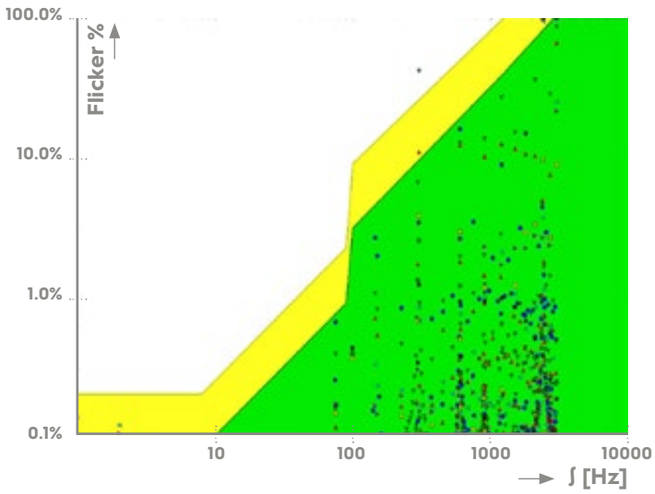
Hospitals



Classrooms

### EXTREMELY LOW FLICKER

eldoLED believes the IEEE P1789 standard and the associated diagram are great tools for comparing drivers based on flicker. We suggest the following for the specification of LED drivers, which is considered the recommended practice: “LED drivers shall conform to IEEE-P1789 standards. Systems that do not meet IEEE-P1789 will not be considered.”

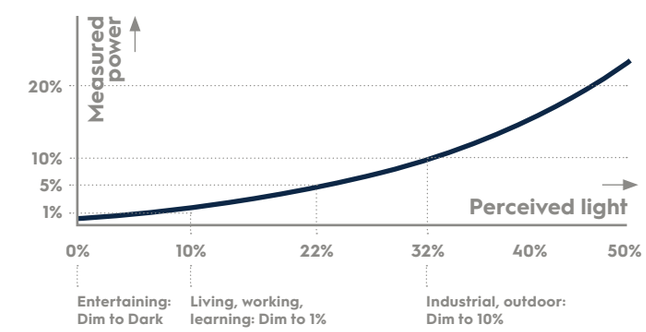



### SMOOTH DEEP DIMMING

To closely mimic what we perceive as Natural Dimming, high-quality LED lighting should:

- Be able to dim to dark
- Have no flicker* even when increasing or decreasing brightness
- Allow smooth changes in brightness
- Have adaptable dimming curves
- Allow you to set a minimum dimming level
- Feature dynamic behaviour

**eldoLED follows the recommended practice brought forward by the IEEE-1789 to mitigate flicker-induced health risks to viewers.*



# Installation: Springs



Illuxtron downlights can be assembled using different kinds of springs. The three different versions are CS, WS and GS. The datasheet will explain which type of ceiling material can be used with each spring.



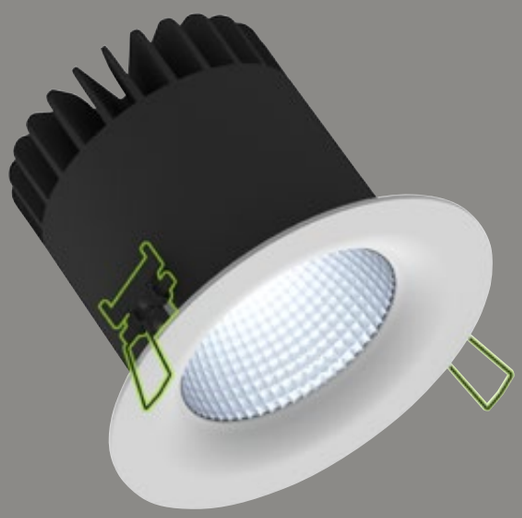
## CS SPRINGS (CONCRETE SPRINGS)

CS springs (excluding the Pointer series) are suitable for almost any type of ceiling. When installing large downlights in soft mineral ceilings, it is essential to use support plates. The slightly bent edge of the spring helps to prevent damage to the ceiling material. We recommend making the hole in the ceiling 10 mm wider than the specified cutout diameter, as long as this doesn't exceed the maximum diameter.



## WS SPRINGS (WIRE SPRINGS)

WS springs are traditional springs that are well-suited for soft ceiling tiles when used with support plates (which cannot be removed from the ceiling). WS springs are not suitable for concrete ceilings and soft ceiling tiles without support plates.



## GS SPRINGS (GYPROC SPRINGS)

GS springs are designed for easy installation in hard ceiling tiles without the need for support plates. Typically, GS springs are included only with larger Linea luminaires. Turning the luminaire counterclockwise secures it more firmly in the tile.



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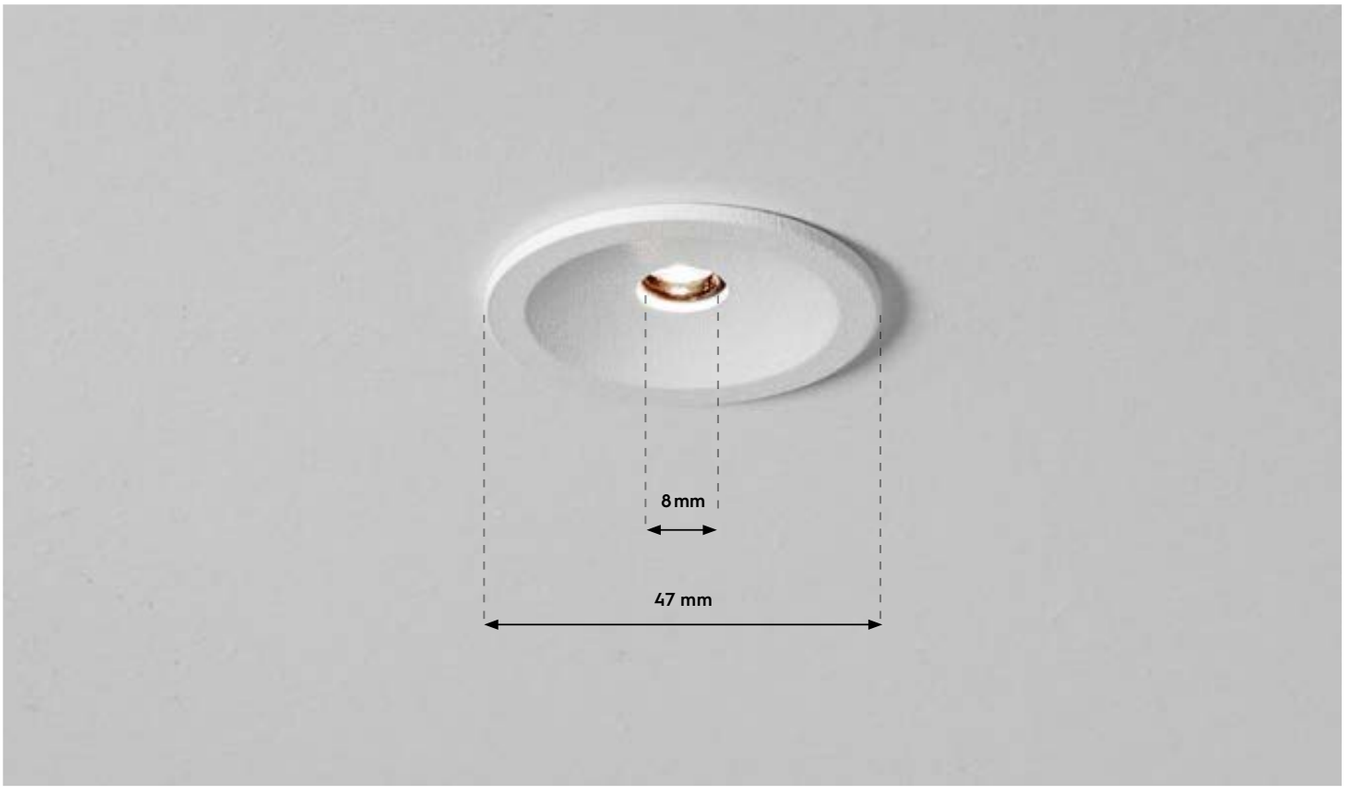

PLVS VLTRA

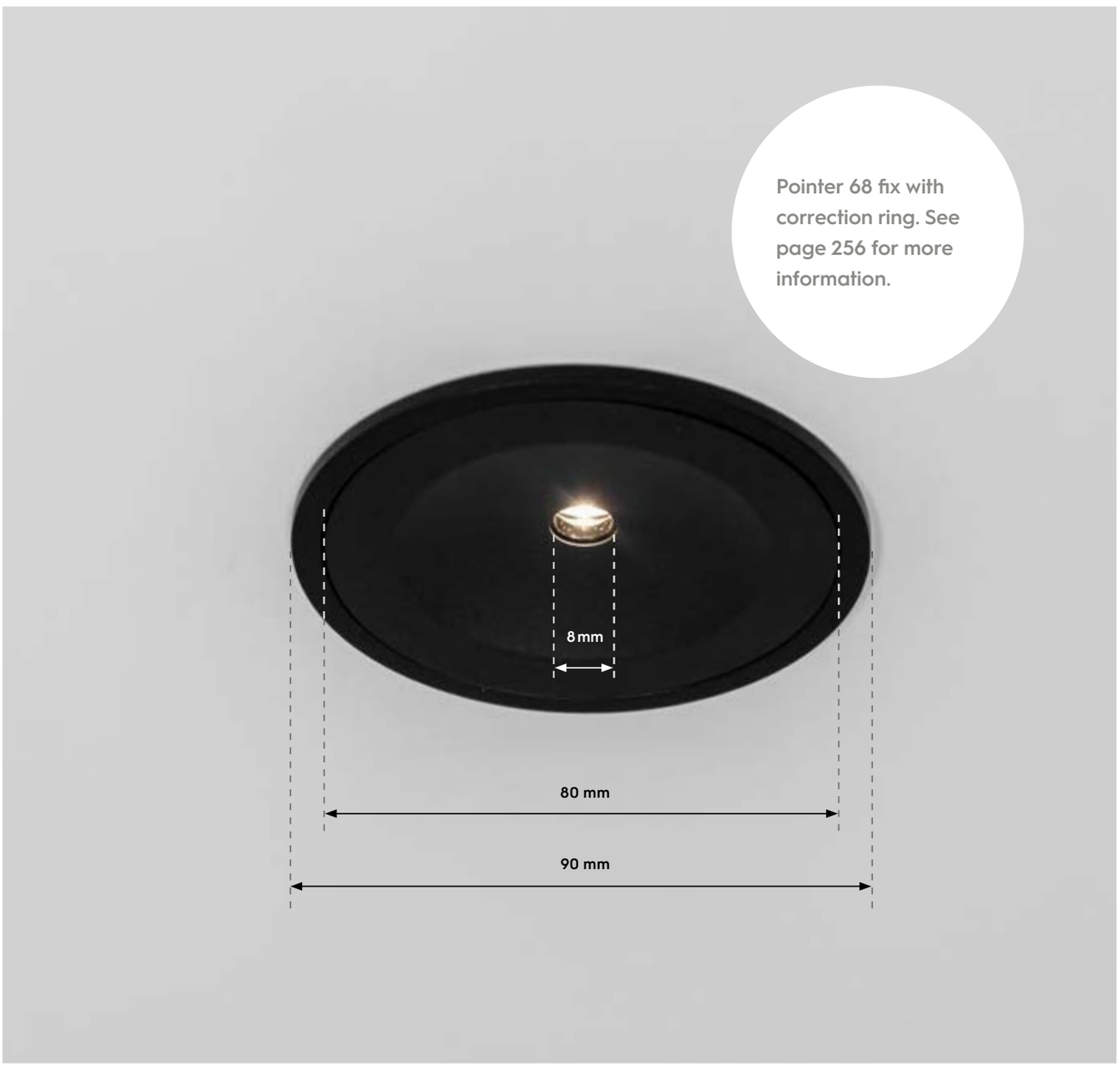


**THE NEW SIGNATURE IN ARCHITECTURAL LIGHTING**

Let's say you walk into a room that is perfectly lit, but you don't see any light points. That is the new signature in architectural lighting, and it starts with the Illuxtron Pointer Series. The range has unique lenses with zero glare. The light emitting surface is only 8mm in diameter, but still produces between 350 and 650 Lm. This allows for a nearly invisible light experience that gives architects and lighting designers a possibility to present a room as they have never been able to before. All the attention goes to the room, not to the glare. Recently a new version has been added with better colour reproduction.

# Pointer




Pointer 68 fix with correction ring. See page 256 for more information.





Highlighting every element of your design with precision



No dim, Triac & Dali Power Supply

35°/60°
2700/3000/4000K

See page 22

New! CRI93

Bartenbach lighting optics

**Pointer 40**



ø 47 mm

**Pointer 68 fix**



ø 80 mm

**Pointer Spot 68 adj**



ø 80 mm

**Pointer Spot 75**



ø 40 mm

## COLOURS (Pointer 40, 68 fix & Spot 68 adj)



**Matt white**
RAL 9016 (XX=MW)

**Matt black**
RAL 9005 (XX=BL)

## SPRINGS



Pointer 40, [illegible] and Pointer Spot 68 adj standard with WS springs (gyproc/metal). Also available as above with CS springs (concrete). Pointer 75 standard with CS springs (concrete). Also available as above with WS springs (gyproc/metal).

## COLOURS (front ring Pointer Spot 75)



Gold · Silver · Black · White · Beige · Bronze · Green

See all Pointer colour options (XX) on page 66-67.

# **Pointer** (Recessed)

## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 35° (45° FWTM) / 60° (80° FWTM) |
| CRI | 93 (CRI82 see datasheet) |
| Fixture material | Housing: Die cast aluminium |
| Environment | Indoor |
| IP rate | IP20 and IP20 / IP44 |
| IK rate | IK10 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

TCI bridgelux eldoLED KGP LUMILEDS

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

*See page 136 for more information about power supplies.

**IP20**

**Pointer 75**
**Pointer Spot 68 adj**

**IP20**
**IP44**

**Pointer 40 / Pointer 68 fix:**
Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

## POINTER 40

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer 40 LV 35° 225Lm 2700K Triac dim | 0N3W03XXWN13 | 100-240V | 6,6 | 34 | 93 | 5.9 | 0.96 | II |
| Pointer 40 LV 35° 250Lm 3000K Triac dim | 0N3W03XXWP13 | 100-240V | 6,6 | 38 | 93 | 6.2 | 0.96 | II |
| Pointer 40 LV 35° 275Lm 4000K Triac dim | 0N3W03XXWQ13 | 100-240V | 6,6 | 42 | 93 | 6.6 | 0.96 | II |
| Pointer 40 LV 60° 375Lm 2700K Triac dim | 0N3W03XXWR13 | 100-240V | 6,6 | 57 | 93 | 17.6 | 0.96 | II |
| Pointer 40 LV 60° 400Lm 3000K Triac dim | 0N3W03XXWS13 | 100-240V | 6,6 | 61 | 93 | 17.8 | 0.96 | II |
| Pointer 40 LV 60° 425Lm 4000K Triac dim | 0N3W03XXWT13 | 100-240V | 6,6 | 64 | 93 | 18.0 | 0.96 | II |

## POINTER 68 FIX

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer 68 fix LV 35° 325Lm 2700K Dali | 0P3X03XXW013 | 220-240V | 9,4 | 35 | 93 | 5.7 | 0.95 | II |
| Pointer 68 fix LV 35° 350Lm 3000K Dali | 0P3X03XXW113 | 220-240V | 9,4 | 37 | 93 | 5.9 | 0.95 | II |
| Pointer 68 fix LV 35° 375Lm 4000K Dali | 0P3X03XXW213 | 220-240V | 9,4 | 40 | 93 | 6.2 | 0.95 | II |
| Pointer 68 fix LV 60° 475Lm 2700K Dali | 0P3X03XXW313 | 220-240V | 9,4 | 51 | 93 | 16.9 | 0.95 | II |
| Pointer 68 fix LV 60° 525Lm 3000K Dali | 0P3X03XXW413 | 220-240V | 9,4 | 56 | 93 | 17.3 | 0.95 | II |
| Pointer 68 fix LV 60° 575Lm 4000K Dali | 0P3X03XXW513 | 220-240V | 9,4 | 61 | 93 | 17.6 | 0.95 | II |

## POINTER SPOT 68 ADJ

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot 68 adj LV 35° 225Lm 2700K Dali | 0Q3W03XXW013 | 220-240V | 6,6 | 34 | 93 | 4.4 | 0.6 | II |
| Pointer Spot 68 adj LV 35° 250Lm 3000K Dali | 0Q3W03XXW113 | 220-240V | 6,6 | 38 | 93 | 4.8 | 0.6 | II |
| Pointer Spot 68 adj LV 35° 275Lm 4000KDali | 0Q3W03XXW213 | 220-240V | 6,6 | 42 | 93 | 5.1 | 0.6 | II |
| Pointer Spot 68 adj LV 60° 375Lm 2700K Dali | 0Q3W03XXW313 | 220-240V | 6,6 | 57 | 93 | 16.1 | 0.6 | II |
| Pointer Spot 68 adj LV 60° 400Lm 3000K Dali | 0Q3W03XXW413 | 220-240V | 6,6 | 61 | 93 | 16.4 | 0.6 | II |
| Pointer Spot 68 adj LV 60° 425Lm 4000K Dali | 0Q3W03XXW513 | 220-240V | 6,6 | 64 | 93 | 16.6 | 0.6 | II |

## POINTER SPOT 75

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot 75 LV 35° 325Lm 2700K Dali | 0T3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | 0.95 | II |
| Pointer Spot 75 LV 35° 350Lm 3000K Dali | 0T3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | 0.95 | II |
| Pointer Spot 75 LV 35° 375Lm 4000KDali | 0T3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | 0.95 | II |
| Pointer Spot 75 LV 60° 475Lm 2700K Dali | 0T3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | 0.95 | II |
| Pointer Spot 75 LV 60° 525Lm 3000K Dali | 0T3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | 0.95 | II |
| Pointer Spot 75 LV 60° 575Lm 4000K Dali | 0T3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | 0.95 | II |

Versions also available as LVC and with No dim, Triac, 1-10V & Push. Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).


With
USB-C
port




Extremely flat drivers
are integrated in
the base of the
luminaire



## REDUCED GLARE (<UGR10)

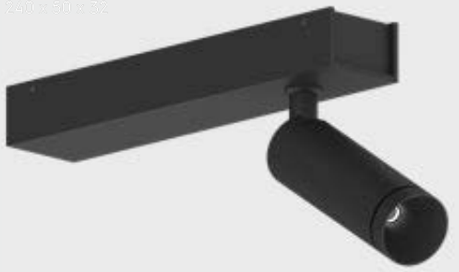
To reduce glare, the Pointer Spot's small light hole is recessed as far into the long tube as possible. Ideal for situations when multiple rail spots are used to illuminate the entire room.

Bartenbach
lighting optics

New!
CRI93

Bartenbach
lighting optics

Pointer Spot SM 1L
240 x 50 x 32



Pointer Spot SM 2L
315 x 50 x 32







Pointer Spot WL
205 x 50 x 32

Pointer Spot
Pendant SM

**COLOURS** See page 66-67 for more info.



Matt white RAL 9016



Matt black RAL 9005

**COLOURS** (Front ring)



Gold Silver Black White Beige Bronze Green

See all Pointer colour options (XX) on page 66-67.

# **Pointer Spot** (Surface mounted)



## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 35° (45° FWTM) / 60° (80° FWTM) |
| CRI | 93 (CRI82 see datasheet) |
| Fixture material | Housing: Die cast aluminium |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK10 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

IP20

Pointer 75
Pointer Spot 68 adj

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

TCI bhc bridgelux KGP LUMILEDS

## POINTER SPOT SM 1L

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot SM 1L LV 35° 325Lm 2700K Dali | 0R3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | 0.95 | II |
| Pointer Spot SM 1L LV 35° 350Lm 3000K Dali | 0R3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | 0.95 | II |
| Pointer Spot SM 1L LV 35° 375Lm 4000KDali | 0R3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | 0.95 | II |
| Pointer Spot SM 1L LV 60° 475Lm 2700K Dali | 0R3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | 0.95 | II |
| Pointer Spot SM 1L LV 60° 525Lm 3000K Dali | 0R3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | 0.95 | II |
| Pointer Spot SM 1L LV 60° 575Lm 4000K Dali | 0R3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | 0.95 | II |

## POINTER SPOT SM 2L

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot SM 2L LV 35° 325Lm 2700K Dali | 0S3W03XXL002 | 220-240V | 18,8 | 35 | 93 | 8.3 | 0.95 | II |
| Pointer Spot SM 2L LV 35° 350Lm 3000K Dali | 0S3W03XXL102 | 220-240V | 18,8 | 37 | 93 | 8.5 | 0.95 | II |
| Pointer Spot SM 2L LV 35° 375Lm 4000KDali | 0S3W03XXL202 | 220-240V | 18,8 | 40 | 93 | 8.8 | 0.95 | II |
| Pointer Spot SM 2L LV 60° 475Lm 2700K Dali | 0S3W03XXL302 | 220-240V | 18,8 | 51 | 93 | 19.5 | 0.95 | II |
| Pointer Spot SM 2L LV 60° 525Lm 3000K Dali | 0S3W03XXL402 | 220-240V | 18,8 | 56 | 93 | 19.9 | 0.95 | II |
| Pointer Spot SM 2L LV 60° 575Lm 4000K Dali | 0S3W03XXL502 | 220-240V | 18,8 | 61 | 93 | 20,2 | 0.95 | II |

## POINTER SPOT PENDANT SM

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot Pendant SM LV 35° 325Lm 2700K Dali | 0X3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | 0.6 | II |
| Pointer Spot Pendant SM LV 35° 350Lm 3000K Dali | 0X3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | 0.6 | II |
| Pointer Spot Pendant SM LV 35° 375Lm 4000K Dali | 0X3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | 0.6 | II |
| Pointer Spot Pendant SM LV 60° 475Lm 2700K Dali | 0X3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | 0.6 | II |
| Pointer Spot Pendant SM LV 60° 525Lm 3000K Dali | 0X3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | 0.6 | II |
| Pointer Spot Pendant SM LV 60° 575Lm 4000K Dali | 0X3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | 0.6 | II |

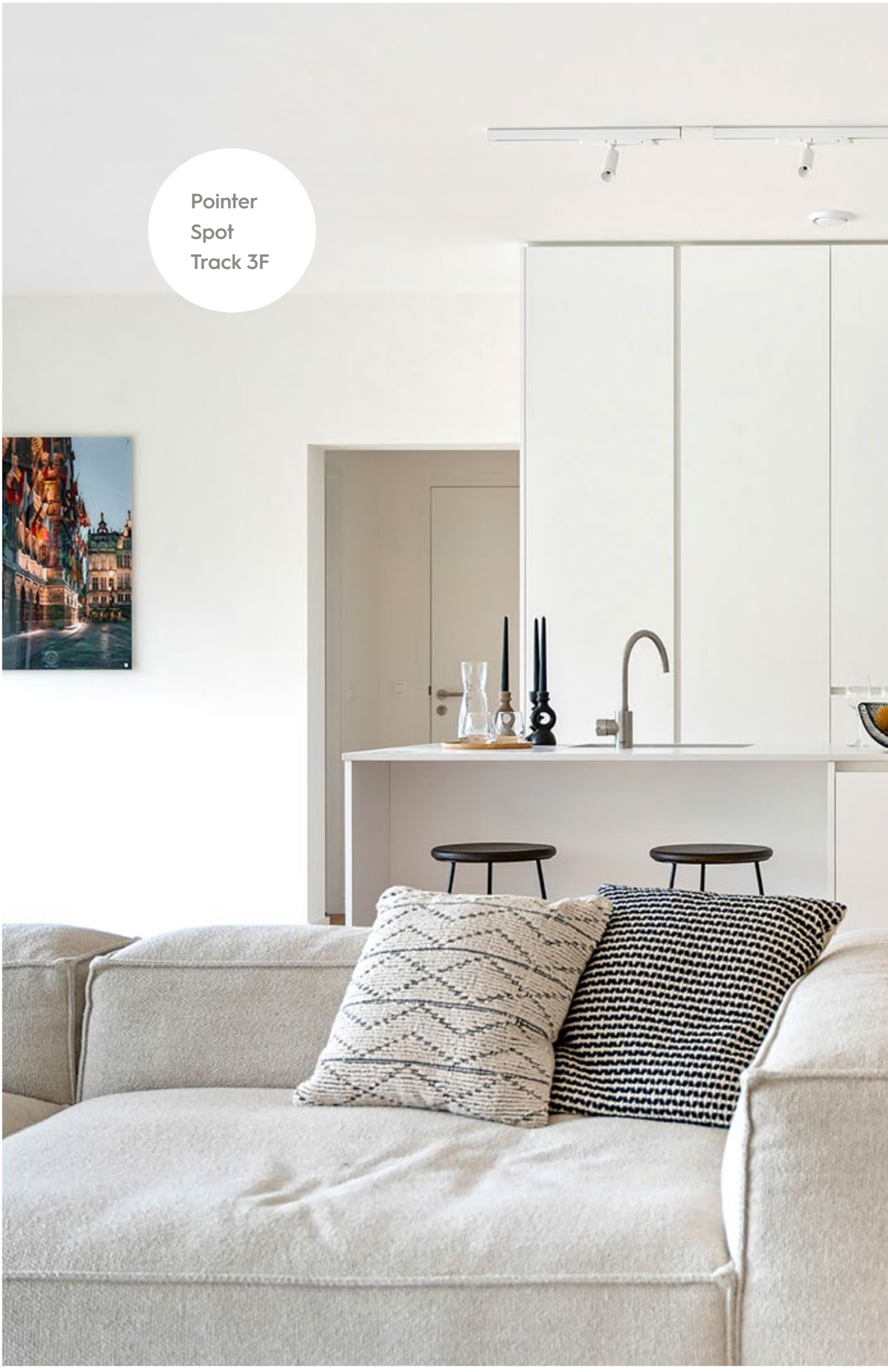
## POINTER SPOT WL

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot WL LV 35° 75 Lm 2700K No dim | 0W3W03XXLU02 | 220-240V | 3,3 | 23 | 93 | 3.2 | 0.95 | II |
| Pointer Spot WL LV 35° 100 Lm 3000K No dim | 0W3W03XXLV02 | 220-240V | 3,3 | 30 | 93 | 4.2 | 0.95 | II |
| Pointer Spot WL LV 35° 125 Lm 4000K No dim | 0W3W03XXLW02 | 220-240V | 3,3 | 38 | 93 | 4.9 | 0.95 | II |
| Pointer Spot WL LV 60° 125 Lm 2700K No dim | 0W3W03XXLX02 | 220-240V | 3,3 | 38 | 93 | 14.9 | 0.95 | II |
| Pointer Spot WL LV 60° 150 Lm 3000K No dim | 0W3W03XXLY02 | 220-240V | 3,3 | 46 | 93 | 15.5 | 0.95 | II |
| Pointer Spot WL LV 60° 175 Lm 4000K No dim | 0W3W03XXLZ02 | 220-240V | 3,3 | 53 | 93 | 16.1 | 0.95 | II |

LV versions also available with No dim, Triac dim. Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).


Pointer
Spot
Pendant


Pointer
Spot
Track 3F

New!
CRI93

Bartenbach
lighting optics




## POINTER SPOT OPTIONS



**Pointer Spot Pendant 3F**



**Pointer Spot Pendant 48V**



**Pointer Spot Track 3F**



**Pointer Spot Track 48V**

## **COLOURS** (Front ring)



Gold Silver Black White Beige Bronze Green

See all Pointer colour options (XX) on page 66-67.

# Pointer Spot (Tracks)

## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 35° (45° FWTM) / 60° (80° FWTM) |
| CRI | 93 (CRI82 see datasheet) |
| Fixture material | Housing: Die cast aluminium |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK10 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## TRACKS 230V & 48V

On request! Ask our sales department about the possibilities.



IP20 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

TCI | bhc | LUMILEDS | bridgelux. | KGP

## POINTER SPOT PENDANT 3F

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot Pendant 3F LV 35° 325Lm 2700K Dali | 0Y3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | 0.95 | II |
| Pointer Spot Pendant 3F LV 35° 350Lm 3000K Dali | 0Y3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | 0.95 | II |
| Pointer Spot Pendant 3F LV 35° 375Lm 4000K Dali | 0Y3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | 0.95 | II |
| Pointer Spot Pendant 3F LV 60° 475Lm 2700K Dali | 0Y3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | 0.95 | II |
| Pointer Spot Pendant 3F LV 60° 525Lm 3000K Dali | 0Y3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | 0.95 | II |
| Pointer Spot Pendant 3F LV 60° 575Lm 4000K Dali | 0Y3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | 0.95 | II |

## POINTER SPOT PENDANT 48V

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot Pendant 48V LV 35° 325Lm 2700K Dali | 0Z3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | x | III |
| Pointer Spot Pendant 48V LV 35° 350Lm 3000K Dali | 0Z3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | x | III |
| Pointer Spot Pendant 48V LV 35° 375Lm 4000K Dali | 0Z3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | x | III |
| Pointer Spot Pendant 48V LV 60° 475Lm 2700K Dali | 0Z3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | x | III |
| Pointer Spot Pendant 48V LV 60° 525Lm 3000K Dali | 0Z3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | x | III |
| Pointer Spot Pendant 48V LV 60° 575Lm 4000K Dali | 0Z3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | x | III |

## POINTER SPOT TRACK 3F

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot Track 3F LV 35° 325Lm 2700K Dali | 0U3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | 0.95 | II |
| Pointer Spot Track 3F LV 35° 350Lm 3000K Dali | 0U3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | 0.95 | II |
| Pointer Spot Track 3F LV 35° 375Lm 4000K Dali | 0U3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | 0.95 | II |
| Pointer Spot Track 3F LV 60° 475Lm 2700K Dali | 0U3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | 0.95 | II |
| Pointer Spot Track 3F LV 60° 525Lm 3000K Dali | 0U3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | 0.95 | II |
| Pointer Spot Track 3F LV 60° 575Lm 4000K Dali | 0U3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | 0.95 | II |

## POINTER SPOT TRACK 48V

| Description | Item code | Input | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Pointer Spot Track 48V LV 35° 325Lm 2700K Dali | 0V3W03XXL002 | 220-240V | 9,4 | 35 | 93 | 8.3 | x | III |
| Pointer Spot Track 48V LV 35° 350Lm 3000K Dali | 0V3W03XXL102 | 220-240V | 9,4 | 37 | 93 | 8.5 | x | III |
| Pointer Spot Track 48V LV 35° 375Lm 4000K Dali | 0V3W03XXL202 | 220-240V | 9,4 | 40 | 93 | 8.8 | x | III |
| Pointer Spot Track 48V LV 60° 475Lm 2700K Dali | 0V3W03XXL302 | 220-240V | 9,4 | 51 | 93 | 19.5 | x | III |
| Pointer Spot Track 48V LV 60° 525Lm 3000K Dali | 0V3W03XXL402 | 220-240V | 9,4 | 56 | 93 | 19.9 | x | III |
| Pointer Spot Track 48V LV 60° 575Lm 4000K Dali | 0V3W03XXL502 | 220-240V | 9,4 | 61 | 93 | 20,2 | x | III |

LV versions also available with No dim. Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).

# Colour options

## Pointer Spots
## Standard colours






## Itemcodes

| Housing/ Front ring | Item code | Housing/ Front ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |
| White/Beige | XX=52 | Black/Beige | XX=70 |
| White/Bronze | XX=53 | Black/Bronze | XX=78 |
| White/Green | XX=54 | Black/Green | XX=79 |

**Example**

Itemcode 0T2703XXLU02

Housing Ring

XX = 71



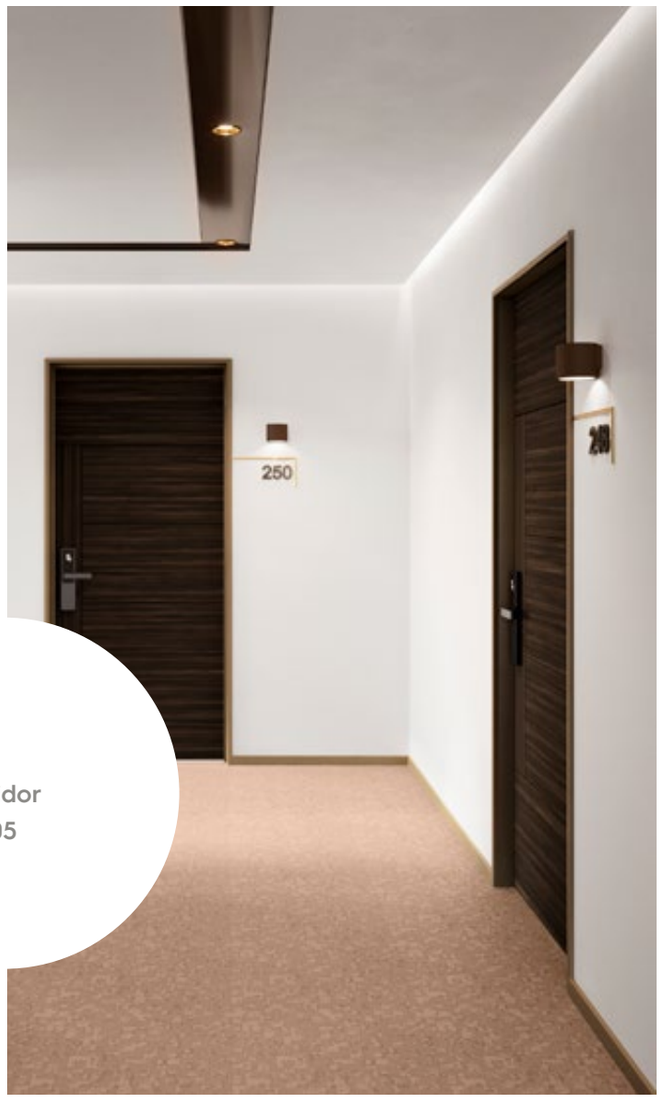

Fido Series
Ceiling lights
Fido CL 105







Custom colours possible




Wall lights
Hotel corridor
Fido WL 105




## BEAM ANGLE



**Reflector**
HV-FD: 40°



**Diffuser**
HV-FD: 80°

## FIDO WL 105



Also available as a wall light Fido WL 105.

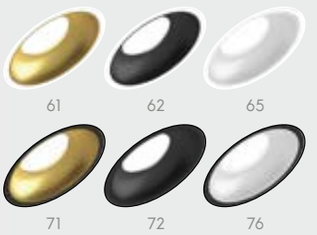
## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016

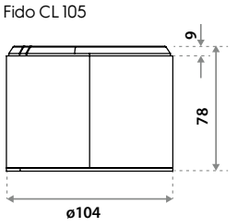



| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

# Fido CL/WL 105

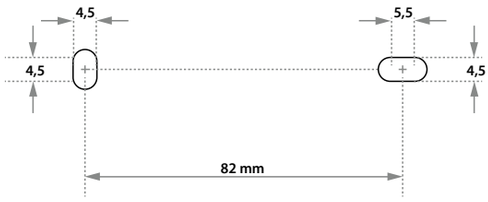
## DIMENSIONS

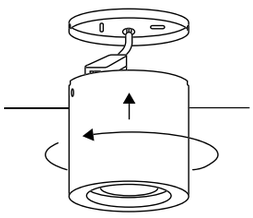
Fido CL 105



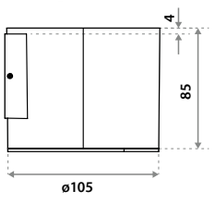

## FIXATION DIMENSIONS

Fido CL 105

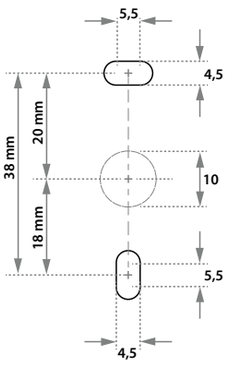


Fido WL 105




Fido WL 105




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 40° / 80° |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

**IP20**

MADE IN HOLLAND

7 YEAR WARRANTY

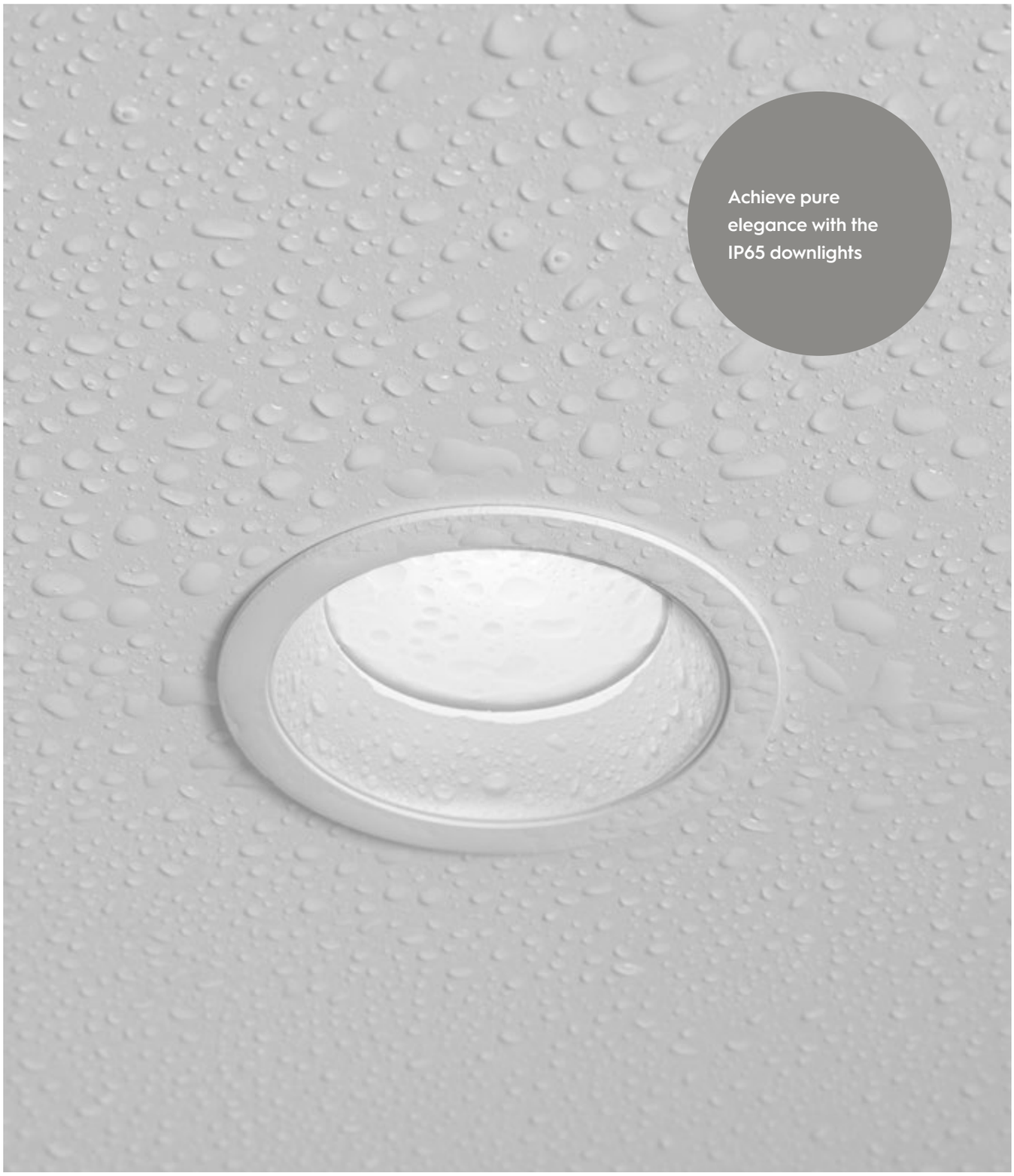
ECO

## ITEM SPECIFICATIONS

| Description | 40° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | |
| Fido CL 105 HV-FD 800Lm 2700K Triac dim | F32A03XX5A02 | 13.7 | F32A03XX5B02 | 24.8 | 10.5 | 76 | 93 | 0.99 | II |
| Fido CL 105 HV-FD 800Lm 3000K Triac dim | F32A03XX5C02 | 13.7 | F32A03XX5D02 | 24.8 | 10.3 | 78 | 93 | 0.99 | II |
| Fido CL 105 HV-FD 800Lm 4000K Triac dim | F32A03XX5E02 | 13.7 | F32A03XX5F02 | 24.8 | 10.1 | 79 | 93 | 0.99 | II |
| Fido CL 105 HV-FD 800Lm 2200-3000K Triac dim | F32A03XX5G02 | 13.7 | F32A03XX5H02 | 24.8 | 10.3 | 78 | 93 | 0.99 | II |
| Fido WL 105 HV-FD 800Lm 2700K Triac dim | F42A03XX5A02 | 13.7 | F42A03XX5B02 | 24.8 | 10.5 | 76 | 93 | 0.99 | II |
| Fido WL 105 HV-FD 800Lm 3000K Triac dim | F42A03XX5C02 | 13.7 | F42A03XX5D02 | 24.8 | 10.3 | 78 | 93 | 0.99 | II |
| Fido WL 105 HV-FD 800Lm 4000K Triac dim | F42A03XX5E02 | 13.7 | F42A03XX5F02 | 24.8 | 10.1 | 79 | 93 | 0.99 | II |
| Fido WL 105 HV-FD 800Lm 2200-3000K Triac dim | F42A03XX5G02 | 13.7 | F42A03XX5H02 | 24.8 | 10.3 | 78 | 93 | 0.99 | II |

All values are measured at 230V (+/- 7%).




Achieve pure
elegance with the
IP65 downlights







Corridor
Vector CL 235

See page 22

New! CRI93

Bartenbach lighting optics







ø 40 mm

## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016




| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

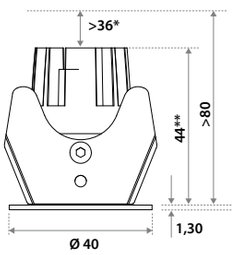
## SPRINGS



Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Strada 35/50

## DIMENSIONS




* This distance is necessary because of the height of the connection box (80 mm). Purely for heat reasons just 5 mm is sufficient.

** For WS springs this dimension is 60 mm

## STRADA 50 ADJ



Also available as adjustable version Strada 50. Check our website and datasheets for more information.

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 40° (65° FWTM) |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

TCI bridgelux LUMILEDS KGP

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

*See page 136 for more information about power supplies.

35 | 5-80 80

**Using CS springs:** Ø 35 mm. Thickness ceiling 5-80 mm & recess depth 80 mm.

36 | 1-50 80

**Using WS springs:** Ø 36 mm. Thickness ceiling 1-50 mm & recess depth 80 mm.

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20 / IP44 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO | UGR <16

## ITEM SPECIFICATIONS

| Description | Item code | Input | Vf | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| **Strada 35 LV 450Lm 2700K No dim** | 853Y03XX0102 | 100-240V | x | 6.6 | 69 | 93 | 14.8 | 0.88 | II |
| **Strada 35 LV 475Lm 3000K No dim** | 853Y03XX7202 | 100-240V | x | 6.6 | 73 | 93 | 15.0 | 0.88 | II |
| **Strada 35 LV 500Lm 4000K No dim** | 853Y03XX0202 | 100-240V | x | 6.6 | 76 | 93 | 15.2 | 0.88 | II |
| **Strada 35 LVC 500mA 450Lm 2700K Dim** | 853Y03XX01E2 | 500mA | 11.4 | 5.7 | 79 | 93 | 14.8 | x | III |
| **Strada 35 LVC 500mA 475Lm 3000K Dim** | 853Y03XX72E2 | 500mA | 11.4 | 5.7 | 83 | 93 | 15.0 | x | III |
| **Strada 35 LVC 500mA 500Lm 4000K Dim** | 853Y03XX02E2 | 500mA | 11.4 | 5.7 | 88 | 93 | 15.2 | x | III |

All values are measured at 230V (+/- 7%).

New!
CRI95




ø 80 mm

## BEAM ANGLE



Reflector
L: [illegible]



Diffuser
L: [illegible]

## SPRINGS

Standard with WS springs (gyproc/metal). No other springs available.

## COLOURS (Deco ring)

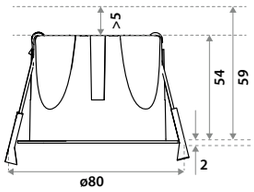


Gold Silver Black White Beige Bronze Green

See all Strada colour options (XX) on page 84-85.

# Strada 68

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | See the item specifications below |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 / IP44 and IP65 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 4.5 | 700 | 725 | 750 | 155 | 161 | 166 |
| Standard | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 |

| CRI97 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 5,0 | 475 | 500 | 525 | 95 | 100 | 105 |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 |
| Standard | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 |

68 | 1-54 60

**Using WS springs:** Ø 68 mm. Thickness ceiling 1-54 mm & recess depth 60 mm.

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20 / IP44 | IP65 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

eldoLED | TE | TCL | bridgelux | CASAMBI | LUMILEDS | KGP | PI-LED

## ITEM SPECIFICATIONS

| Description Strada 68 **IP20/IP44** | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| LV-HE 1350Lm 2700K CRI95 No dim | 85TH03XX9K02 | 23.4 | 85TH03XX9L02 | 24.2 | 85TH03XX9M02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1350Lm 2700K CRI95 Dali | 85TH03XX9B02 | 23.4 | 85TH03XX9E02 | 24.2 | 85TH03XX9H02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 No dim | 85TJ03XX9K02 | 23.5 | 85TJ03XX9L02 | 24.3 | 85TJ03XX9M02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 Dali | 85TJ03XX9B02 | 23.5 | 85TJ03XX9E02 | 24.3 | 85TJ03XX9H02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 No dim | 85TK03XX9K02 | 23.6 | 85TK03XX9L02 | 24.4 | 85TK03XX9M02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 Dali | 85TK03XX9B02 | 23.6 | 85TK03XX9E02 | 24.4 | 85TK03XX9H02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV 1150Lm 2700K CRI97 No dim | 85RH03XX9K02 | 22.8 | 85RH03XX9L02 | 23.7 | 85RH03XX9M02 | 28.1 | 13.8 | 83 | 97 | 0.99 | II |
| LV 1150Lm 2700K CRI97 Dali | 85RH03XX9B02 | 22.8 | 85RH03XX9E02 | 23.7 | 85RH03XX9H02 | 28.1 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 No dim | 85RJ03XX9K02 | 23.1 | 85RJ03XX9L02 | 24.0 | 85RJ03XX9M02 | 28.4 | 13.8 | 91 | 97 | 0.99 | II |
| LV 1250Lm 3000K CRI97 Dali | 85RJ03XX9B02 | 23.1 | 85RJ03XX9E02 | 24.0 | 85RJ03XX9H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 No dim | 85RK03XX9K02 | 23.4 | 85RK03XX9L02 | 24.2 | 85RK03XX9M02 | 28.7 | 13.8 | 98 | 97 | 0.99 | II |
| LV 1350Lm 4000K CRI97 Dali | 85RK03XX9B02 | 23.4 | 85RK03XX9E02 | 24.2 | 85RK03XX9H02 | 28.7 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1250Lm 1800-3000K CRI97 Dali | 85RL03XX9B02 | 23.1 | 85RL03XX9E02 | 24.0 | 85RL03XX9H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| PI-LED 720-820Lm 1800-16000K Dali | x | x | 85RX03XX9E02 | 24.8 | x | x | 12.0 | 68 | >90 | >0.90 | II |

LV versions also available with: Triac dim | Casambi | 1-10V & Push | Check our datasheets, pricelist or website for all available versions

| Description Strada 68 **IP65** | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| LV-HE 1350Lm 2700K CRI95 No dim | 85TL03XX9K02 | 23.4 | 85TL03XX9L02 | 24.2 | 85TL03XX9M02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1350Lm 2700K CRI95 Dali | 85TL03XX9B02 | 23.4 | 85TL03XX9E02 | 24.2 | 85TL03XX9H02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 No dim | 85TM03XX9K02 | 23.5 | 85TM03XX9L02 | 24.3 | 85TM03XX9M02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 Dali | 85TM03XX9B02 | 23.5 | 85TM03XX9E02 | 24.3 | 85TM03XX9H02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 No dim | 85TN03XX9K02 | 23.6 | 85TN03XX9L02 | 24.4 | 85TN03XX9M02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 Dali | 85TN03XX9B02 | 23.6 | 85TN03XX9E02 | 24.4 | 85TN03XX9H02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV 1150Lm 2700K CRI97 No dim | 85RN03XX9K02 | 22.8 | 85RN03XX9L02 | 23.7 | 85RN03XX9M02 | 28.1 | 13.8 | 83 | 97 | 0.93 | II |
| LV 1150Lm 2700K CRI97 Dali | 85RN03XX9B02 | 22.8 | 85RN03XX9E02 | 23.7 | 85RN03XX9H02 | 28.1 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 No dim | 85RP03XX9K02 | 23.1 | 85RP03XX9L02 | 24.0 | 85RP03XX9M02 | 28.4 | 13.8 | 91 | 97 | 0.93 | II |
| LV 1250Lm 3000K CRI97 Dali | 85RP03XX9B02 | 23.1 | 85RP03XX9E02 | 24.0 | 85RP03XX9H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 No dim | 85RQ03XX9K02 | 23.4 | 85RQ03XX9L02 | 24.2 | 85RQ03XX9M02 | 28.7 | 13.8 | 98 | 97 | 0.93 | II |
| LV 1350Lm 4000K CRI97 Dali | 85RQ03XX9B02 | 23.4 | 85RQ03XX9E02 | 24.2 | 85RQ03XX9H02 | 28.7 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1250Lm 1800-3000K CRI97 Dali | 85RR03XX9B02 | 23.1 | 85RR03XX9E02 | 24.0 | 85RR03XX9H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |

All values are measured at 230V (+/- 7%). .




ø 81 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°
LV-TW: 60°



**Lens**
HV-FD: 40°



**Diffuser**
HV-FD: 80°
LV: 80°
LV-TW 80°

## STRADA 90 ADJ



Also available as adjustable version Strada 90. Check our website and datasheets for more information.

## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016

## COLOURS (Deco ring)



Gold Silver Black White



Beige Bronze Green

See all Strada colour options (XX) on page 84-85.

## SPRINGS

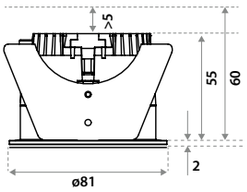


Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Strada 75/90



## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | See the item specifications below |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 / IP44 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 4.5 | 700 | 725 | 750 | 155 | 161 | 166 |
| Standard | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 |

| CRI97 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 5,0 | 475 | 500 | 525 | 95 | 100 | 105 |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 |
| Standard | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 |




**Using CS springs:** Ø 75 mm.
Thickness ceiling 5-60 mm
& recess depth 60 mm.




**Using WS springs:** Ø 77 mm.
Thickness ceiling 1-55 mm
& recess depth 60 mm.

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20
IP44

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

eldoLED bhc TE TCI bridgelux CASAMBI LUMILEDS KGP

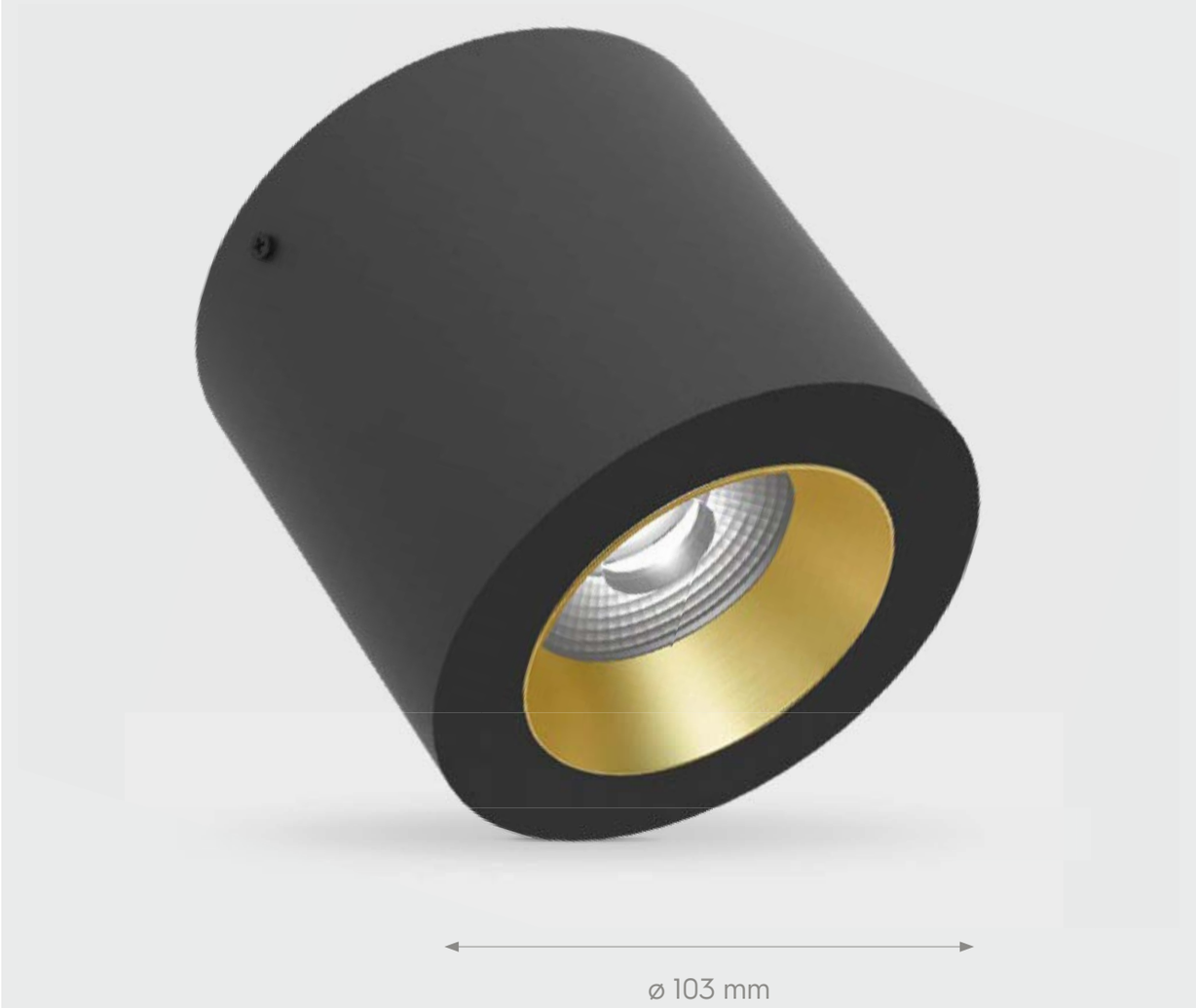
## ITEM SPECIFICATIONS

| Description Strada 75 | 40° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | |
| HV-FD 800Lm 2700K Triac dim | 852A03XX5A02 | 15.7 | 852A03XX5B02 | 26.9 | 10.5 | 76 | 93 | 0.99 | I |
| HV-FD 800Lm 3000K Triac dim | 852A03XX5C02 | 15.7 | 852A03XX5D02 | 26.9 | 10.3 | 78 | 93 | 0.99 | I |
| HV-FD 800Lm 4000K Triac dim | 852A03XX5E02 | 15.7 | 852A03XX5F02 | 26.9 | 10.1 | 79 | 93 | 0.99 | I |
| HV-FD 800Lm 2200-3000K Triac dim | 852A03XX5G02 | 15.7 | 852A03XX5H02 | 26.9 | 10.3 | 78 | 93 | 0.99 | I |

| Description Strada 75 | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| LV-HE 1350Lm 2700K CRI95 No dim | 85SA03XX4K02 | 23.4 | 85SA03XX4L02 | 24.2 | 85SA03XX4M02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1350Lm 2700K CRI95 Dali | 85SA03XX4B02 | 23.4 | 85SA03XX4E02 | 24.2 | 85SA03XX4H02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 No dim | 85SB03XX4K02 | 23.5 | 85SB03XX4L02 | 24.3 | 85SB03XX4M02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1375 Lm 3000K CRI95 Dali | 85SB03XX4B02 | 23.5 | 85SB03XX4E02 | 24.3 | 85SB03XX4H02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 No dim | 85SE03XX4K02 | 23.6 | 85SE03XX4L02 | 24.4 | 85SE03XX4M02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 Dali | 85SE03XX4B02 | 23.6 | 85SE03XX4E02 | 24.4 | 85SE03XX4H02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV 1150Lm 2700K CRI97 No dim | 855A03XX4K02 | 22.8 | 855A03XX4L02 | 23.7 | 855A03XX4M02 | 28.1 | 13.8 | 83 | 97 | 0.99 | II |
| LV 1150Lm 2700K CRI97 Dali | 855A03XX4B02 | 22.8 | 855A03XX4E02 | 23.7 | 855A03XX4H02 | 28.1 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 No dim | 855B03XX4K02 | 23.1 | 855B03XX4L02 | 24.0 | 855B03XX4M02 | 28.4 | 13.8 | 91 | 97 | 0.99 | II |
| LV 1250Lm 3000K CRI97 Dali | 855B03XX4B02 | 23.1 | 855B03XX4E02 | 24.0 | 855B03XX4H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 No dim | 855G03XX4K02 | 23.4 | 855G03XX4L02 | 24.2 | 855G03XX4M02 | 28.7 | 13.8 | 98 | 97 | 0.99 | II |
| LV 1350Lm 4000K CRI97 Dali | 855G03XX4B02 | 23.4 | 855G03XX4E02 | 24.2 | 855G03XX4H02 | 28.7 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1250Lm 1800-3000K CRI97 Dali | 855E03XX4B02 | 23.1 | 855E03XX4E02 | 24.0 | 855E03XX4H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV-TW 1250Lm 2700-6500K CRI93 Dali | - | - | 856A03XX4W02 | 24.0 | 856A03XX4Y02 | 28.4 | 10.6 | 118 | 93 | 0.90 | II |

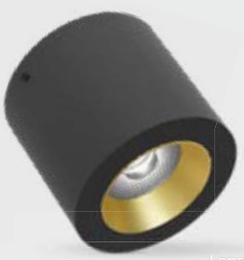
LV versions also available with: Triac dim | Casambi | 1-10V & Push | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%). See datasheets for the HV-FD dimmerlist.



ø 103 mm

## BEAM ANGLE



Lens
HV-FD: 40°

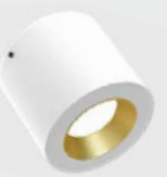


Diffuser
HV-FD: 80°

## COLOURS



Matt black
RAL 9005



Matt white
RAL 9016

## COLOURS (Deco ring)

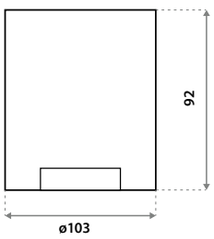


Gold Silver Black White Beige Bronze Green

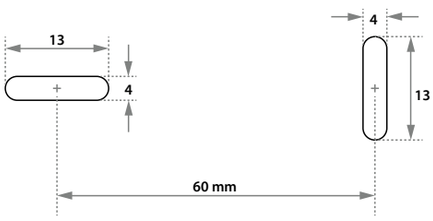
See all Vector 100 colour options (XX) on page 84-85.

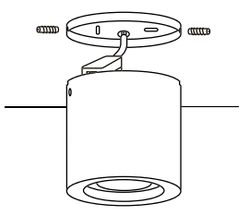
# Vector CL 100

## DIMENSIONS




## FIXATION DIMENSIONS



## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 40° / 80° |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

IP20

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

## ITEM SPECIFICATIONS

| Description | 40° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | |
| Vector CL 100 HV-FD 800Lm 2700K Triac dim | 7B2A03XX5A02 | 15.7 | 7B2A03XX5B02 | 26.9 | 10.5 | 76 | 93 | 0.99 | II |
| Vector CL 100 HV-FD 800Lm 3000K Triac dim | 7B2A03XX5C02 | 15.7 | 7B2A03XX5D02 | 26.9 | 10.3 | 78 | 93 | 0.99 | II |
| Vector CL 100 HV-FD 800Lm 4000K Triac dim | 7B2A03XX5E02 | 15.7 | 7B2A03XX5F02 | 26.9 | 10.1 | 79 | 93 | 0.99 | II |
| Vector CL 100 HV-FD 800Lm 2200-3000K Triac dim | 7B2A03XX5G02 | 15.7 | 7B2A03XX5H02 | 26.9 | 10.3 | 78 | 93 | 0.99 | II |

All values are measured at 230V (+/- 7%).

# Colour options

## Strada / Vector
## Standard colours


















NEW




NEW




NEW

**Example**

Itemcode 85SA03XX4M02

Housing Ring

XX = 71



## Itemcodes

| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |
| White/Beige | XX=52 | Black/Beige | XX=70 |
| White/Bronze | XX=53 | Black/Bronze | XX=78 |
| White/Green | XX=54 | Black/Green | XX=79 |



Strada 68



Strada 75



Vector CL 100



Strada 90

New!
CRI95



ø 108 mm

## BEAM ANGLE



**Reflector**
LV: 18° / 37° / 60°



**Diffuser**
LV: 80°

## STRADA 150



Also available as Strada 150. Check our website and data-sheets for more information.

## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016




| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

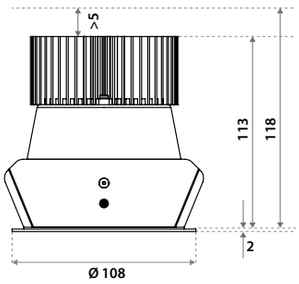
## SPRINGS



Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Strada 100/150

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 250 | 9,4 | 1250 | 1275 | 133 | 136 |
| *Special request* | 350 | 13,3 | 1725 | 1750 | 130 | 132 |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 129 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 |
| *Special request* | 1050 | 44,1 | 4575 | 4850 | 104 | 110 |
| **Standard** | 1200 | 51,3 | 5000 | 5300 | 97 | 103 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 18° / 37° / 60° / 80° |
| **Fixture material** | Die cast aluminium / Glass |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK09 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **CRI** | 95 (CRI82 see pricelist) |
| **Pf** | 0.95 (0.99 No dim 700mA) |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

Ask our sales department about the possibilities for:
- Tuneable white 2700-6500K.

TUNABLE WHITE

100 to 102 | 5-118 118

**Using CS springs:** Ø 100 mm. Thickness ceiling 5-118 mm & recess depth 118 mm. For plasterboard ceilings or similar harder materials thicker than 9 mm.

100 to 102 | 1-55 118

**Using WS springs:** Ø 100 mm. Thickness 1-55 mm & recess depth 118 mm. For soft ceiling tiles. We recommend using a ceiling ring on the reverse side of the tile.

**IP20**
**IP44**

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO | UGR <19

TCI | LUMILEDS | TE | bridgelux | KGP | eldoLED

## ITEM SPECIFICATIONS

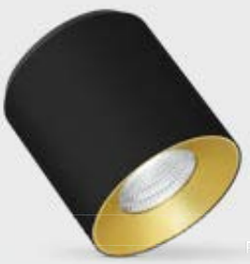
| Description Strada 100 | 18° | | 37° | | 60° | | 80° | | W per lamp | Lm/W | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | Item code | UGR | | | |
| LV-HE 3300Lm 3000K CRI95 No dim | 85R003XXCA02 | 19.1 | 85R003XXCB02 | 18.6 | 85R003XXCC02 | 21.6 | 85R003XXG602 | 29.7 | 28,0 | 118 | II |
| LV-HE 3300Lm 3000K CRI95 1-10V & Push | 85R003XXNA02 | 19.1 | 85R003XXNB02 | 18.6 | 85R003XXNC02 | 21.6 | 85R003XXU602 | 29.7 | 28,0 | 118 | II |
| LV-HE 3300Lm 3000K CRI95 Dali | 85R003XXPA02 | 19.1 | 85R003XXPB02 | 18.6 | 85R003XXPC02 | 21.6 | 85R003XXT602 | 29.7 | 28,0 | 118 | II |
| LV-HE 3500Lm 4000K CRI95 No dim | 85R003XXCD02 | 19.3 | 85R003XXCE02 | 18.8 | 85R003XXCF02 | 21.8 | 85R003XXG802 | 30.0 | 28,0 | 125 | II |
| LV-HE 3500Lm 4000K CRI95 1-10V & Push | 85R003XXND02 | 19.3 | 85R003XXNE02 | 18.8 | 85R003XXNF02 | 21.8 | 85R003XXU802 | 30.0 | 28,0 | 125 | II |
| LV-HE 3500Lm 4000K CRI95 Dali | 85R003XXPD02 | 19.3 | 85R003XXPE02 | 18.8 | 85R003XXPF02 | 21.8 | 85R003XXT802 | 30.0 | 28,0 | 125 | II |
| LV-HE 5000Lm 3000K CRI95 No dim | 85R003XXCR02 | 20.5 | 85R003XXCS02 | 20.0 | 85R003XXCT02 | 23.1 | 85R003XXG702 | 31.2 | 51,3 | 97 | II |
| LV-HE 5000Lm 3000K CRI95 1-10V & Push | 85R003XXNK02 | 20.5 | 85R003XXNL02 | 20.0 | 85R003XXNM02 | 23.1 | 85R003XXU702 | 31.2 | 51,3 | 97 | I |
| LV-HE 5000Lm 3000K CRI95 Dali | 85R003XXPK02 | 20.5 | 85R003XXPL02 | 20.0 | 85R003XXPM02 | 23.1 | 85R003XXT702 | 31.2 | 51,3 | 97 | I |
| LV-HE 5300Lm 4000K CRI95 No dim | 85R003XXCU02 | 20.7 | 85R003XXCV02 | 20.2 | 85R003XXCW02 | 23.3 | 85R003XXG902 | 31.4 | 51,3 | 103 | II |
| LV-HE 5300Lm 4000K CRI95 1-10V & Push | 85R003XXNN02 | 20.7 | 85R003XXNP02 | 20.2 | 85R003XXNQ02 | 23.3 | 85R003XXU902 | 31.4 | 51,3 | 103 | I |
| LV-HE 5300Lm 4000K CRI95 Dali | 85R003XXPN02 | 20.7 | 85R003XXPP02 | 20.2 | 85R003XXPQ02 | 23.3 | 85R003XXT902 | 31.4 | 51,3 | 103 | I |

All values are measured at 230V (+/- 7%).

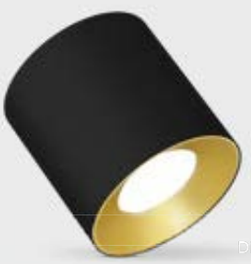



ø 145 mm

## BEAM ANGLE

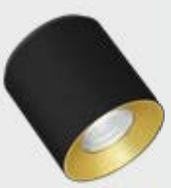


Reflector
LX 13° | 37° | 67°



Diffuser
LX 67°

## COLOURS



Matt black
RAL 9005



Matt white
RAL 9016



61 63 62 65

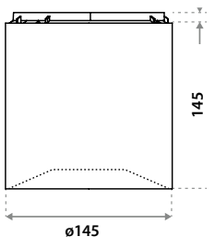


71 74 72 76

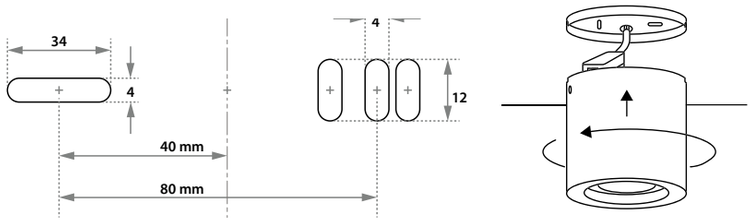
| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

# Vector CL 145

## DIMENSIONS




## FIXATION DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 18° / 37° / 60° / 80° |
| Fixture material | Die cast aluminium / Glass |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK09 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Safety class | II |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 special request | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 |
| *Special request* | 450 | 17.3 | 2350 | 2400 | 2450 | 136 | 139 | 142 |
| Standard | 500 | 19,3 | 2600 | 2625 | 2700 | 134 | 136 | 140 |

| CRI97 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 |
| *Special request* | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 |
| *Special request* | 450 | 18.0 | 1475 | 1600 | 1750 | 82 | 89 | 97 |
| Standard | 500 | 20.1 | 1625 | 1800 | 1925 | 81 | 89 | 96 |

IP20 · MADE IN HOLLAND · 7 YEAR WARRANTY · ECO

TCI · LUMILEDS · TE · bridgelux

## ITEM SPECIFICATIONS

| Description Vector CL 145 | 18° | | 37° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| LV-HE 2600Lm 2700K CRI95 No dim | 7DR903XXDR02 | 13.2 | 7DR903XXDS02 | 13.1 | 7DR903XXDT02 | 16.3 | 7DN903XXY902 | 23.1 | 19.3 | 134 | 95 | 0.95 |
| LV-HE 2600Lm 2700K CRI95 1-10V & Push | 7DR903XXSV02 | 13.2 | 7DR903XXSW02 | 13.1 | 7DR903XXSX02 | 16.3 | 7DN903XXZA02 | 23.1 | 19.3 | 134 | 95 | 0.95 |
| LV-HE 2600Lm 2700K CRI95 Dali | 7DR903XXSY02 | 13.2 | 7DR903XXSZ02 | 13.1 | 7DR903XXS002 | 16.3 | 7DN903XXZB02 | 23.1 | 19.3 | 134 | 95 | 0.95 |
| LV-HE 2625Lm 3000K CRI95 No dim | 7DR903XXCA02 | 13.2 | 7DR903XXCB02 | 13.1 | 7DR903XXCC02 | 16.3 | 7DN903XXYR02 | 23.1 | 19.3 | 136 | 95 | 0.95 |
| LV-HE 2625Lm 3000K CRI95 1-10V & Push | 7DR903XXNA02 | 13.2 | 7DR903XXNB02 | 13.1 | 7DR903XXNC02 | 16.3 | 7DN903XXYH02 | 23.1 | 19.3 | 136 | 95 | 0.95 |
| LV-HE 2625Lm 3000K CRI95 Dali | 7DR903XXPA02 | 13.2 | 7DR903XXPB02 | 13.1 | 7DR903XXPC02 | 16.3 | 7DN903XXYM02 | 23.1 | 19.3 | 136 | 95 | 0.95 |
| LV-HE 2700Lm 4000K CRI95 No dim | 7DR903XXCD02 | 13.3 | 7DR903XXCE02 | 13.2 | 7DR903XXCF02 | 16.4 | 7DN903XXYY02 | 23.2 | 19.3 | 140 | 95 | 0.95 |
| LV-HE 2700Lm 4000K CRI95 1-10V & Push | 7DR903XXND02 | 13.3 | 7DR903XXNE02 | 13.2 | 7DR903XXNF02 | 16.4 | 7DN903XXYU02 | 23.2 | 19.3 | 140 | 95 | 0.95 |
| LV-HE 2700Lm 4000K CRI95 Dali | 7DR903XXPD02 | 13.3 | 7DR903XXPE02 | 13.2 | 7DR903XXPF02 | 16.4 | 7DN903XXYW02 | 23.2 | 19.3 | 140 | 95 | 0.95 |
| LV 1625Lm 2700K CRI97 No dim | 7D1B03XX8J02 | 11.5 | 7D1B03XX8M02 | 11.5 | 7D1B03 XX8Q02 | 14.6 | 7D1B03XX0E02 | 21.4 | 20.1 | 81 | 97 | 0.95 |
| LV 1625Lm 2700K CRI97 1-10V & Push | 7D1B03XXD102 | 11.5 | 7D1B03XXD402 | 11.5 | 7D1B03XXD702 | 14.6 | 7D1B03XX0L02 | 21.4 | 20.1 | 81 | 97 | 0.95 |
| LV 1625Lm 2700K CRI97 Dali | 7D1B03XX1L02 | 11.5 | 7D1B03XX1P02 | 11.5 | 7D1B03XX1S02 | 14.6 | 7D1B03XX0P02 | 21.4 | 20.1 | 81 | 97 | 0.95 |
| LV 1800Lm 3000K CRI97 No dim | 7D1B03XX8K02 | 11.9 | 7D1B03XX8N02 | 11.8 | 7D1B03XX8R02 | 15.8 | 7D1B03XX0F02 | 21.7 | 20.1 | 89 | 97 | 0.95 |
| LV 1800Lm 3000K CRI97 1-10V & Push | 7D1B03XXD202 | 11.9 | 7D1B03XXD502 | 11.8 | 7D1B03XXD802 | 15.8 | 7D1B03XX0M02 | 21.7 | 20.1 | 89 | 97 | 0.95 |
| LV 1800Lm 3000K CRI97 Dali | 7D1B03XX1M02 | 11.9 | 7D1B03XX1Q02 | 11.8 | 7D1B03XX1T02 | 15.8 | 7D1B03XX0Q02 | 21.7 | 20.1 | 89 | 97 | 0.95 |
| LV 1925Lm 4000K CRI97 No dim | 7D1B03XX8L02 | 12.1 | 7D1B03XX8P02 | 12.0 | 7D1B03XX8S02 | 15.2 | 7D1B03XX0G02 | 22.0 | 20.1 | 96 | 97 | 0.95 |
| LV 1925Lm 4000K CRI97 1-10V & Push | 7D1B03XXD302 | 12.1 | 7D1B03XXD602 | 12.0 | 7D1B03XXD902 | 15.2 | 7D1B03XX0N02 | 22.0 | 20.1 | 96 | 97 | 0.95 |
| LV 1925Lm 4000K CRI97 Dali | 7D1B03XX1N02 | 12.1 | 7D1B03XX1R02 | 12.0 | 7D1B03XX1U02 | 15.2 | 7D1B03XX0R02 | 22.0 | 20.1 | 96 | 97 | 0.95 |

All values are measured at 230V (+/- 7%).

New!



ø 230 mm

## SPRINGS

Other springs only available through our MIYO department.

## COLOURS



Matt black
RAL 9005



Matt white
RAL 9016




| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

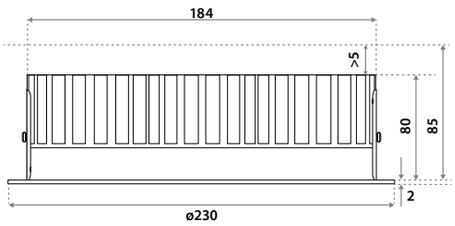
## VECTOR 235



Also available as surface mounted version Vector 235. Check our website and datasheets for more information.

# Strada 185/Vector 235

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 250 | 9,4 | 1250 | 1275 | 133 | 136 |
| *Special request* | 350 | 13,3 | 1725 | 1750 | 130 | 132 |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 129 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 |
| *Special request* | 1050 | 44,1 | 4575 | 4850 | 104 | 110 |
| **Standard** | 1200 | 51,3 | 5000 | 5300 | 97 | 103 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 80° |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

TCI LUMILEDS TE bridgelux eldoLED KGP

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

185 | 185 to 205 | 5-85 85

**Using CS springs:** Thickness ceiling 5-85 mm & recess depth 85 mm.
185 mm: For soft ceiling tiles. We recommend using a wooden plate or a ceiling ring on the reverse side of the tile.
185-205 mm: For plasterboard ceilings or similar harder materials.

**IP20**
**IP44**

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

## ITEM SPECIFICATIONS

| Description Strada 185 | Item code | UGR | mA | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| LV-HE 3300Lm 3000K CRI95 No dim | 85R103XXYR02 | 25.2 | 700 | 28,0 | 118 | 95 | 0.99 | II |
| LV-HE 3300Lm 3000K CRI95 1-10V & Push | 85R103XXYH02 | 25.2 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| LV-HE 3300Lm 3000K CRI95 Dali | 85R103XXYM02 | 25.2 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| LV-HE 3500Lm 4000K CRI95 No dim | 85R103XXYY02 | 25.4 | 700 | 28,0 | 125 | 95 | 0.99 | II |
| LV-HE 3500Lm 4000K CRI95 1-10V & Push | 85R103XXYU02 | 25.4 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| LV-HE 3500Lm 4000K CRI95 Dali | 85R103XXYW02 | 25.4 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| LV-HE 5000Lm 3000K CRI95 No dim | 85R103XXYT02 | 26.6 | 1200 | 51,3 | 97 | 95 | 0.95 | II |
| LV-HE 5000Lm 3000K CRI95 1-10V & Push | 85R103XXYK02 | 26.6 | 1200 | 51,3 | 97 | 95 | 0.95 | I |
| LV-HE 5000Lm 3000K CRI95 Dali | 85R103XXYP02 | 26.6 | 1200 | 51,3 | 97 | 95 | 0.95 | I |
| LV-HE 5300Lm 4000K CRI95 No dim | 85R103XXYZ02 | 26.8 | 1200 | 51,3 | 103 | 95 | 0.95 | II |
| LV-HE 5300Lm 4000K CRI95 1-10V & Push | 85R103XXYV02 | 26.8 | 1200 | 51,3 | 103 | 95 | 0.95 | I |
| LV-HE 5300Lm 4000K CRI95 Dali | 85R103XXYX02 | 26.8 | 1200 | 51,3 | 103 | 95 | 0.95 | I |

All values are measured at 230V (+/- 7%).

New!
CRI95



ø 90 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°
LV-TW: 60°



**Lens**
HV-FD: 40°



**Diffuser**
HV-FD: 80°
LV: 80°
LV-TW 80°

## FLUXE 90 ADJ



Also available as adjustable version Fluxe 90. Check our website and datasheets for more information.

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

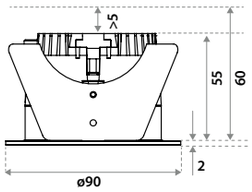
## SPRINGS



Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Fluxe 75/90

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | See the item specifications below |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 / IP65 [1] |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 4.5 | 700 | 725 | 750 | 155 | 161 | 166 |
| Standard | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 |

| CRI97 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 5,0 | 475 | 500 | 525 | 95 | 100 | 105 |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 |
| Standard | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 |

75 5-60 60

**Using CS springs:** Ø 75 mm.
Thickness ceiling 5-60 mm
& recess depth 60 mm.

77 1-55 60

**Using WS springs:** Ø 77 mm.
Thickness ceiling 1-55 mm
& recess depth 60 mm.

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20 / IP65 [1] MADE IN HOLLAND 7 YEAR WARRANTY ECO

[1] Not for HV-FD 40° version.

## ITEM SPECIFICATIONS

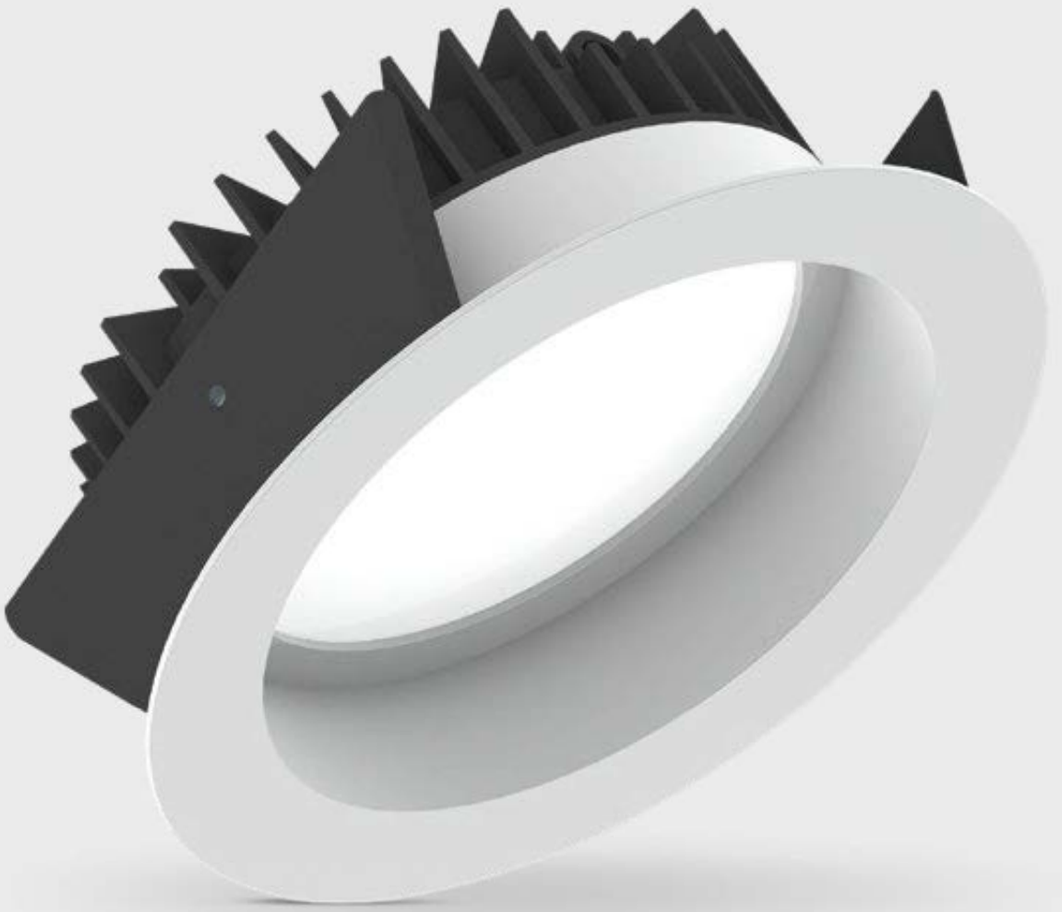
| Description Fluxe 75 | 40° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | |
| HV-FD 800Lm 2700K Triac dim | 802A03XX5A02 | 15.7 | 802A03XX5B02 | 26.9 | 10.5 | 76 | 93 | 0.99 | I |
| HV-FD 800Lm 3000K Triac dim | 802A03XX5C02 | 15.7 | 802A03XX5D02 | 26.9 | 10.3 | 78 | 93 | 0.99 | I |
| HV-FD 800Lm 4000K Triac dim | 802A03XX5E02 | 15.7 | 802A03XX5F02 | 26.9 | 10.1 | 79 | 93 | 0.99 | I |
| HV-FD 800Lm 2200-3000K Triac dim | 802A03XX5G02 | 15.7 | 802A03XX5H02 | 26.9 | 10.3 | 78 | 93 | 0.99 | I |

| Description Fluxe 75 | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| LV-HE 1350Lm 2700K CRI95 No dim | 80SA03XX4K02 | 23.4 | 80SA03XX4L02 | 24.2 | 80SA03XX4M02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1350Lm 2700K CRI95 Dali | 80SA03XX4B02 | 23.4 | 80SA03XX4E02 | 24.2 | 80SA03XX4H02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 No dim | 80SB03XX4K02 | 23.5 | 80SB03XX4L02 | 24.3 | 80SB03XX4M02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 Dali | 80SB03XX4B02 | 23.5 | 80SB03XX4E02 | 24.3 | 80SB03XX4H02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 No dim | 80SE03XX4K02 | 23.6 | 80SE03XX4L02 | 24.4 | 80SE03XX4M02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 Dali | 80SE03XX4B02 | 23.6 | 80SE03XX4E02 | 24.4 | 80SE03XX4H02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV 1150Lm 2700K CRI97 No dim | 805A03XX4K02 | 22.8 | 805A03XX4L02 | 23.7 | 805A03XX4M02 | 28.1 | 13.8 | 83 | 97 | 0.99 | II |
| LV 1150Lm 2700K CRI97 Dali | 805A03XX4B02 | 22.8 | 805A03XX4E02 | 23.7 | 805A03XX4H02 | 28.1 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 No dim | 805B03XX4K02 | 23.1 | 805B03XX4L02 | 24.0 | 805B03XX4M02 | 28.4 | 13.8 | 91 | 97 | 0.99 | II |
| LV 1250Lm 3000K CRI97 Dali | 805B03XX4B02 | 23.1 | 805B03XX4E02 | 24.0 | 805B03XX4H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 No dim | 805G03XX4K02 | 23.4 | 805G03XX4L02 | 24.2 | 805G03XX4M02 | 28.7 | 13.8 | 98 | 97 | 0.99 | II |
| LV 1350Lm 4000K CRI97 Dali | 805G03XX4B02 | 23.4 | 805G03XX4E02 | 24.2 | 805G03XX4H02 | 28.7 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1250Lm 1800-3000K CRI97 Dali | 805E03XX4B02 | 23.1 | 805E03XX4E02 | 24.0 | 805E03XX4H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV-TW 1250Lm 2700-6500K CRI93 Dali | - | - | 806A03XX4W02 | 24.0 | 806A03XX4Y02 | 28.4 | 10.6 | 118 | 93 | 0.90 | II |

LV versions also available with: Triac dim | Casambi | 1-10V & Push | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%). See datasheets for the HV-FD dimmerlist.

New!
CRI95



ø 230 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

## CYLINDER 235



Also available as surface mounted version Vector 235. Check our website and datasheets for more information.

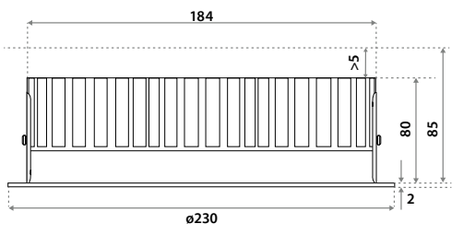
## SPRINGS

Other springs only available through our MIYO department.

# **Fluxe 185**/Cylinder 235



## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 250 | 9,4 | 1250 | 1275 | 133 | 136 |
| *Special request* | 350 | 13,3 | 1725 | 1750 | 130 | 132 |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 129 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 |
| *Special request* | 1050 | 44,1 | 4575 | 4850 | 104 | 110 |
| **Standard** | 1200 | 51,3 | 5000 | 5300 | 97 | 103 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 80° |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

TCI LUMILEDS TE bridgelux eldoLED KGP

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

185 | 185 to 205 | 5-85 85

**Using CS springs:** Thickness ceiling 5-85 mm & recess depth 85 mm.
185 mm: For soft ceiling tiles. We recommend using a wooden plate or a ceiling ring on the reverse side of the tile.
185-205 mm: For plasterboard ceilings or similar harder materials.

**IP20**
**IP44**

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

## ITEM SPECIFICATIONS

| Description Fluxe 185 | Item code | UGR | mA | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| **LV-HE 3300Lm 3000K CRI95 No dim** | 82R103XXYR02 | 25.2 | 700 | 28,0 | 118 | 95 | 0.99 | II |
| **LV-HE 3300Lm 3000K CRI95 1-10V & Push** | 82R103XXYH02 | 25.2 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| **LV-HE 3300Lm 3000K CRI95 Dali** | 82R103XXYM02 | 25.2 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| **LV-HE 3500Lm 4000K CRI95 No dim** | 82R103XXYY02 | 25.4 | 700 | 28,0 | 125 | 95 | 0.99 | II |
| **LV-HE 3500Lm 4000K CRI95 1-10V & Push** | 82R103XXYU02 | 25.4 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| **LV-HE 3500Lm 4000K CRI95 Dali** | 82R103XXYW02 | 25.4 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| **LV-HE 5000Lm 3000K CRI95 No dim** | 82R103XXYT02 | 26.6 | 1200 | 51,3 | 97 | 95 | 0.95 | II |
| **LV-HE 5000Lm 3000K CRI95 1-10V & Push** | 82R103XXYK02 | 26.6 | 1200 | 51,3 | 97 | 95 | 0.95 | I |
| **LV-HE 5000Lm 3000K CRI95 Dali** | 82R103XXYP02 | 26.6 | 1200 | 51,3 | 97 | 95 | 0.95 | I |
| **LV-HE 5300Lm 4000K CRI95 No dim** | 82R103XXYZ02 | 26.8 | 1200 | 51,3 | 103 | 95 | 0.95 | II |
| **LV-HE 5300Lm 4000K CRI95 1-10V & Push** | 82R103XXYV02 | 26.8 | 1200 | 51,3 | 103 | 95 | 0.95 | I |
| **LV-HE 5300Lm 4000K CRI95 Dali** | 82R103XXYX02 | 26.8 | 1200 | 51,3 | 103 | 95 | 0.95 | I |

All values are measured at 230V (+/- 7%).


Linea 75
Linea 50









Ejner Hessel
Tilst, Denmark
Linea DS-F 150
and Odion XS

NEW



ø 60 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

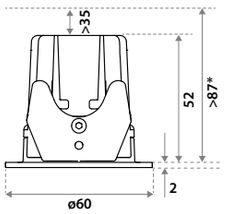
## SPRINGS



Standard with CS springs (concrete/gyproc).
Also available as above with WS springs (gyproc/metal).

# Linea 50

## DIMENSIONS




* This distance is necessary because of the height of the connection box (80 mm). Purely for heat reasons just 5 mm is sufficient.

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | Vf | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 350 | 11,1 | 4,5 | 350 | 375 | 400 | 78 | 84 | 90 |
| *Special request* | 500 | 11,4 | 6,6 | 500 | 525 | 550 | 76 | 80 | 84 |
| Standard | 700 | 11,7 | 9,4 | 625 | 650 | 675 | 66 | 69 | 72 |

## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 40°/60° |
| Fixture material | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

*See page 136 for more information about power supplies.




**Using CS springs:** Ø 50 mm. Thickness ceiling 5-87 mm & recess depth 87 mm.




**Using WS springs:** Ø 50 mm. Thickness ceiling 1-20 mm & recess depth 87 mm.

IP20 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

## ITEM SPECIFICATIONS

| Description | 40° | | 60° | | Input | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | | |
| Linea 50 LV 2700K 625Lm CRI93 No dim | NA3R03XX5Y02 | 17.3 | NA3R03XX4L02 | 21.2 | 220-240V | 9,4 | 66 | 93 | >0.95 | II |
| Linea 50 LV 3000K 650Lm CRI93 No dim | NA3S03XX5Y02 | 17.5 | NA3S03XX4L02 | 21.4 | 220-240V | 9,4 | 69 | 93 | >0.95 | II |
| Linea 50 LV 4000K 675Lm CRI93 No dim | NA3T03XX5Y02 | 17.6 | NA3T03XX4L02 | 21.5 | 220-240V | 9,4 | 72 | 93 | >0.95 | II |
| Linea 50 LV 2700K 625Lm CRI93 Triac | NA3R03XX5V02 | 17.3 | NA3R03XX4D02 | 21.2 | 220-240V | 9,4 | 66 | 93 | 0.96 | II |
| Linea 50 LV 3000K 650Lm CRI93 Triac | NA3S03XX5V02 | 17.5 | NA3S03XX4D02 | 21.4 | 220-240V | 9,4 | 69 | 93 | 0.96 | II |
| Linea 50 LV 4000K 675Lm CRI93 Triac | NA3T03XX5V02 | 17.6 | NA3T03XX4D02 | 21.5 | 220-240V | 9,4 | 72 | 93 | 0.96 | II |
| Linea 50 LV 2700K 625Lm CRI93 Dali | NA3R03XX5W02 | 17.3 | NA3R03XX4E02 | 21.2 | 220-240V | 9,4 | 66 | 93 | >0.94 | II |
| Linea 50 LV 3000K 650Lm CRI93 Dali | NA3S03XX5W02 | 17.5 | NA3S03XX4E02 | 21.4 | 220-240V | 9,4 | 69 | 93 | >0.94 | II |
| Linea 50 LV 4000K 675Lm CRI93 Dali | NA3T03XX5W02 | 17.6 | NA3T03XX4E02 | 21.5 | 220-240V | 9,4 | 72 | 93 | >0.94 | II |
| Linea 50 LVC 700mA 625 Lm 2700K | NA3R03XX5YE2 | 17.3 | NA3R03XX4LE2 | 21.2 | 700mA | 8,2 | 76 | 93 | x | III |
| Linea 50 LVC 700mA 650 Lm 3000K | NA3S03XX5YE2 | 17.5 | NA3S03XX4LE2 | 21.4 | 700mA | 8,2 | 79 | 93 | x | III |
| Linea 50 LVC 700mA 675 Lm 4000K | NA3T03XX5YE2 | 17.6 | NA3T03XX4LE2 | 21.5 | 700mA | 8,2 | 82 | 93 | x | III |

All values are measured at 230V (+/- 7%).

New!
CRI95





ø 90 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°
LV-TW: 60°



**Lens**
HV-FD: 40°



**Diffuser**
HV-FD: 80°
LV: 80°
LV-TW: 80°

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

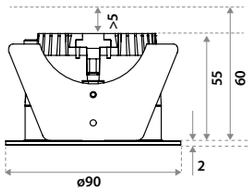
## SPRINGS



Standard with CS springs (concrete/gyproc).
Also available as above with WS springs (gyproc/metal).

# Linea 75

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | See the item specifications below |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 / IP65 [1] |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 4.5 | 700 | 725 | 750 | 155 | 161 | 166 |
| Standard | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 |

| CRI97 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 5,0 | 475 | 500 | 525 | 95 | 100 | 105 |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 |
| Standard | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 |

75 | 5-60 60

**Using CS springs:** Ø 75 mm.
Thickness ceiling 5-60 mm
& recess depth 60 mm.

77 | 1-55 60

**Using WS springs:** Ø 77 mm.
Thickness ceiling 1-55 mm
& recess depth 60 mm.

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20 / IP65 [1]

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

[1] Not for HV-FD 40° version.

bhc TE TCI bridgelux CASAMBI LUMILEDS KGP

## ITEM SPECIFICATIONS

| Description Linea 75 | 40° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | |
| HV-FD 800Lm 2700K Triac dim | 912A03XX5A02 | 15.7 | 912A03XX5B02 | 26.9 | 10.5 | 76 | 93 | 0.99 | I |
| HV-FD 800Lm 3000K Triac dim | 912A03XX5C02 | 15.7 | 912A03XX5D02 | 26.9 | 10.3 | 78 | 93 | 0.99 | I |
| HV-FD 800Lm 4000K Triac dim | 912A03XX5E02 | 15.7 | 912A03XX5F02 | 26.9 | 10.1 | 79 | 93 | 0.99 | I |
| HV-FD 800Lm 2200-3000K Triac dim | 912A03XX5G02 | 15.7 | 912A03XX5H02 | 26.9 | 10.3 | 78 | 93 | 0.99 | I |

| Description Linea 75 | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| LV-HE 1350Lm 2700K CRI95 No dim | 91SA03XX4K02 | 23.4 | 91SA03XX4L02 | 24.2 | 91SA03XX4M02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1350Lm 2700K CRI95 Dali | 91SA03XX4B02 | 23.4 | 91SA03XX4E02 | 24.2 | 91SA03XX4H02 | 28.7 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 No dim | 91SB03XX4K02 | 23.5 | 91SB03XX4L02 | 24.3 | 91SB03XX4M02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 Dali | 91SB03XX4B02 | 23.5 | 91SB03XX4E02 | 24.3 | 91SB03XX4H02 | 28.8 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 No dim | 91SE03XX4K02 | 23.6 | 91SE03XX4L02 | 24.4 | 91SE03XX4M02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 Dali | 91SE03XX4B02 | 23.6 | 91SE03XX4E02 | 24.4 | 91SE03XX4H02 | 28.9 | 9,3 | 153 | 95 | 0.95 | II |
| LV 1150Lm 2700K CRI97 No dim | 915A03XX4K02 | 22.8 | 915A03XX4L02 | 23.7 | 915A03XX4M02 | 28.1 | 13.8 | 83 | 97 | 0.99 | II |
| LV 1150Lm 2700K CRI97 Dali | 915A03XX4B02 | 22.8 | 915A03XX4E02 | 23.7 | 915A03XX4H02 | 28.1 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 No dim | 915B03XX4K02 | 23.1 | 915B03XX4L02 | 24.0 | 915B03XX4M02 | 28.4 | 13.8 | 91 | 97 | 0.99 | II |
| LV 1250Lm 3000K CRI97 Dali | 915B03XX4B02 | 23.1 | 915B03XX4E02 | 24.0 | 915B03XX4H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 No dim | 915G03XX4K02 | 23.4 | 915G03XX4L02 | 24.2 | 915G03XX4M02 | 28.7 | 13.8 | 98 | 97 | 0.99 | II |
| LV 1350Lm 4000K CRI97 Dali | 915G03XX4B02 | 23.4 | 915G03XX4E02 | 24.2 | 915G03XX4H02 | 28.7 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1250Lm 1800-3000K CRI97 Dali | 915E03XX4B02 | 23.1 | 915E03XX4E02 | 24.0 | 915E03XX4H02 | 28.4 | 13.8 | 91 | 97 | 0.95 | II |
| LV-TW 1250Lm 2700-6500K CRI93 Dali | - | - | 916A03XX4W02 | 24.0 | 916A03XX4Y02 | 28.4 | 10.6 | 118 | 93 | 0.90 | II |

| LV versions also available with: | Triac dim | Casambi | 1-10V & Push | Check our datasheets, pricelist or website for all available versions |
|---|---|---|---|---|

All values are measured at 230V (+/- 7%). See datasheets for the HV-FD dimmerlist.

New!
CRI95



ø 230 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°
LV-TW: 60°



**Diffuser**
LV: 80°
LV-TW: 80°

## LINEA 120



Also available as a smaller version Linea 120. Check our website and datasheets for more information.

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

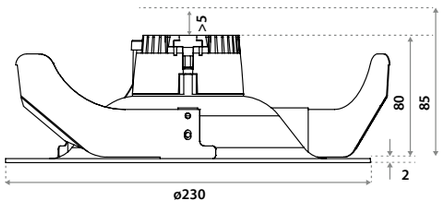
## SPRINGS



Standard with GS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Linea 185/120

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | See the item specifications below |
| Fixture material | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 / IP65 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

IP20 / IP65 — MADE IN HOLLAND — 7 YEAR WARRANTY — ECO

Only when the product is installed in a closed ceiling may it be exposed to water splashes, and only on its front side.

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 4.5 | 700 | 725 | 750 | 155 | 161 | 166 |
| Standard | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 |
| Standard | 400 | 15.2 | 2100 | 2150 | 2200 | 137 | 141 | 144 |
| *Special request* | 500 | 19,3 | 2600 | 2625 | 2700 | 134 | 136 | 140 |
| *Special request* | 600 | 23,6 | 3050 | 3125 | 3200 | 130 | 132 | 136 |
| Standard | 650 | 25,7 | 3175 | 3275 | 3375 | 124 | 127 | 131 |

| CRI97 standard | mA | W per lamp | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| *Special request* | 125 | 5,0 | 475 | 500 | 525 | 95 | 100 | 105 |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 |
| Standard | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 |
| *Special request* | 400 | 15.8 | 1300 | 1425 | 1550 | 82 | 90 | 98 |
| Standard | 500 | 20.1 | 1625 | 1800 | 1925 | 81 | 89 | 96 |
| *Special request* | 600 | 23.9 | 1900 | 2050 | 2225 | 80 | 86 | 93 |
| Standard | 650 | 26.0 | 2050 | 2250 | 2400 | 79 | 86 | 92 |

170 to 175 — 8-85 85

**Using GS springs:** Ø 170-175 mm. Thickness ceiling 8-85 mm & recess depth 85 mm. For plasterboard ceilings or similar harder materials. Turn the ring on the front counterclockwise after installation.

180 to 210 — 1-35 85

**Using WS springs:** Ø 180-210 mm. Thickness ceiling 1-35 & recess depth 85 mm. For soft ceiling tiles. We recommend taking down the ceiling tile before installing the product.

## ITEM SPECIFICATIONS

| Description Linea 185 | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| LV-HE 1350Lm 2700K CRI95 No dim | 87SA03XX2U02 | 16.0 | 87SA03XX2V02 | 16.9 | 87SA03XX2W02 | 21.4 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1350Lm 2700K CRI95 Dali | 87SA03XX2L02 | 16.0 | 87SA03XX2P02 | 16.9 | 87SA03XX2S02 | 21.4 | 9,3 | 145 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 No dim | 87SB03XX2U02 | 16.1 | 87SB03XX2V02 | 17.0 | 87SB03XX2W02 | 21.4 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1375Lm 3000K CRI95 Dali | 87SB03XX2L02 | 16.1 | 87SB03XX2P02 | 17.0 | 87SB03XX2S02 | 21.4 | 9,3 | 148 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 No dim | 87SE03XX2U02 | 16.2 | 87SE03XX2V02 | 17.1 | 87SE03XX2W02 | 21.6 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 1425Lm 4000K CRI95 Dali | 87SE03XX2L02 | 16.2 | 87SE03XX2P02 | 17.1 | 87SE03XX2S02 | 21.6 | 9,3 | 153 | 95 | 0.95 | II |
| LV-HE 2100Lm 2700K CRI95 No dim | 87SG03XX2U02 | 17.6 | 87SG03XX2V02 | 18.4 | 87SG03XX2W02 | 22.9 | 15,2 | 137 | 95 | 0.99 | II |
| LV-HE 2150Lm 3000K CRI95 No dim | 87SL03XX2U02 | 17.7 | 87SL03XX2V02 | 18.5 | 87SL03XX2W02 | 23.0 | 15,2 | 141 | 95 | 0.99 | II |
| LV-HE 2200Lm 4000K CRI95 No dim | 87SM03XX2U02 | 17.7 | 87SM03XX2V02 | 18.6 | 87SM03XX2W02 | 23.1 | 15,2 | 144 | 95 | 0.99 | II |
| LV-HE 3175Lm 2700K CRI95 No dim | 87SV03XX2U02 | 19.0 | 87SV03XX2V02 | 19.9 | 87SV03XX2W02 | 24.3 | 25,7 | 124 | 95 | 0.99 | II |
| LV-HE 3275Lm 3000K CRI95 No dim | 87SW03XX2U02 | 19.1 | 87SW03XX2V02 | 20.0 | 87SW03XX2W02 | 24.5 | 25,7 | 127 | 95 | 0.99 | II |
| LV-HE 3375Lm 4000K CRI95 No dim | 87SX03XX2U02 | 19.2 | 87SX03XX2V02 | 20.1 | 87SX03XX2W02 | 24.6 | 25,7 | 131 | 95 | 0.99 | II |
| LV 1150Lm 2700K CRI97 No dim | 875A03XX2U02 | 15.5 | 875A03XX2V02 | 16.3 | 875A03XX2W02 | 20.8 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1150Lm 2700K CRI97 Dali | 875A03XX2L02 | 15.5 | 875A03XX2P02 | 16.3 | 875A03XX2S02 | 20.8 | 13.8 | 83 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 No dim | 875B03XX2U02 | 15.8 | 875B03XX2V02 | 16.6 | 875B03XX2W02 | 21.1 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1250Lm 3000K CRI97 Dali | 875B03XX2L02 | 15.8 | 875B03XX2P02 | 16.6 | 875B03XX2S02 | 21.1 | 13.8 | 91 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 No dim | 875G03XX2U02 | 16.0 | 875G03XX2V02 | 16.9 | 875G03XX2W02 | 21.3 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1350Lm 4000K CRI97 Dali | 875G03XX2L02 | 16.0 | 875G03XX2P02 | 16.9 | 875G03XX2S02 | 21.3 | 13.8 | 98 | 97 | 0.95 | II |
| LV 1625Lm 2700K CRI97 No dim | 875K03XX2U02 | 16.7 | 875K03XX2V02 | 17.5 | 875K03XX2W02 | 22.0 | 20.1 | 81 | 97 | 0.99 | II |
| LV 1800Lm 3000K CRI97 No dim | 875L03XX2U02 | 17.0 | 875L03XX2V02 | 17.9 | 875L03XX2W02 | 22.3 | 20.1 | 89 | 97 | 0.99 | II |
| LV 1925Lm 4000K CRI97 No dim | 875M03XX2U02 | 17.3 | 875M03XX2V02 | 18.1 | 875M03XX2W02 | 22.6 | 20.1 | 96 | 97 | 0.99 | II |
| LV 2050Lm 2700K CRI97 No dim | 875N03XX2U02 | 17.5 | 875N03XX2V02 | 18.3 | 875N03XX2W02 | 22.8 | 26.0 | 79 | 97 | 0.99 | II |
| LV 2250Lm 3000K CRI97 No dim | 875P03XX2U02 | 17.8 | 875P03XX2V02 | 18.7 | 875P03XX2W02 | 23.1 | 26.0 | 86 | 97 | 0.99 | II |
| LV 2400Lm 4000K CRI97 No dim | 875Q03XX2U02 | 18.0 | 875Q03XX2V02 | 18.9 | 875Q03XX2W02 | 23.3 | 26.0 | 92 | 97 | 0.99 | II |
| LV 1250Lm 1800-3000K CRI97 Dali | 875E03XX2L02 | 15.8 | 875E03XX2P02 | 16.6 | 875E03XX2S02 | 21.1 | 13.8 | 91 | 97 | 0.95 | II |
| LV-TW 1250Lm 2700-6500K CRI93 Dali | - | - | 876A03XX2B02 | 16.6 | 876A03XX2D02 | 28.4 | 10.6 | 118 | 93 | 0.90 | II |

LV versions also available with: Dali | Triac dim | Casambi | 1-10V & Push — Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).

New!
CRI95





ø 140 mm

## BEAM ANGLE



**Reflector**
LV: 18° / 37° / 60°



**Diffuser**
LV: 80°

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

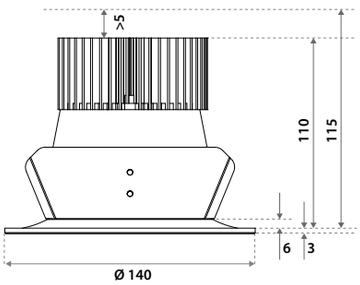
## SPRINGS



Standard with CS springs (concrete/gyproc).
Also available as above with WS springs (gyproc/metal).

# Linea DS-FS 120

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 250 | 9,4 | 1250 | 1275 | 133 | 136 |
| *Special request* | 350 | 13,3 | 1725 | 1750 | 130 | 132 |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 129 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 |
| *Special request* | 1050 | 44,1 | 4575 | 4850 | 104 | 110 |
| **Standard** | 1200 | 51,3 | 5000 | 5300 | 97 | 103 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 18° / 37° / 60° / 80° |
| **Fixture material** | Die cast aluminium / Glass |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK09 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **CRI** | 95 (CRI82 see pricelist) |
| **Pf** | 0.95 (0.99 No dim 700mA) |
| **Warranty** | 7 years |

**IP20**

**IP44**

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

Ask our sales department about the possibilities for:
- Tuneable white 2700-6500K.

TUNABLE WHITE

120 | 10-115

**Using CS springs:** Ø 120 mm. Thickness ceiling 10-115 mm & recess depth 115 mm. For plasterboard ceilings or similar harder materials thicker than 9 mm.

120 to 130 | 1-40

**Using WS springs:** Ø 120-130 mm. Thickness ceiling 1-40 mm & recess depth 115 mm. For soft ceiling tiles. We recommend using a ceiling ring on the reverse side of the tile.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO | UGR <19

TCI | TE | eldoLED | bridgelux | KGP

## ITEM SPECIFICATIONS

| Description Linea DS-FS 120 | 18° | | 37° | | 60° | | 80° | | W per lamp | Lm/W | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | Item code | UGR | | | |
| LV-HE 3300Lm 3000K CRI95 No dim | 28R003XXCA02 | 18.3 | 28R003XXCB02 | 17.8 | 28R003XXCC02 | 20.8 | 28R003XXG602 | 28.9 | 28,0 | 118 | II |
| LV-HE 3300Lm 3000K CRI95 1-10V & Push | 28R003XXNA02 | 18.3 | 28R003XXNB02 | 17.8 | 28R003XXNC02 | 20.8 | 28R003XXU602 | 28.9 | 28,0 | 118 | II |
| LV-HE 3300Lm 3000K CRI95 Dali | 28R003XXPA02 | 18.3 | 28R003XXPB02 | 17.8 | 28R003XXPC02 | 20.8 | 28R003XXT602 | 28.9 | 28,0 | 118 | II |
| LV-HE 3500Lm 4000K CRI95 No dim | 28R003XXCD02 | 18.5 | 28R003XXCE02 | 18.0 | 28R003XXCF02 | 21.0 | 28R003XXG802 | 29.1 | 28,0 | 125 | II |
| LV-HE 3500Lm 4000K CRI95 1-10V & Push | 28R003XXND02 | 18.5 | 28R003XXNE02 | 18.0 | 28R003XXNF02 | 21.0 | 28R003XXU802 | 29.1 | 28,0 | 125 | II |
| LV-HE 3500Lm 4000K CRI95 Dali | 28R003XXPD02 | 18.6 | 28R003XXPE02 | 18.0 | 28R003XXPF02 | 21.0 | 28R003XXT802 | 29.1 | 28,0 | 125 | II |
| LV-HE 5000Lm 3000K CRI95 No dim | 28R003XXCR02 | 19.7 | 28R003XXCS02 | 19.2 | 28R003XXCT02 | 22.2 | 28R003XXG702 | 30.4 | 51,3 | 97 | II |
| LV-HE 5000Lm 3000K CRI95 1-10V & Push | 28R003XXNK02 | 19.7 | 28R003XXNL02 | 19.2 | 28R003XXNM02 | 22.2 | 28R003XXU702 | 30.4 | 51,3 | 97 | I |
| LV-HE 5000Lm 3000K CRI95 Dali | 28R003XXPK02 | 19.7 | 28R003XXPL02 | 19.2 | 28R003XXPM02 | 22.2 | 28R003XXT702 | 30.4 | 51,3 | 97 | I |
| LV-HE 5300Lm 4000K CRI95 No dim | 28R003XXCU02 | 19.9 | 28R003XXCV02 | 19.4 | 28R003XXCW02 | 22.4 | 28R003XXG902 | 30.6 | 51,3 | 103 | II |
| LV-HE 5300Lm 4000K CRI95 1-10V & Push | 28R003XXNN02 | 19.9 | 28R003XXNP02 | 19.4 | 28R003XXNQ02 | 22.4 | 28R003XXU902 | 30.6 | 51,3 | 103 | I |
| LV-HE 5300Lm 4000K CRI95 Dali | 28R003XXPN02 | 19.9 | 28R003XXPP02 | 19.4 | 28R003XXPQ02 | 22.8 | 28R003XXT902 | 30.6 | 51,3 | 103 | I |

All values are measured at 230V (+/- 7%).

New!
CRI95



ø 230 mm

## BEAM ANGLE



**Reflector**
LV: 45° / 65°



**Diffuser**
LV: 80°

## LINEA DS-F 150



Also available as a smaller version Linea DS-F 150. Check our website and datasheets for more information.

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

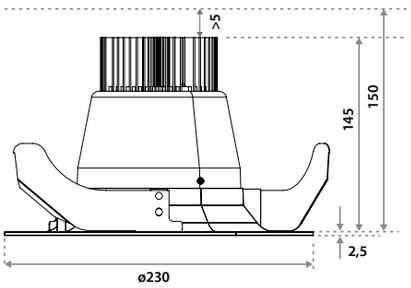
## SPRINGS



Standard with GS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Linea DS-FX 185/DS-F 150

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 250 | 9,4 | 1250 | 1275 | 133 | 136 |
| *Special request* | 350 | 13,3 | 1725 | 1750 | 130 | 132 |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 129 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 |
| *Special request* | 1050 | 44,1 | 4575 | 4850 | 104 | 110 |
| **Standard** | 1200 | 51,3 | 5000 | 5300 | 97 | 103 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 45° / 65° (On request 80°) |
| **Fixture material** | Die cast aluminium / Glass |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK09 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.
There are no exchangeable parts inside the luminaire.
EU 874/2012
Ask our sales department about the possibilities for:
- Tuneable white 2700-6500K.

TUNABLE WHITE

**IP20**
**IP44**

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

170 to 210 | 8-150 150

**Using GS springs:** Ø 170-210 mm. Thickness ceiling 8-150 mm & recess depth 150 mm. For plasterboard ceilings or similar harder materials. Turn the ring on the front counterclockwise after installation.

170 to 210 | 1-40 150

**Using WS springs:** Ø 170-210 mm. Thickness ceiling 1-40 mm & recess depth 150 mm. For soft ceiling tiles we recommend using a wooden plate or a ceiling ring on the reverse side of the tile.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO | UGR <19

TCI | TE | eldoLED | bridgelux | KGP

## ITEM SPECIFICATIONS

| Description Linea DS-FX 185 | 45° | | 65° | | 80° | | mA | W per lamp | Lm/W | CRI (typ.) | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | | | |
| LV-HE 3300Lm 3000K CRI95 No dim | 1BR703XXJE02 | 15.9 | 1BR703XXJF02 | 18.8 | 1BR703XXJN02 | 28.9 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| LV-HE 3300Lm 3000K CRI95 1-10V & Push | 1BR703XXU202 | 15.9 | 1BR703XXU302 | 18.8 | 1BR703XXTA02 | 28.9 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| LV-HE 3300Lm 3000K CRI95 Dali | 1BR703XXV202 | 15.9 | 1BR703XXV302 | 18.8 | 1BR703XXZ202 | 28.9 | 700 | 28,0 | 118 | 95 | 0.95 | II |
| LV-HE 3500Lm 4000K CRI95 No dim | 1BR703XXJG02 | 16.1 | 1BR703XXJH02 | 19.0 | 1BR703XXJS02 | 29.1 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| LV-HE 3500Lm 4000K CRI95 1-10V & Push | 1BR703XXU402 | 16.1 | 1BR703XXU502 | 19.0 | 1BR703XXTZ02 | 29.1 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| LV-HE 3500Lm 4000K CRI95 Dali | 1BR703XXV402 | 16.1 | 1BR703XXV502 | 19.0 | 1BR703XXZ402 | 29.1 | 700 | 28,0 | 125 | 95 | 0.95 | II |
| LV-HE 5000Lm 3000K CRI95 No dim | 1BR703XXGK02 | 17.4 | 1BR703XXGL02 | 20.3 | 1BR703XXJP02 | 30.4 | 1200 | 51,3 | 97 | 95 | 0.95 | II |
| LV-HE 5000Lm 3000K CRI95 1-10V & Push | 1BR703XXUU02 | 17.4 | 1BR703XXUV02 | 20.3 | 1BR703XXTB02 | 30.4 | 1200 | 51,3 | 97 | 95 | 0.95 | I |
| LV-HE 5000Lm 3000K CRI95 Dali | 1BR703XXVU02 | 17.4 | 1BR703XXVV02 | 20.3 | 1BR703XXZ302 | 30.4 | 1200 | 51,3 | 97 | 95 | 0.95 | I |
| LV-HE 5300Lm 4000K CRI95 No dim | 1BR703XXGM02 | 17.6 | 1BR703XXGN02 | 20.5 | 1BR703XXJT02 | 30.6 | 1200 | 51,3 | 103 | 95 | 0.95 | II |
| LV-HE 5300Lm 4000K CRI95 1-10V & Push | 1BR703XXUW02 | 17.6 | 1BR703XXUX02 | 20.5 | 1BR703XXT002 | 30.6 | 1200 | 51,3 | 103 | 95 | 0.95 | I |
| LV-HE 5300Lm 4000K CRI95 Dali | 1BR703XXVW02 | 17.6 | 1BR703XXVX02 | 20.5 | 1BR703XXZ502 | 30.6 | 1200 | 51,3 | 103 | 95 | 0.95 | I |

All values are measured at 230V (+/- 7%).

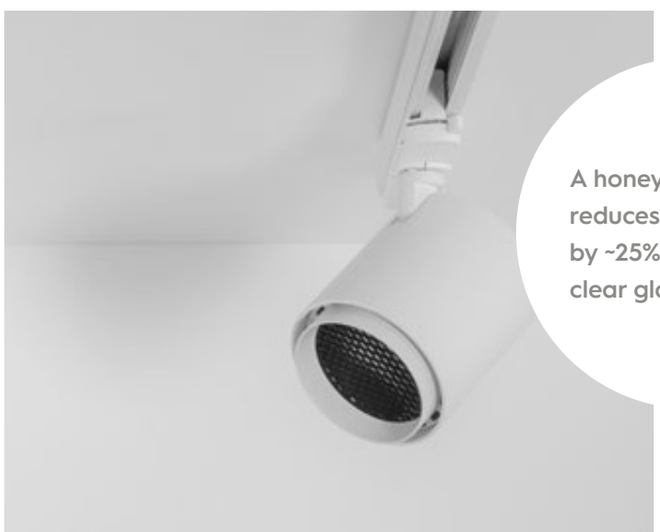


**Trackspots**
Eichholtz Amsterdam
Odion XL 2-CH by MIYO



Odion XS, with integrated power supply in the adapter, not visible after installation.



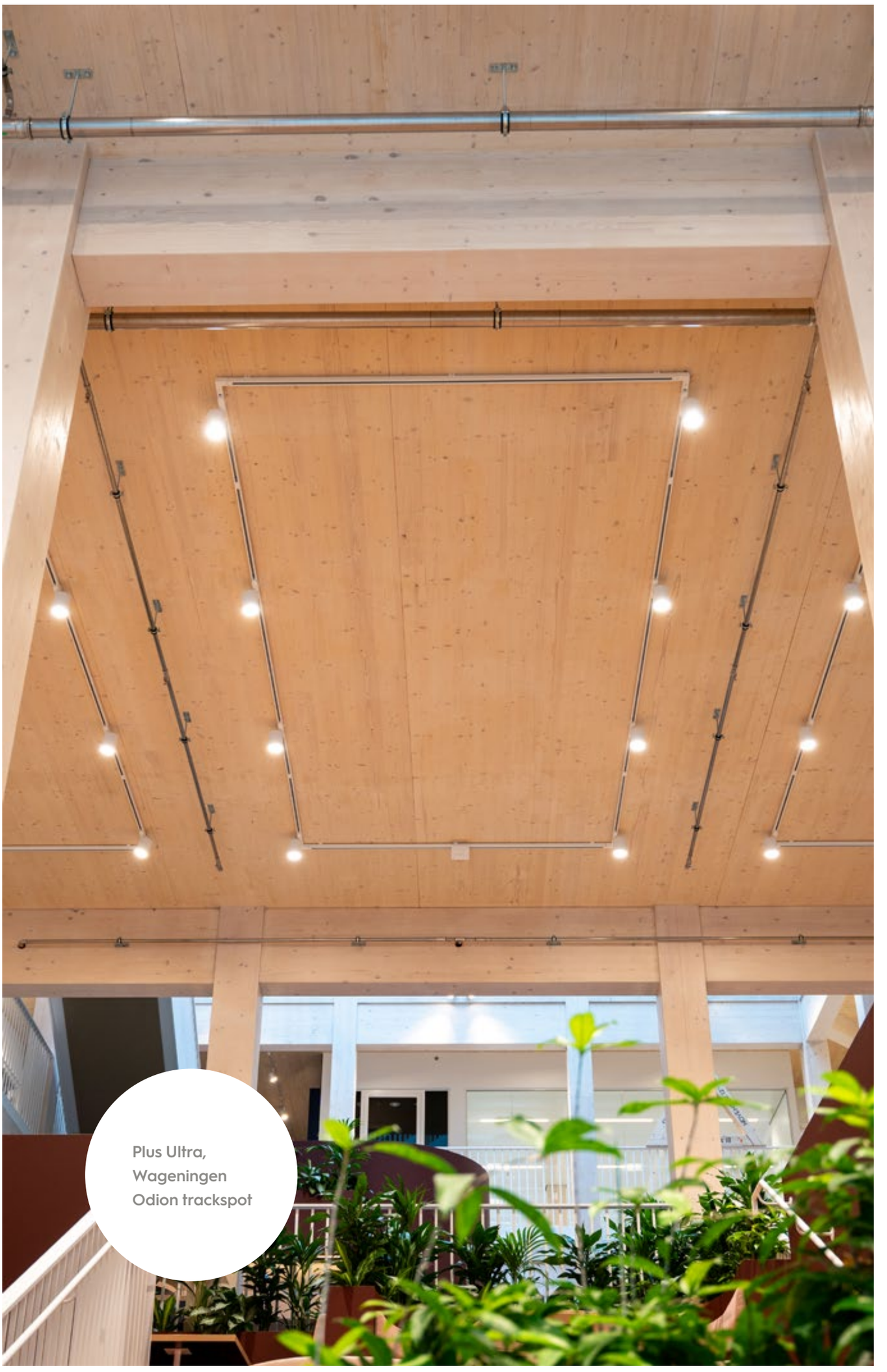


A honeycomb reduces the light output by ~25% compared to clear glass.





B-Klasse



Plus Ultra,
Wageningen
Odion trackspot

Panamera

New!



ø 125 mm

## BEAM ANGLE



**Reflector**
LV: 18° / 37° / 60°



**Diffuser**
LV: 80°



**Honeycomb**
(Reduces the light output by ~25% compared to clear glass.)

## COLOURS



Matt white
RAL 9016 (XX=MW)

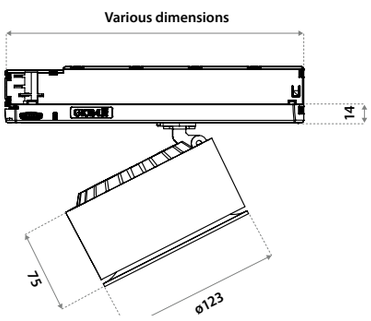


Matt black
RAL 9005 (XX=BL)

# Linea AS-XS

## DIMENSIONS

With integrated power supply in the adapter, not visible after installation.




## TRACKS

On request! Ask our sales department about the possibilities.



## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 18° / 37° / 60° / 80° |
| UGR (4H8H 70/50/20) | <19 (18° + 37°) |
| Fixture material | Die cast aluminium / Glass |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |
| Safety class | I |

**IP20**

This luminaire contains built-in LED lamps.
There are no exchangeable parts inside the luminaire.
EU 874/2012

MADE IN HOLLAND · 7 YEAR WARRANTY · ECO · UGR <19 · HIGH CRI LED OPTIONS

## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 128 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |

## ITEM SPECIFICATIONS

| Description Linea AS-XS-HE | 18° | | 37° | | 60° | | 80° | | mA | W per lamp | Lm/W | CRI (typ.) | Pf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| 3300Lm 3000K CRI95 No dim | 17R403XXHK02 | 13.2 | 17R403XXHL02 | 13.1 | 17R403XXHM02 | 16.3 | 17R403XXYR02 | 22.9 | 700 | 28,0 | 118 | 95 | 0.97 |
| 3300Lm 3000K CRI95 Dali | 17R403XXE402 | 13.2 | 17R403XXE502 | 13.1 | 17R403XXE602 | 16.3 | 17R403XXYM02 | 22.9 | 700 | 28,0 | 118 | 95 | 0.97 |
| 3300Lm 3000K CRI95 Casambi | 17R403XXJ402 | 13.2 | 17R403XXJ502 | 13.1 | 17R403XXJ602 | 16.3 | 17R403XXB802 | 22.9 | 700 | 28,0 | 118 | 95 | 0.97 |
| 3500Lm 4000K CRI95 No dim | 17R403XXHN02 | 13.4 | 17R403XXHP02 | 13.3 | 17R403XXHQ02 | 16.5 | 17R403XXYY02 | 23.1 | 700 | 28,0 | 125 | 95 | 0.97 |
| 3500Lm 4000K CRI95 Dali | 17R403XXE702 | 13.4 | 17R403XXE802 | 13.3 | 17R403XXE902 | 16.5 | 17R403XXYW02 | 23.1 | 700 | 28,0 | 125 | 95 | 0.97 |
| 3500Lm 4000K CRI95 Casambi | 17R403XXJ702 | 13.4 | 17R403XXJ802 | 13.3 | 17R403XXJ902 | 16.5 | 17R403XXB902 | 23.1 | 700 | 28,0 | 125 | 95 | 0.97 |

All values are measured at 230V (+/- 7%). .

ODION XS




## BEAM ANGLE



**Reflector**
LV: 18° / 37° / 60°



**Diffuser**
LV: 80°



**Honeycomb**
(Reduces the light output by -25% compared to clear glass.)

## COLOURS



**Matt white**
RAL 9016



**Matt black**
RAL 9005

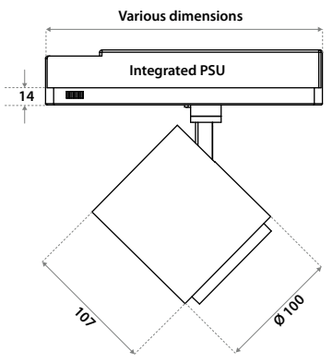
## FRONT RINGS



# Odion XS

## DIMENSIONS

With integrated power supply in the adapter, not visible after installation.




## TRACKS

On request! Ask our sales department about the possibilities.



## CHOOSE YOUR LV LUMEN OUTPUT

| CRI95 standard | mA | W per lamp | Lumen Output | | Lumen / Watt | |
|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 128 |
| Standard | 700 | 28,0 | 3300 | 3500 | 118 | 125 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 |
| *Special request* | 1050* | 44,1 | 4575 | 4850 | 104 | 110 |
| *Special request* | 1200* | 51,3 | 5000 | 5300 | 97 | 103 |

*In shop windows we do not recommend using these settings due to the high temperatures

## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 18° / 37° / 60° (On request 80°) |
| UGR (4H8H 70/50/20) | <19 (18° + 37°) |
| Fixture material | Die cast aluminium / Glass |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK09 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |
| Safety class | I |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

## CHOOSE YOUR COLOURS

| Housing/ Front ring | Item code | Housing/ Front ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

IP20 · MADE IN HOLLAND · 7 YEAR WARRANTY · ECO · UGR <19 · HIGH CRI LED OPTIONS

NORDIC ALUMINIUM · TE · TCI · bridgelux · KGP · PI-LED

## ITEM SPECIFICATIONS

| Description Odion XS-HE | 18° | | 37° | | 60° | | 80° | | mA | W per lamp | Lm/ W | CRI (typ.) | Pf |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | Item code | UGR | | | | | |
| 3300Lm 3000K CRI95 No dim | 35R403XXHK02 | 23.9 | 35R403XXHL02 | 25.1 | 35R403XXHM02 | 24.4 | 35R403XXYR02 | 30.5 | 700 | 28,0 | 118 | 95 | 0.97 |
| 3300Lm 3000K CRI95 Dali | 35R403XXE402 | 23.9 | 35R403XXE502 | 25.1 | 35R403XXE602 | 24.4 | 35R403XXYM02 | 30.5 | 700 | 28,0 | 118 | 95 | 0.97 |
| 3300Lm 3000K CRI95 Casambi | 35R403XXJ402 | 23.9 | 35R403XXJ502 | 25.1 | 35R403XXJ602 | 24.4 | 35R403XXB802 | 30.5 | 700 | 28,0 | 118 | 95 | 0.97 |
| 3500Lm 4000K CRI95 No dim | 35R403XXHN02 | 24.1 | 35R403XXHP02 | 25.3 | 35R403XXHQ02 | 24.6 | 35R403XXYY02 | 30.7 | 700 | 28,0 | 125 | 95 | 0.97 |
| 3500Lm 4000K CRI95 Dali | 35R403XXE702 | 24.1 | 35R403XXE802 | 25.3 | 35R403XXE902 | 24.6 | 35R403XXYW02 | 30.7 | 700 | 28,0 | 125 | 95 | 0.97 |
| 3500Lm 4000K CRI95 Casambi | 35R403XXJ702 | 24.1 | 35R403XXJ802 | 25.3 | 35R403XXJ902 | 24.6 | 35R403XXB902 | 30.7 | 700 | 28,0 | 125 | 95 | 0.97 |

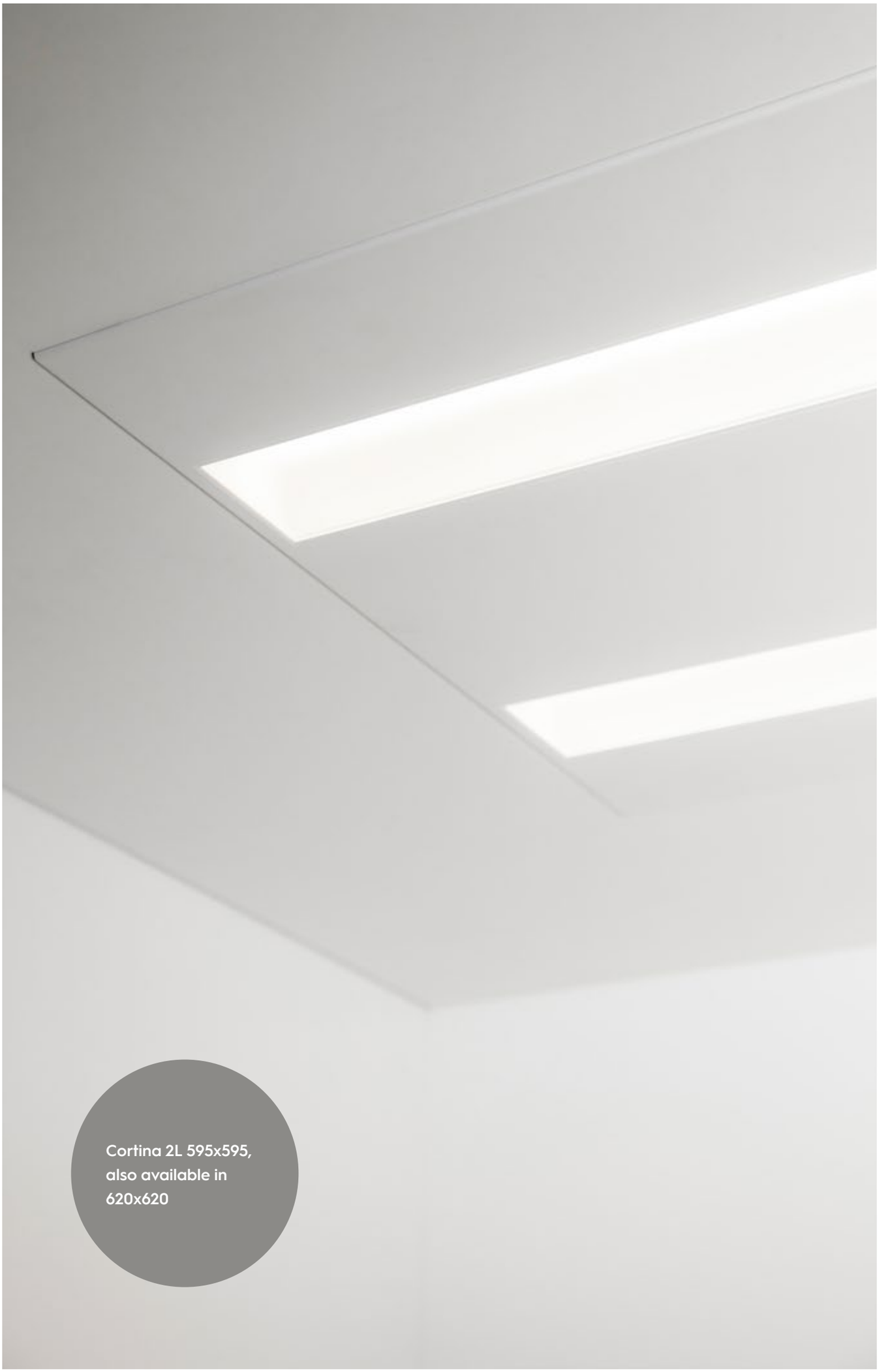
| Description Odion PI-LED | 60° | | W per lamp | Lm/ W | CRI (typ.) | Pf | Check our datasheets for more information |
|---|---|---|---|---|---|---|---|
| | Item code | UGR | | | | | |
| 1670-1820Lm 1800-16000K Dali | 35A403XX9E02 | 24.7 | 32,7 | 56 | >90 | >0.9 | |

All values are measured at 230V (+/- 7%). .




Porsche showroom
Linessa 2L 1195x295

Welkom bij Porsche Ce
Twente.

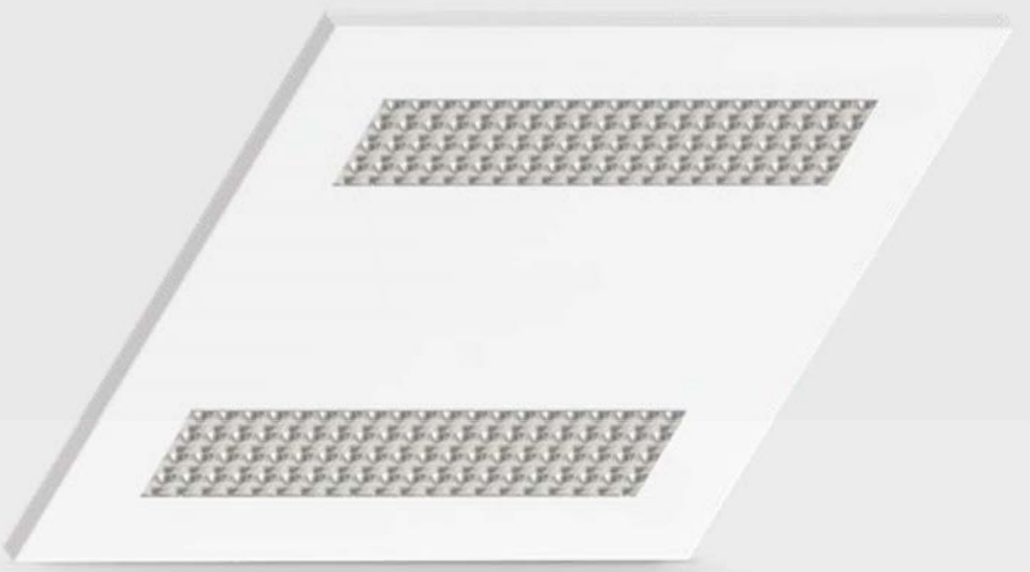


Cortina 2L 595x595,
also available in
620x620

Also available with patented
integrated active air ventilation

See page 40

Bartenbach
lighting optics



595x595 / 620x620 mm

LINESSA 2L 595X595 / 620X620

## COLOURS



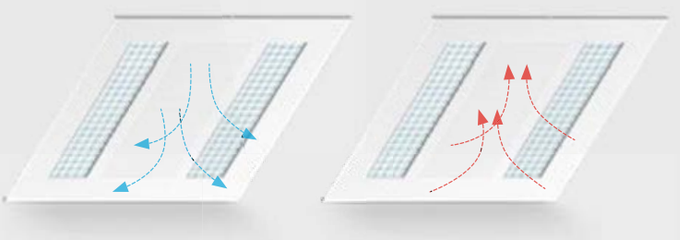
Ceiling plate: Matt white RAL 9016
Reflector cups: chrome

Ceiling plate: Matt white RAL 9016
Reflector cups: white (on request)

## DIMENSIONS ON REQUEST

- 1195x295 mm
- 1720x112 mm

## LINESSA AIR 2L

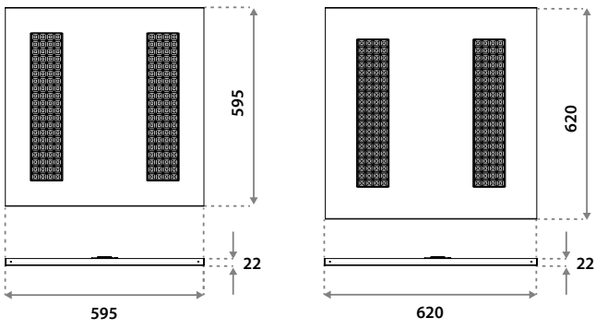


Lighting with integrated ventilation

Also available as Linessa Air 2L.
Scan this QR code for more information about Linessa Air 2L.

# Linessa 2L 595x595 / 620x620

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| **Dimensions** | 595x595 (XX=C3) / 620x620 (XX=C2) |
| **Beam angle (FWHM)** | Chrome: 77° (Standard)<br>White: 86° (Special request) |
| **UGR (4H8H 70/50/20)** | <16 |
| **Fixture material** | Housing: Steel<br>Reflector optic: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

**IP20**

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO | UGR <16

SEOUL SEMICONDUCTOR | bhc | TCI | eldoLED | KGP

## CHOOSE YOUR LUMEN OUTPUT

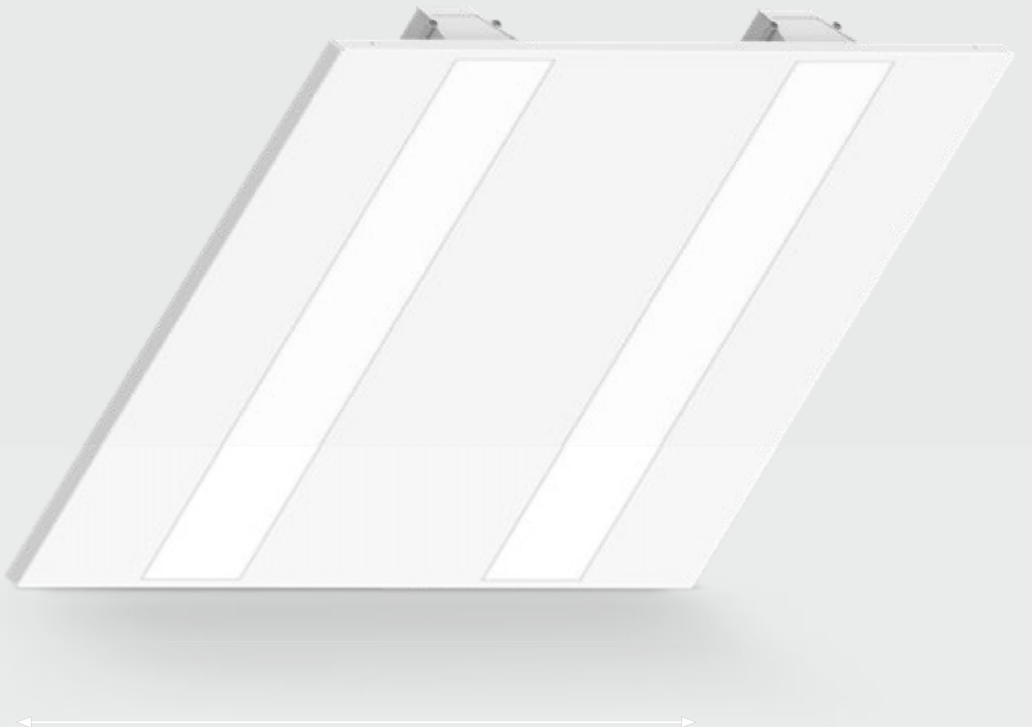
| | mA | W per lamp | Lumen Output | | Lumen / watt | | UGR | |
|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 350 | 16.6 | 2350 | 2450 | 142 | 148 | 12.6 | 12.8 |
| **Standard** | 500 | 23.8 | 3300 | 3450 | 139 | 145 | 13.8 | 14.0 |
| *Special request* | 600 | 28.6 | 3950 | 4100 | 138 | 143 | 14.4 | 14.6 |
| **Standard** | 700 | 33.6 | 4550 | 4750 | 135 | 141 | 14.9 | 15.1 |
| *Special request* | 900 | 43.5 | 5800 | 6000 | 133 | 138 | 15.8 | 15.9 |
| *Special request* | 1050 | 51.0 | 6500 | 6750 | 127 | 132 | 16.2 | 16.3 |

## ITEM SPECIFICATIONS

| Description | Item code | mA | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Linessa 2L 3300Lm 3000K No dim | 3DXX03CHXA02 | 500 | 23.8 | 139 | 83 | 13.8 | 0.95 | II |
| Linessa 2L 3300Lm 3000K 1-10V & Push | 3DXX03CHXE02 | 500 | 23.8 | 139 | 83 | 13.8 | 0.95 | II |
| Linessa 2L 3300Lm 3000K Dali | 3DXX03CHXC02 | 500 | 23.8 | 139 | 83 | 13.8 | 0.95 | II |
| Linessa 2L 4550Lm 3000K No dim | 3DXX03CHSG02 | 700 | 33.6 | 135 | 83 | 14.9 | 0.95 | I |
| Linessa 2L 4550Lm 3000K 1-10V & Push | 3DXX03CHSM02 | 700 | 33.6 | 135 | 83 | 14.9 | 0.95 | II |
| Linessa 2L 4550Lm 3000K Dali | 3DXX03CHSK02 | 700 | 33.6 | 135 | 83 | 14.9 | 0.95 | II |
| Linessa 2L 3450Lm 4000K No dim | 3DXX03CHXB02 | 500 | 23.8 | 145 | 83 | 14.0 | 0.95 | II |
| Linessa 2L 3450Lm 4000K 1-10V & Push | 3DXX03CHXF02 | 500 | 23.8 | 145 | 83 | 14.0 | 0.95 | II |
| Linessa 2L 3450Lm 4000K Dali | 3DXX03CHXD02 | 500 | 23.8 | 145 | 83 | 14.0 | 0.95 | II |
| Linessa 2L 4750Lm 4000K No dim | 3DXX03CHSH02 | 700 | 33.6 | 141 | 83 | 15.1 | 0.95 | I |
| Linessa 2L 4750Lm 4000K 1-10V & Push | 3DXX03CHSN02 | 700 | 33.6 | 141 | 83 | 15.1 | 0.95 | II |
| Linessa 2L 4750Lm 4000K Dali | 3DXX03CHSL02 | 700 | 33.6 | 141 | 83 | 15.1 | 0.95 | II |

All values are measured at 230V (+/- 7%).

CORTINA 2L 595X595 / 620X620



595x595 / 620x620 mm

## OTHER DIMENSIONS



1195x295 mm



1720x100 mm

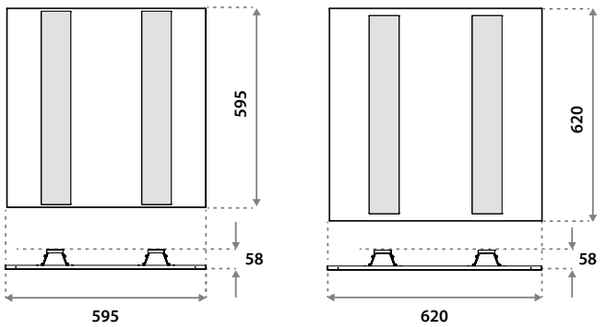
Check our datasheets, pricelist or website for all available versions and more information. Or ask our sales department.

## COLOURS

**Matt white**
RAL 9016

# Cortina 2L 595x595 / 620x620

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Dimensions | 595x595 (XX=C3) / 620x620 (XX=C2) |
| Beam angle (FWHM) | 80° (Standard) |
| UGR (4H8H 70/50/20) | <19 |
| Fixture material | Housing: Steel / Lens: Polycarbonate Diffuser: PMMA |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

IP20

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

UGR <19

SAMSUNG TCL eldoLED KGP

## CHOOSE YOUR LUMEN OUTPUT

| | mA | W per lamp | Lumen Output | | Lumen / watt | | UGR | |
|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | 3000K | 4000K |
| *Special request* | 500 | 19,0 | 2500 | 2600 | 132 | 137 | 17,4 | 17,5 |
| **Standard** | 700 | 27,1 | 3300 | 3450 | 122 | 127 | 18,3 | 18,5 |
| *Special request* | 900 | 35,4 | 4100 | 4300 | 116 | 121 | 19,1 | 19,2 |
| **Standard** | 1050 | 41,8 | 4650 | 4900 | 111 | 117 | 19,5 | 19,7 |
| *Special request* | 1200 | 48,4 | 5150 | 5400 | 106 | 112 | 19,9 | 20,0 |

## ITEM SPECIFICATIONS

| Description | Item code | mA | W per lamp | Lm/W | CRI (typ.) | UGR | Pf | Safety class |
|---|---|---|---|---|---|---|---|---|
| Cortina 2L 3300Lm 3000K No dim | CAXX03MWX102 | 700 | 27,1 | 122 | 95 | 18.3 | 0.99 | II |
| Cortina 2L 3300Lm 3000K 1-10V & Push | CAXX03MWX302 | 700 | 27,1 | 122 | 95 | 18.3 | 0.95 | II |
| Cortina 2L 3300Lm 3000K Dali | CAXX03MWX202 | 700 | 27,1 | 122 | 95 | 18.3 | 0.95 | II |
| Cortina 2L 4650Lm 3000K No dim | CAXX03MWX402 | 1050 | 41,8 | 111 | 95 | 19.5 | 0.99 | II |
| Cortina 2L 4650Lm 3000K 1-10V & Push | CAXX03MWX602 | 1050 | 41,8 | 111 | 95 | 19.5 | 0.95 | I |
| Cortina 2L 4650Lm 3000K Dali | CAXX03MWX502 | 1050 | 41,8 | 111 | 95 | 19.5 | 0.95 | I |
| Cortina 2L 3450Lm 4000K No dim | CAXX03MWZF02 | 700 | 27,1 | 127 | 95 | 18.5 | 0.99 | II |
| Cortina 2L 3450Lm 4000K 1-10V & Push | CAXX03MWZH02 | 700 | 27,1 | 127 | 95 | 18.5 | 0.95 | II |
| Cortina 2L 3450Lm 4000K Dali | CAXX03MWZG02 | 700 | 27,1 | 127 | 95 | 18.5 | 0.95 | II |
| Cortina 2L 4900Lm 4000K No dim | CAXX03MWZJ02 | 1050 | 41,8 | 117 | 95 | 19.7 | 0.99 | II |
| Cortina 2L 4900Lm 4000K 1-10V & Push | CAXX03MWZL02 | 1050 | 41,8 | 117 | 95 | 19.7 | 0.95 | I |
| Cortina 2L 4900Lm 4000K Dali | CAXX03MWZK02 | 1050 | 41,8 | 117 | 95 | 19.7 | 0.95 | I |

All values are measured at 230V (+/- 7%).

CORTINA 2L 1720X100





Plus Ultra, Utrecht
Cortina

# Choose your LV lumen output

Max. driver setting
350mA


Strada 68


Strada 75


Strada 90


Fido 98


Fido 108


Fluxe 75


Fluxe 90


Fabio 75


Linea 75

Max. driver setting
500mA


Linea 120


Vector CL 145 [1]

Max. driver setting
650mA


Linea 185

CHOOSE YOUR

## CRI95 STANDARD

| | MA | W | LUMEN OUTPUT | | | LUMEN / WATT | | | DRIVER TYPES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | NO DIM | TRIAC | 1-10V&PUSH | DALI | CASAMBI |
| *Special request* | 125 | 4.5 | 700 | 725 | 750 | 155 | 161 | 166 | 127570 | x | x | x | x |
| *Special request* | 150 | 5.5 | 850 | 875 | 900 | 154 | 159 | 164 | CC21W150-500 | x | x | 142014 [2] | 142047 |
| *Special request* | 200 | 7.4 | 1125 | 1150 | 1175 | 152 | 156 | 159 | CC21W150-500 | on request | x | 142014 [2] | 142047 |
| **Standard** | 250 | 9.3 | 1350 | 1375 | 1425 | 145 | 148 | 153 | CC21W150-500 | on request | 125400 | 142014 [2] | 142047 |
| *Special request* | 300 | 11.3 | 1575 | 1625 | 1675 | 140 | 144 | 150 | 145192 | on request | 125400 | 142014 [2] | 142047 |
| *Special request* | 350 | 13.2 | 1825 | 1875 | 1925 | 138 | 142 | 145 | 145192 | EC25CA-E1ZHP | 125400 | 142014 [2] | 142047 |
| **Standard** | 400 | 15.2 | 2100 | 2150 | 2200 | 137 | 141 | 144 | 145192 | on request | 125400 | 142014 | 142047 |
| *Special request* | 450 | 17.3 | 2350 | 2400 | 2450 | 136 | 139 | 142 | 145192 | on request | 125400 | 142014 | 142047 |
| *Special request* | 500 | 19.3 | 2600 | 2625 | 2700 | 134 | 136 | 140 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| **Vector CL 145** | 500 | 19,3 | 2600 | 2625 | 2700 | 134 | 136 | 140 | 122198 | x | 125400 | 125403 [1] | x |
| *Special request* | 550 | 21,4 | 2825 | 2900 | 2975 | 132 | 135 | 139 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| *Special request* | 600 | 23,6 | 3050 | 3125 | 3200 | 130 | 132 | 136 | 145192 | on request | 126421 | 142014 | 142047 |
| **Standard** | 650 | 25,7 | 3175 | 3275 | 3375 | 124 | 127 | 131 | 145192 | on request | 126421 | 142014 | 142047 |

[1] For other current settings check the TCI website or ask our sales department. [2] Strada 75/90 and Fido 98/108: eldoLED ECO240A.

## CRI97 STANDARD

| | MA | W | LUMEN OUTPUT | | | LUMEN / WATT | | | DRIVER TYPES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | NO DIM | TRIAC | 1-10V&PUSH | DALI | CASAMBI |
| *Special request* | 125 | 5.0 | 475 | 500 | 525 | 95 | 100 | 105 | 127570 | x | x | x | x |
| *Special request* | 150 | 6.1 | 550 | 575 | 625 | 91 | 95 | 103 | CC21W150-500 | x | x | 142014 [2] | 142047 |
| *Special request* | 200 | 8,1 | 700 | 750 | 825 | 86 | 93 | 102 | CC21W150-500 | x | x | 142014 [2] | 142047 |
| *Special request* | 250 | 9.8 | 850 | 900 | 1000 | 87 | 92 | 102 | CC21W150-500 | x | 125400 | 142014 [2] | 142047 |
| *Special request* | 300 | 12.0 | 1050 | 1100 | 1200 | 88 | 92 | 100 | 145192 | x | 125400 | 142014 [2] | 142047 |
| **Standard** | 350 | 13.8 | 1150 | 1250 | 1350 | 83 | 91 | 98 | 145192 | EC25CA-E1ZHP | 125400 | 142014 [2] | 142047 |
| *Special request* | 400 | 15.8 | 1300 | 1425 | 1550 | 82 | 90 | 98 | 145192 | x | 125400 | 142014 | 142047 |
| *Special request* | 450 | 18.0 | 1475 | 1600 | 1750 | 82 | 89 | 97 | 145192 | x | 125400 | 142014 | 142047 |
| **Standard** | 500 | 20.1 | 1625 | 1800 | 1925 | 81 | 89 | 96 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| **Vector CL 145** | 500 | 20.1 | 1625 | 1800 | 1925 | 81 | 89 | 96 | 122198 | x | 125400 | 123403 [1] | x |
| *Special request* | 550 | 21.7 | 1750 | 1900 | 2050 | 80 | 87 | 94 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| *Special request* | 600 | 23.9 | 1900 | 2050 | 2225 | 80 | 86 | 93 | 145192 | x | 126421 | 142014 | 142047 |
| **Standard** | 650 | 26.0 | 2050 | 2250 | 2400 | 79 | 86 | 92 | 145192 | x | 126421 | 142014 | 142047 |

[1] For other current settings check the TCI website or ask our sales department. [2] Strada 75/90 and Fido 98/108: eldoLED ECO240A.

Max. driver setting
1200 mA


Fluxe 185


Strada 185


Strada 100


Strada 150


Linea DS-FS


Linea DS-F


Linea DS-FX


Linea DS-A

Max. driver setting
500mA


Vector CL 235


Cylinder CL 235

## CRI95 STANDARD

| | MA | W | LUMEN OUTPUT | | LUMEN / WATT | | DRIVER TYPES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | NO DIM | TRIAC | 1-10V&PUSH | DALI | CASAMBI |
| *Special request* | 250 | 9,4 | 1250 | 1275 | 133 | 136 | CC21W150-500 | on request | 125400 | 142014 | 142047 |
| *Special request* | 350 | 13,3 | 1725 | 1750 | 130 | 132 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| **Cylinder / Vector 235** | 500 | 19,4 | 2400 | 2500 | 124 | 129 | 145192 | 127032 | 125400 | 142014 | 142047 |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 129 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 | 145192 | EC25CA-E1ZHP | 126421 | 142014 | 142047 |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 | 145192 | on request | 151100 | 142014 | 142047 |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 | 145192 | on request | 151100 | 142014 | 142047 |
| *Special request* | 1050 | 44,1 | 4575 | 4850 | 104 | 110 | 145192 | on request | 151100 | 142014 | 142047 |
| **Standard** | 1200 | 51,3 | 5000 | 5300 | 97 | 103 | 127690 | **x** | ECO561A | ECO560A | **x** |

## CRI82 STANDARD

| | MA | W | LUMEN OUTPUT | | LUMEN / WATT | | DRIVER TYPES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | NO DIM | TRIAC | 1-10V&PUSH | DALI | CASAMBI |
| *Special request* | 250 | 9.2 | 1350 | 1400 | 147 | 152 | CC21W150-500 | on request | 125400 | 142014 | 142047 |
| *Special request* | 350 | 13.1 | 1850 | 1900 | 141 | 145 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| **Cylinder / Vector 235** | 500 | 19.4 | 2525 | 2600 | 130 | 134 | 145192 | 127032 | 125400 | 142014 | 142047 |
| *Special request* | 500 | 19.4 | 2525 | 2600 | 130 | 134 | 145192 | EC25CA-E1ZHP | 125400 | 142014 | 142047 |
| **Standard** | 700 | 27.9 | 3575 | 3650 | 128 | 131 | 145192 | EC25CA-E1ZHP | 126421 | 142014 | 142047 |
| *Special request* | 800 | 32.4 | 3825 | 4050 | 118 | 125 | 145192 | on request | 151100 | 142014 | 142047 |
| *Special request* | 900 | 36.8 | 4300 | 4500 | 117 | 122 | 145192 | on request | 151100 | 142014 | 142047 |
| *Special request* | 1050 | 43.7 | 4900 | 5100 | 112 | 117 | 145192 | on request | 151100 | 142014 | 142047 |
| **Standard** | 1200 | 51.2 | 5550 | 5800 | 108 | 113 | 127690 | **x** | ECO561A | ECO560A | **x** |

## Cortina 2L



Cortina 2L 595x595
620x620



Cortina 2L 1195x295



Cortina 2L 1720x100

| | MA | W | LUMEN OUTPUT | | LUMEN / WATT | | UGR | | DRIVER TYPES | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | 3000K | 4000K | NO DIM | 1-10V&PUSH | DALI | CASAMBI |
| *Special request* | 500 | 19,0 | 2500 | 2600 | 132 | 137 | 17,4 | 17,5 | 145192 | 125400 | 142014 | 142047 |
| **Standard** | 700 | 27,1 | 3300 | 3450 | 122 | 127 | 18,3 | 18,5 | 145192 | 126421 | 142014 | 142047 |
| *Special request* | 900 | 35,4 | 4100 | 4300 | 116 | 121 | 19,1 | 19,2 | 145192 | 151100 | 142014 | 142047 |
| **Standard** | 1050 | 41,8 | 4650 | 4900 | 111 | 117 | 19,5 | 19,7 | 145192 | ECO561A | 142014 | 142047 |
| *Special request* | 1200 | 48,4 | 5150 | 5400 | 106 | 112 | 19,9 | 20,0 | 127690 | ECO561A | ECO560A | x |

## Linessa 2L



Linessa 2L 595x595
620x620

| | MA | W | LUMEN OUTPUT | | LUMEN / WATT | | UGR | | DRIVER TYPES | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | 3000K | 4000K | NO DIM | 1-10V&PUSH | DALI |
| *Special request* | 350 | 16.6 | 2350 | 2450 | 142 | 148 | 12.6 | 12.8 | 127570 | 126421 | 142014 |
| **Standard** | 500 | 23.8 | 3300 | 3450 | 139 | 145 | 13.8 | 14.0 | 127570 | 126421 | 142014 |
| *Special request* | 600 | 28.6 | 3950 | 4100 | 138 | 143 | 14.4 | 14.6 | 127480N | 126421 | 142014 |
| **Standard** | 700 | 33.6 | 4550 | 4750 | 135 | 141 | 14.9 | 15.1 | 127480N | 126421 | 142014 |
| *Special request* | 900 | 43.5 | 5800 | 6000 | 133 | 138 | 15.8 | 15.9 | 122204 | ECO561A | ECO560A |
| *Special request* | 1050 | 51.0 | 6500 | 6750 | 127 | 132 | 16.2 | 16.3 | 122204 | ECO561A | ECO560A |

| MA | LM | DRIVER TYPES | |
|---|---|---|---|
| | 2700-6500K | DALI | CASAMBI |
| 2x350 | 1650 | x | x |
| 2x500 | 2350 | On request | On request |
| 2x600 | 2800 | On request | On request |
| 2x750 | 3450 | DL562/A | DL562/A-C |
| 2x900 | 4200 | On request | On request |
| 2x1050 | 4900 | On request | On request |

CHOOSE YOUR

# Trackspots



Odion XS

Max 1200mA

## CRI95 STANDARD

| | MA | W | LUMEN OUTPUT | | LUMEN / WATT | | DRIVER TYPES | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | NO DIM | TRIAC | DALI | CASAMBI |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 128 | GA-016 | On request | PRO-T61050N | GA |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 | GA-016 | On request | PRO-T61050N | GA |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 | GA-016 | On request | PRO-T61050N | GA |
| *Special request* | 900 | 37,0 | 4150 | 4400 | 112 | 119 | GA-016 | On request | PRO-T61050N | GA |
| *Special request* | 1050* | 44,1 | 4575 | 4850 | 104 | 110 | GA-016 | On request | PRO-T61050N | GA |
| *Special request* | 1200* | 51,3 | 5000 | 5300 | 97 | 103 | SC60W1100-1400CG | x | On request | On request |

*In shop windows we do not recommend using these settings due to the high temperatures

# Trackspots



Linea AS-XS

Max. 800mA

## CRI95 STANDARD

| | MA | W | LUMEN OUTPUT | | LUMEN / WATT | | DRIVER TYPES | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 4000K | 3000K | 4000K | NO DIM | TRIAC | DALI | CASAMBI |
| *Special request* | 500 | 19,4 | 2400 | 2500 | 124 | 128 | GA-016 | On request | PRO-T61050N | GA |
| **Standard** | 700 | 28,0 | 3300 | 3500 | 118 | 125 | GA-016 | On request | PRO-T61050N | GA |
| *Special request* | 800 | 32,5 | 3725 | 3950 | 115 | 122 | GA-016 | On request | PRO-T61050N | GA |

## 1 PSU 350 / 500 / 700 MA



**05CG / 05GG / 05MG**
TRIAC (TCI 122260)
- Max. 3 downlights (47Vf)



**05ZA / 05ZB / 05ZC**
DALI (TCI 142014)
- Max. 4 downlights (54Vf)



**05CH / 05GH / 05MH**
1-10V & Push (TCI 126421)
- Max. 4 downlights - 350mA (53Vf)
- Max. 4 downlights - 500mA (50Vf)
- Max. 3 downlights - 700mA (46Vf)



**05ZD / 05ZE / 05ZF**
Casambi (TCI 142047)
- Max. 4 downlights (54Vf)

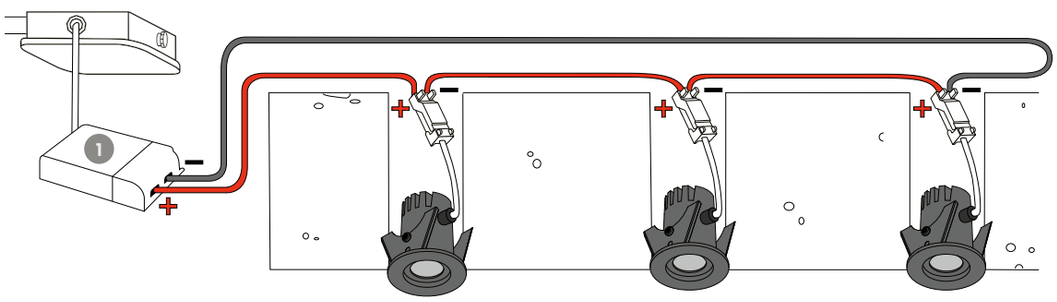


**05CM / 05GM / 05MM**
Dali 1-10V & Push (TCI 127413)
- Max. 6 downlights (72Vf)

# Central PSU for Mini downlights (mA)

## INSTALLATION DIMMABLE CENTRAL POWER SUPPLY

Downlight including AMP to connection box.




## DIMMABLE CENTRAL POWER SUPPLIES

**350mA** - 05CG03MLMD00 / 05ZA03MLMD00 / 05CH03MLMD00 / 05ZD03MLMD00 / 05CM03MLMD00
**500mA** - 05GG03MLME00 / 05ZB03MLME00 / 05GH03MLME00 / 05ZE03MLME00 / 05GM03MLME00
**700mA** - 05MG03MLMF00 / 05ZC03MLMF00 / 05MH03MLMF00 / 05ZF03MLMF00 / 05MM03MLMF00

## POWER SUPPLY UNITS CONSTANT CURRENT (mA)

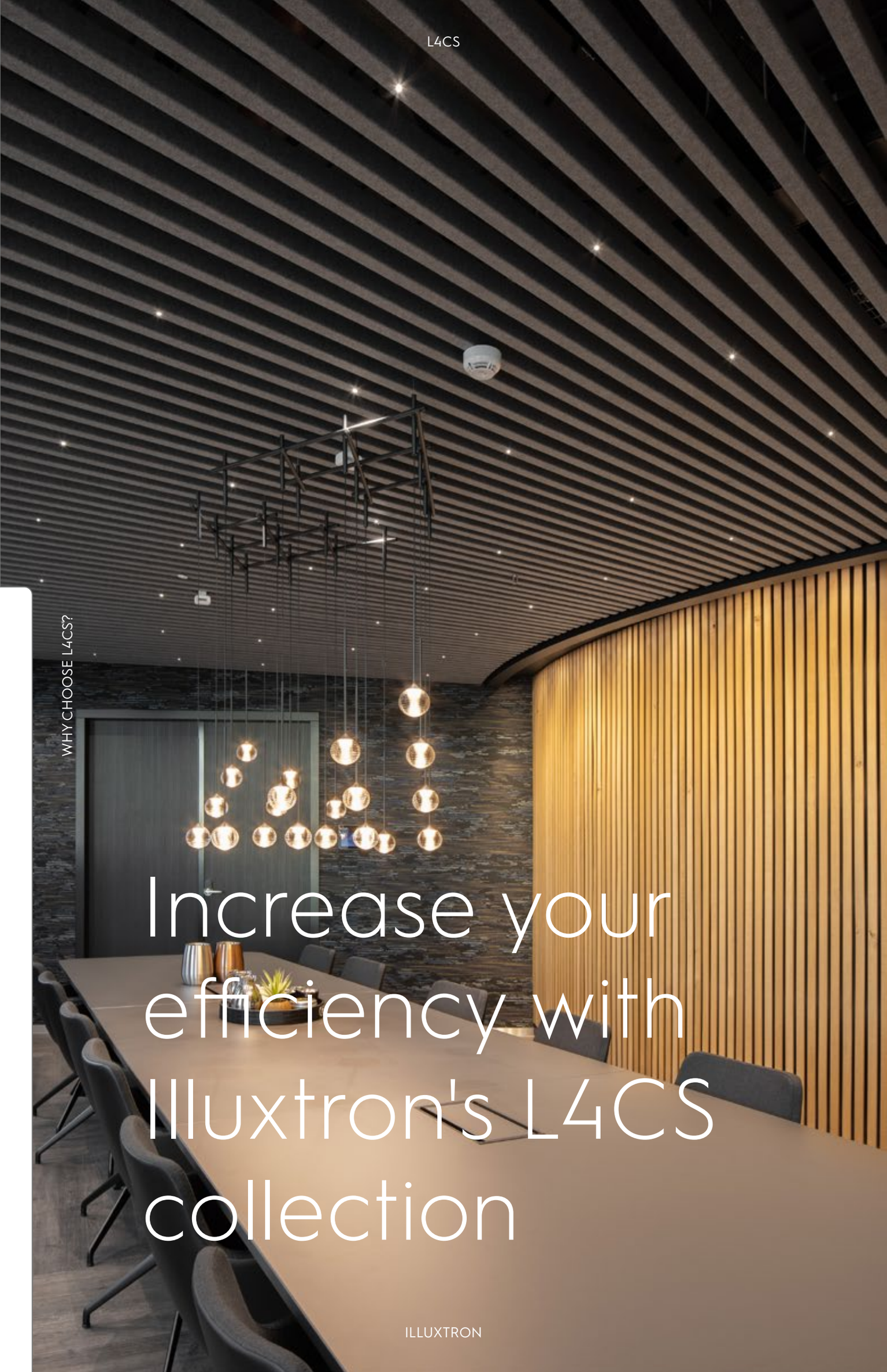
| Description | Item code | Watt | Current | Efficiency | Pf | Ripple | Input | Dimensions | Inrush current | B-16A Fuse |
|---|---|---|---|---|---|---|---|---|---|---|
| PSU 17W 350mA Triac | 05CG03MLMD00 | 17W (47Vf) | 350mA | 85% | 0.97 | <3% | 220-240V | 166x46x34 mm | 5A 50µS | 50 pcs |
| PSU 18W 350mA Dali | 05ZA03MLMD00 | 18W (54Vf) | 350mA | 89% | 0.95 | <3% | 220-240V | 147x43x22 mm | 5A 50µS | 50 pcs |
| PSU 18W 350mA 1-10V & Push | 05CH03MLMD00 | 18W (53Vf) | 350mA | 88% | 0.95 | <3% | 220-240V | 103x67x21 mm | 5A 50µS | 50 pcs |
| PSU 18.5W 350mA Casambi | 05ZD03MLMD00 | 18.5W (54Vf) | 350mA | 89% | 0.95 | <3% | 220-240V | 147x43x22 mm | 5A 50µS | 50 pcs |
| PSU 25W 350mA Dali / 1-10V & Push | 05CM03MLMD00 | 25W (74Vf) | 350mA | 89% | 0.95 | <3% | 220-240V | 124x79x22 mm | 10A 200µS | 30 pcs |
| PSU 24W 500mA Triac | 05GG03MLME00 | 24W (47Vf) | 500mA | 85% | 0.97 | <3% | 220-240V | 166x46x34 mm | 5A 50µS | 50 pcs |
| PSU 27W 500mA Dali | 05ZB03MLME00 | 27W (54Vf) | 500mA | 89% | 0.95 | <3% | 220-240V | 147x43x22 mm | 5A 50µS | 50 pcs |
| PSU 25W 500mA 1-10V & Push | 05GH03MLME00 | 25W (50Vf) | 500mA | 88% | 0.95 | <3% | 220-240V | 103x67x21 mm | 5A 50µS | 50 pcs |
| PSU 27W 500mA Casambi | 05ZE03MLME00 | 27W (54Vf) | 500mA | 89% | 0.95 | <3% | 220-240V | 147x43x22 mm | 5A 50µS | 50 pcs |
| PSU 35W 500mA Dali / 1-10V & Push | 05GM03MLME00 | 35W (72Vf) | 500mA | 89% | 0.95 | <3% | 220-240V | 124x79x22 mm | 10A 200µS | 30 pcs |
| PSU 32W 700mA Triac | 05MG03MLMF00 | 32W (46Vf) | 700mA | 85% | 0.97 | <3% | 220-240V | 166x46x34 mm | 5A 50µS | 50 pcs |
| PSU 38W 700mA Dali | 05ZC03MLMF00 | 38W (54Vf) | 700mA | 89% | 0.95 | <3% | 220-240V | 147x43x22 mm | 5A 50µS | 50 pcs |
| PSU 32W 700mA 1-10V & Push | 05MH03MLMF00 | 32W (46Vf) | 700mA | 88% | 0.95 | <3% | 220-240V | 103x67x21 mm | 5A 50µS | 50 pcs |
| PSU 36W 700mA Casambi | 05ZF03MLMF00 | 36W (51Vf) | 700mA | 89% | 0.95 | <3% | 220-240V | 147x43x22 mm | 5A 50µS | 50 pcs |
| PSU 50W 700mA Dali / 1-10V & Push | 05MM03MLMF00 | 50W (72Vf) | 700mA | 89% | 0.95 | <3% | 220-240V | 124x79x22 mm | 10A 200µS | 30 pcs |

L4CS
Lighting for Ceiling Solutions

# Lighting for ceiling solutions



ILLUXTRON



WHY CHOOSE L4CS?

# Increase your efficiency with Illuxtron's L4CS collection

# Why choose L4CS?

## PLUG-AND-PLAY

Thanks to the innovative plug-and-play cable system, installation in accordance with the norms is surprisingly easy.  Installation of the lighting can now be done by the same parties who also install the ceiling.



## EFFICIENT PROJECT PLANNING

If the ceiling installer also installs the lighting, this will result in a faster, more efficient installation process without interruptions.



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**Vessper 1090**
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## Multiple downlights to 1 driver page 162



**Strada 75**
164



**Strada 90**
166



**Strada 100**
168



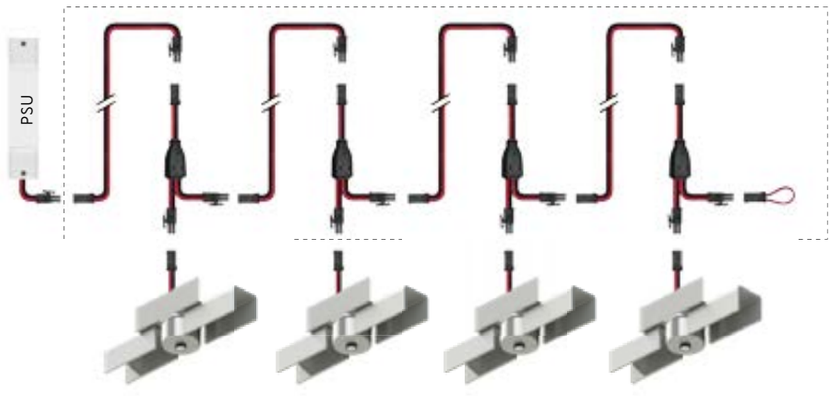
**Linea 75**
170



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172



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174



# Felta





## PROJECT AFAS 2021

**Product:** 8000 pcs Felta
**In cooperation with:** Less Energy
**Ceiling:** Hunter Douglas, Inteco

# There are various options for different ceilings







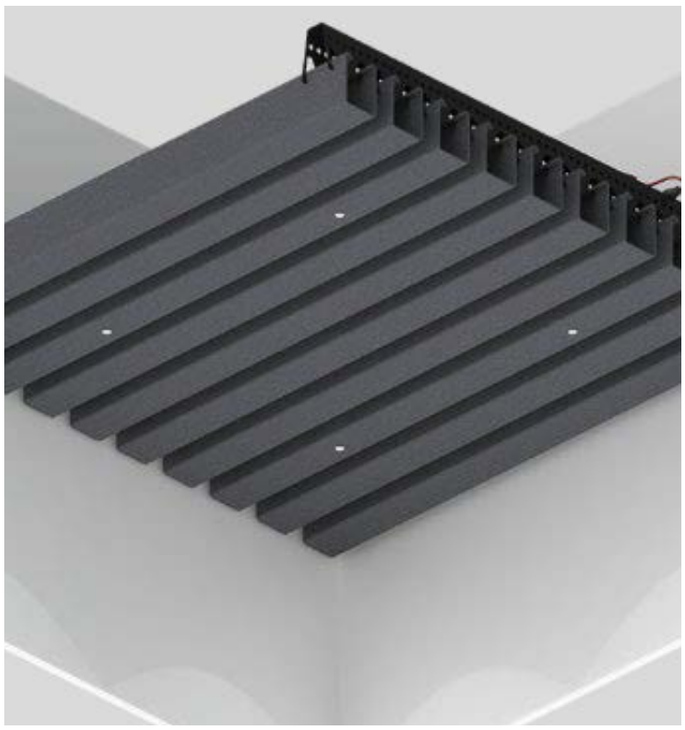


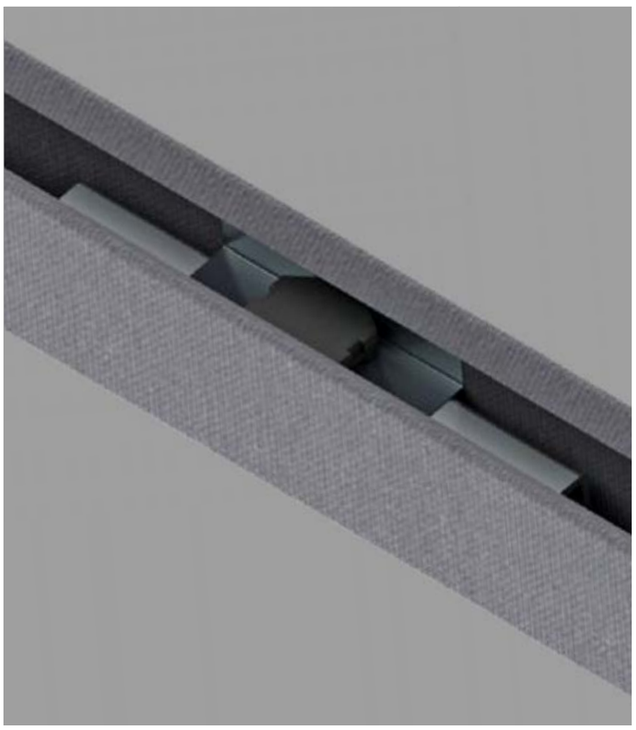



## FELTA

This version is designed for integration into the TEXTILE Heartfelt® linear system. Only the tube of the optics extends through a hole in the panel's felt, making the rest of the luminaire completely invisible. The top bracket provides additional cooling and ensures that the optics are securely positioned within the hole.

Approved by
HunterDouglas





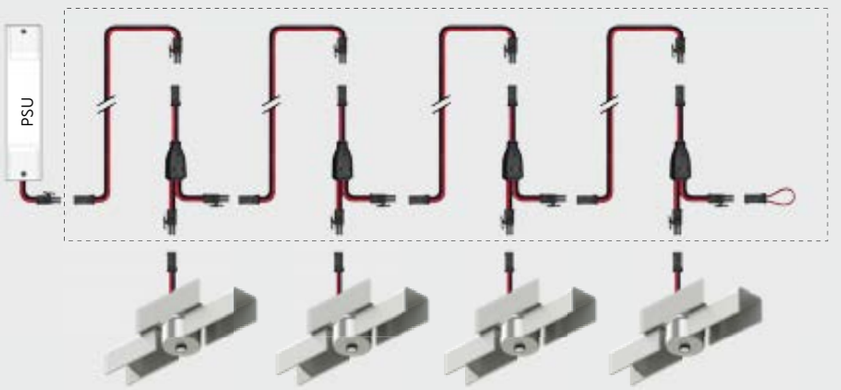


L4CS Lighting for Ceiling Solutions.

Bartenbach lighting optics



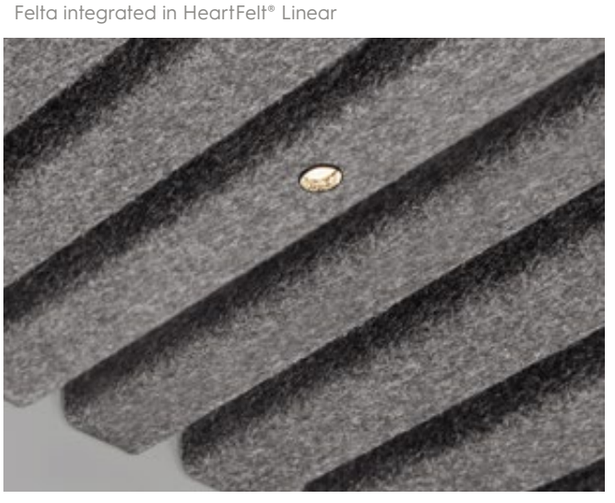
Developed in cooperation with HunterDouglas



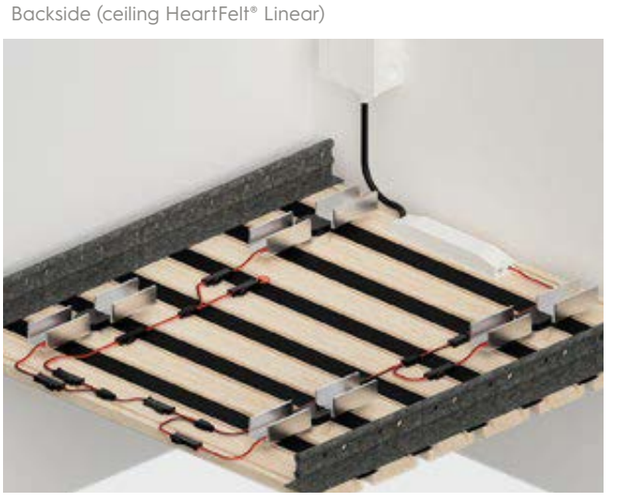



## APPLICATION

Felta integrated in HeartFelt® Linear



Backside (ceiling HeartFelt® Linear)

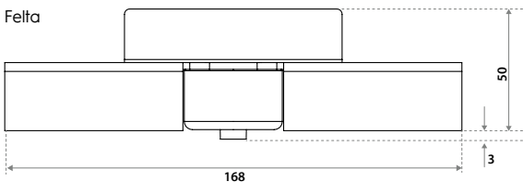


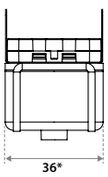
# Felta (4 spots to 1 driver)



## DIMENSIONS

Felta




*Also available with 27,8mm. Ask our MIYO department.

## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 1 spot | | 4 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | KGP No dim | KGP Dali | TCI Casambi |
| Special | 350 | 11,2 | 3,9 | 44,8 | 15,6 | 225 | 250 | 275 | 57 | 64 | 70 | CC36W150-900 | CC36W150-900 | 142047 |
| Special | 500 | 11,4 | 5,7 | 45,6 | 22,8 | 375 | 400 | 425 | 66 | 70 | 75 | CC36W150-900 | CC36W150-900 | 142047 |
| **Standard** | 700 | 11,7 | 8,2 | 46,8 | 32,8 | 475 | 525 | 575 | 58 | 64 | 70 | CC36W150-900 | CC36W150-900 | 142047 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle** | 60° (35° on request) |
| **Fixture material** | Solid aluminium |
| **Environment** | Indoor |
| **UGR** | <10* |
| **IK rate** | IK09 |
| **IP rate** | IP20 |
| **Operating temperature** | -20 / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **Colour consistency** | MacAdam step 3 |
| **Warranty** | 7 years |

EU 874/2012

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

* This luminaire is glare free because the Light Emitting Surface is completely integrated behind the tube opening. According to the CIE 147-2002 norms it is not possible to calculate a reliable UGR value for this kind of optical solution.

IP20 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

## ITEM SPECIFICATIONS

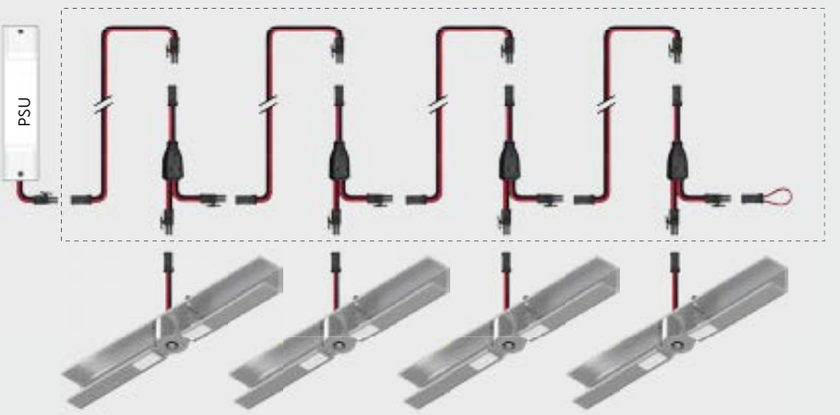
| Description | Item code | Input | Vf | W per lamp | Lm | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|
| **Felta L4CS max 475 Lm 2700K 60°** | FL3X03AL27E2 | max 700mA | 11,7 | 8,2 | 475 | 58 | 93 | III |
| **Felta L4CS max 525 Lm 3000K 60°** | FL3X03AL30E2 | max 700mA | 11,7 | 8,2 | 525 | 64 | 93 | III |
| **Felta L4CS max 575 Lm 4000K 60°** | FL3X03AL40E2 | max 700mA | 11,7 | 8,2 | 575 | 70 | 93 | III |

All values are measured at 230V (+/- 7%).

L4CS Lighting for Ceiling Solutions.

Bartenbach lighting optics

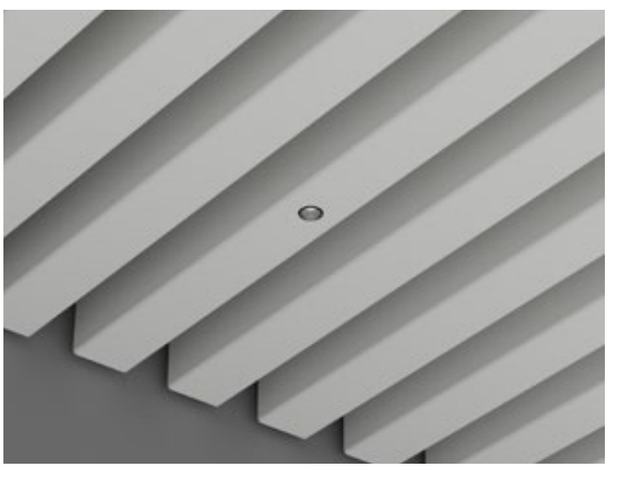







## APPLICATION

Ferro integrated in a SAPP ceiling.

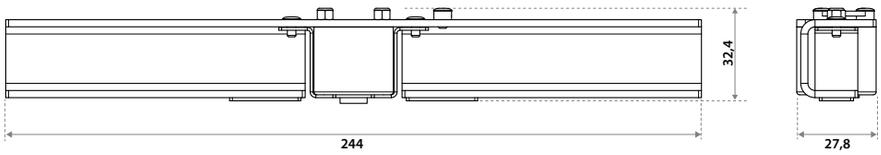


The Ferro can be installed in any other metal plate.

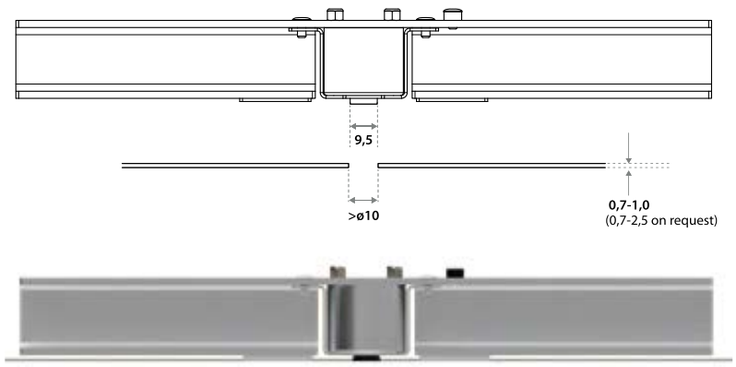


# Ferro (4 spots to 1 driver)

## DIMENSIONS




## CUT-OUT




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 1 spot | | 4 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | KGP No dim | KGP Dali | TCI Casambi |
| Special | 350 | 11,2 | 3,9 | 44,8 | 15,6 | 225 | 250 | 275 | 57 | 64 | 70 | CC36W150-900 | CC36W150-900 | 142047 |
| Special | 500 | 11,4 | 5,7 | 45,6 | 22,8 | 375 | 400 | 425 | 66 | 70 | 75 | CC36W150-900 | CC36W150-900 | 142047 |
| **Standard** | 700 | 11,7 | 8,2 | 46,8 | 32,8 | 475 | 525 | 575 | 58 | 64 | 70 | CC36W150-900 | CC36W150-900 | 142047 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle** | 60° (35° on request) |
| **Fixture material** | Solid aluminium |
| **Environment** | Indoor |
| **UGR** | <10* |
| **IK rate** | IK09 |
| **IP rate** | IP20 |
| **Operating temperature** | -20 / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **Colour consistency** | MacAdam step 3 |
| **Warranty** | 7 years |

EU 874/2012

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

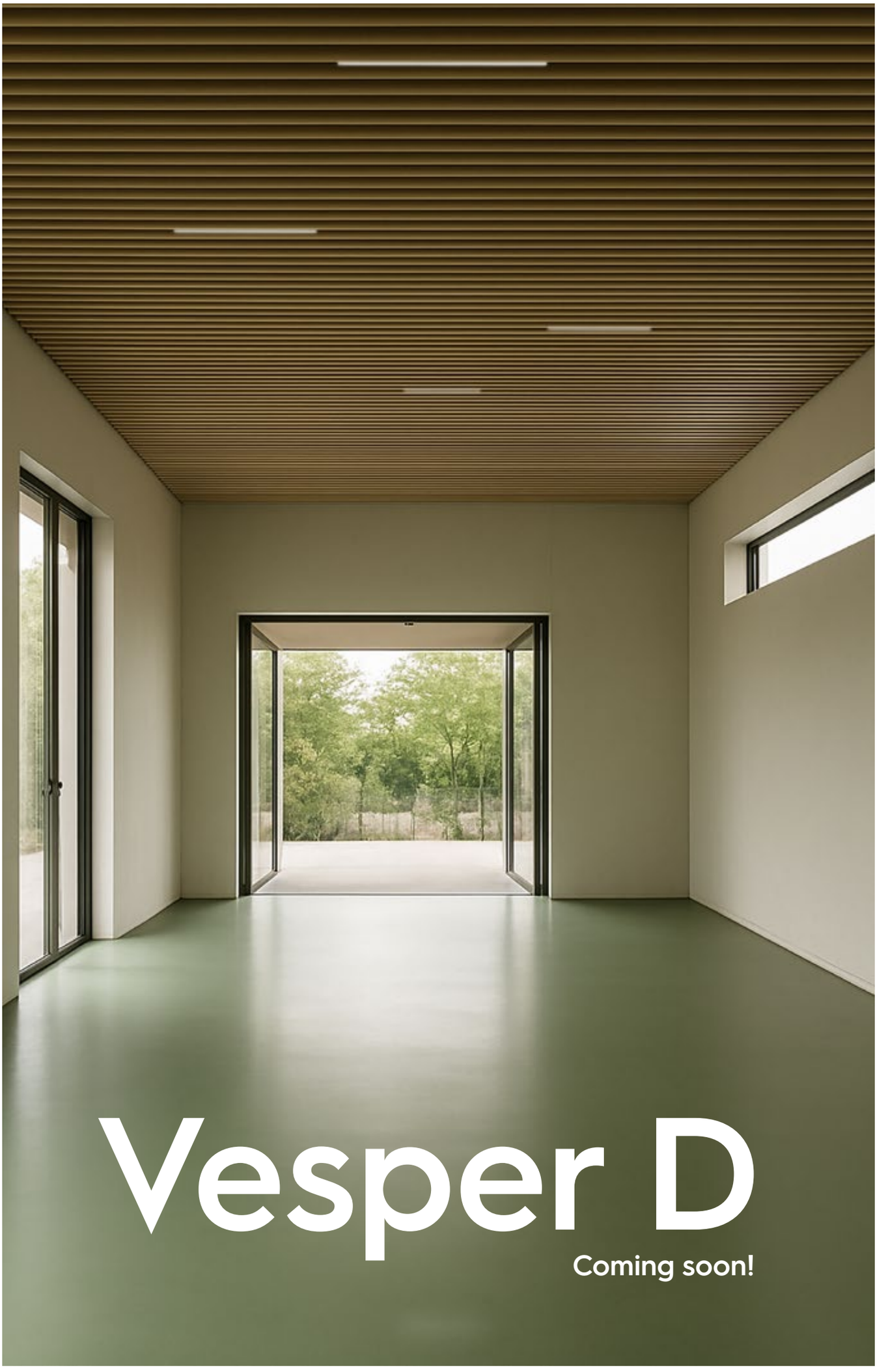
* This luminaire is glare free because the Light Emitting Surface is completely integrated behind the tube opening. According to the CIE 147-2002 norms it is not possible to calculate a reliable UGR value for this kind of optical solution.

IP20 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

## ITEM SPECIFICATIONS

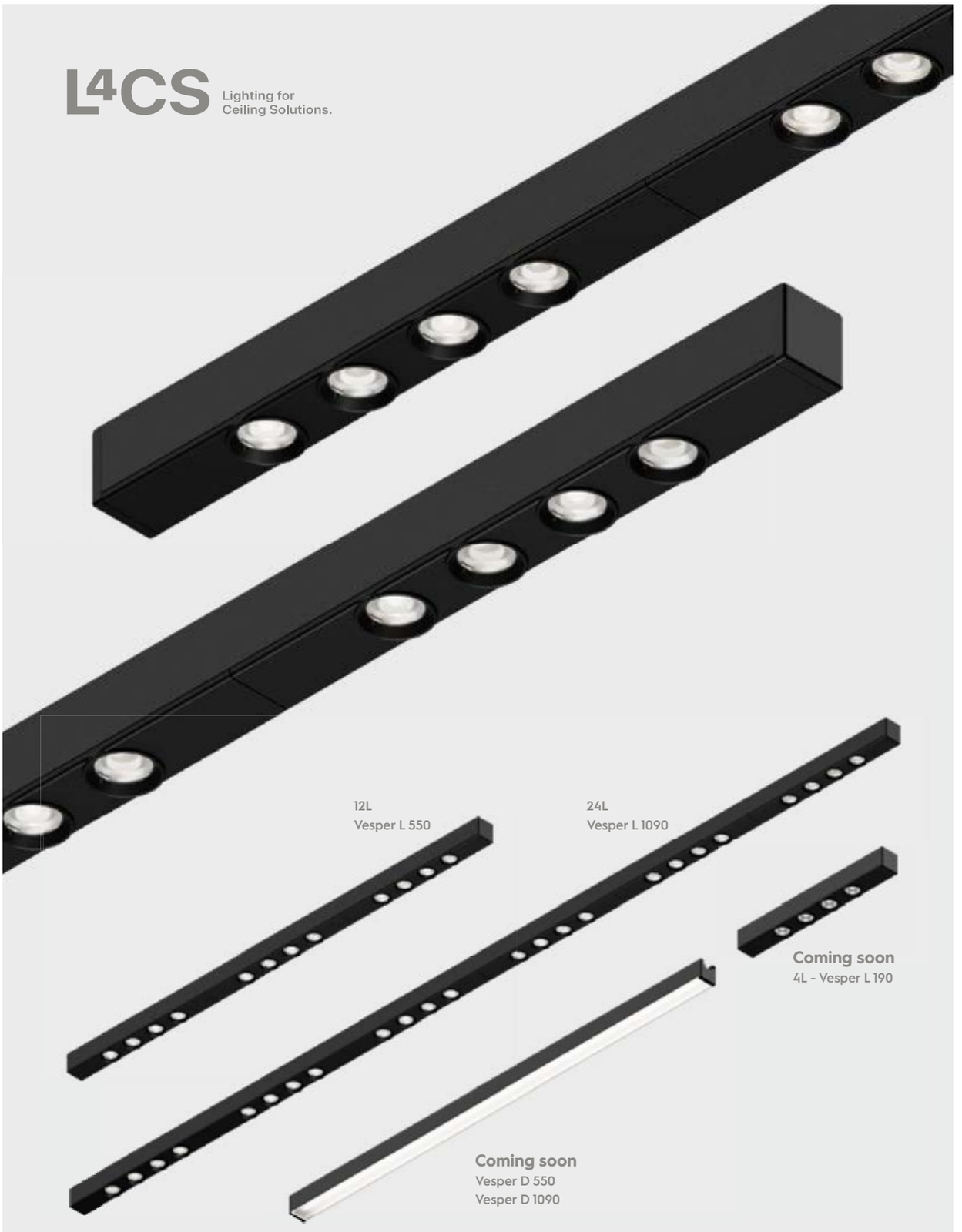
| Description | Item code | Input | Vf | W per lamp | Lm | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|
| **Ferro L4CS max** 475 **Lm 2700K 60°** | FR3X03AL27E2 | max 700mA | 11,7 | 8,2 | 475 | 58 | 93 | III |
| **Ferro L4CS max** 525 **Lm 3000K 60°** | FR3X03AL30E2 | max 700mA | 11,7 | 8,2 | 525 | 64 | 93 | III |
| **Ferro L4CS max** 575 **Lm 4000K 60°** | FR3X03AL40E2 | max 700mA | 11,7 | 8,2 | 575 | 70 | 93 | III |

All values are measured at 230V (+/- 7%).


Vesper D
Coming soon!

# Vesper L

L4CS Lighting for Ceiling Solutions.



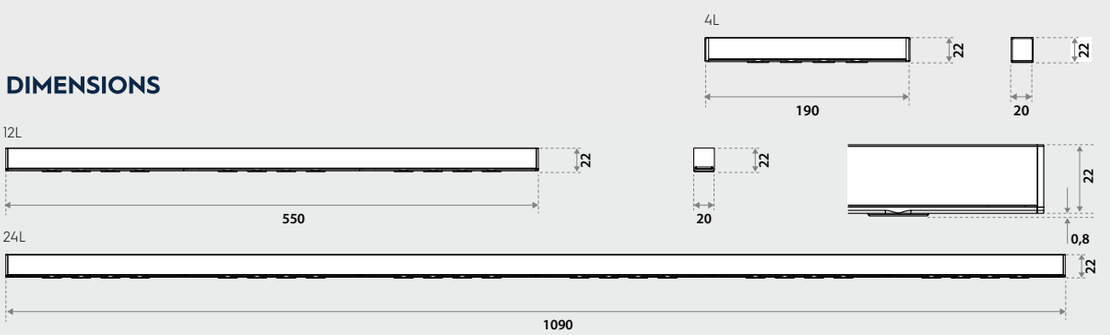
12L
Vesper L 550

24L
Vesper L 1090

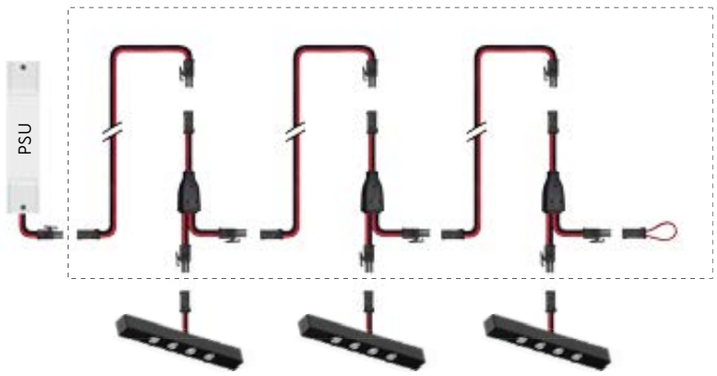
**Coming soon**
4L - Vesper L 190

**Coming soon**
Vesper D 550
Vesper D 1090

## DIMENSIONS



# Vesper L (3 spots to 1 driver)




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | Lumen / Watt | | UGR | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 3000K | 4000K | 3000K | 4000K | 3000K | 4000K | No dim | Dali |
| **Vesper 550** | | | | | | | | | | | |
| **Standard** | 1050 | 53,7 | 56,4 | 2075 | 2175 | 110 | 116 | 17.2 | 17.3 | 127568 | 126566 |
| Special request | 1200 | 54,6 | 65,5 | 2350 | 2450 | 108 | 112 | 17.6 | 17.8 | 127568 | 126566 |
| Special request | 1300 | 55,5 | 72,2 | 2525 | 2625 | 105 | 109 | 17.9 | 18 | 127568 | 126566 |
| **Standard** | 1400 | 55,8 | 78,1 | 2700 | 2800 | 104 | 108 | 18.1 | 18.2 | 127568 | 126566 |
| **Vesper 1090** | | | | | | | | | | | |
| **Standard** | 1050 | 53,1 | 55,8 | 2075 | 2175 | 112 | 117 | 14.8 | 14.9 | 127568 | 126566 |
| Special request | 1200 | 53,7 | 64,4 | 2350 | 2450 | 109 | 114 | 15.2 | 15.3 | 127568 | 126566 |
| Special request | 1300 | 54,6 | 71,0 | 2525 | 2625 | 107 | 111 | 15.5 | 15.6 | 127568 | 126566 |
| **Standard** | 1400 | 54,9 | 76,9 | 2700 | 2800 | 105 | 109 | 15.7 | 15.8 | 127568 | 126566 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle** | 50° (wider beam angle on request for non <UGR19 applications) |
| **Fixture material** | Housing: aluminium / front cover: ABS / lens: Polycarbonate |
| **Environment** | Indoor |
| **IK rate** | IK03 |
| **IP rate** | IP20 |
| **Operating temperature** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **Colour consistency** | MacAdam Step 3 |
| **Warranty** | 7 years |

EU 874/2012

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

IP20 · MADE IN HOLLAND · 7 YEAR WARRANTY · ECO

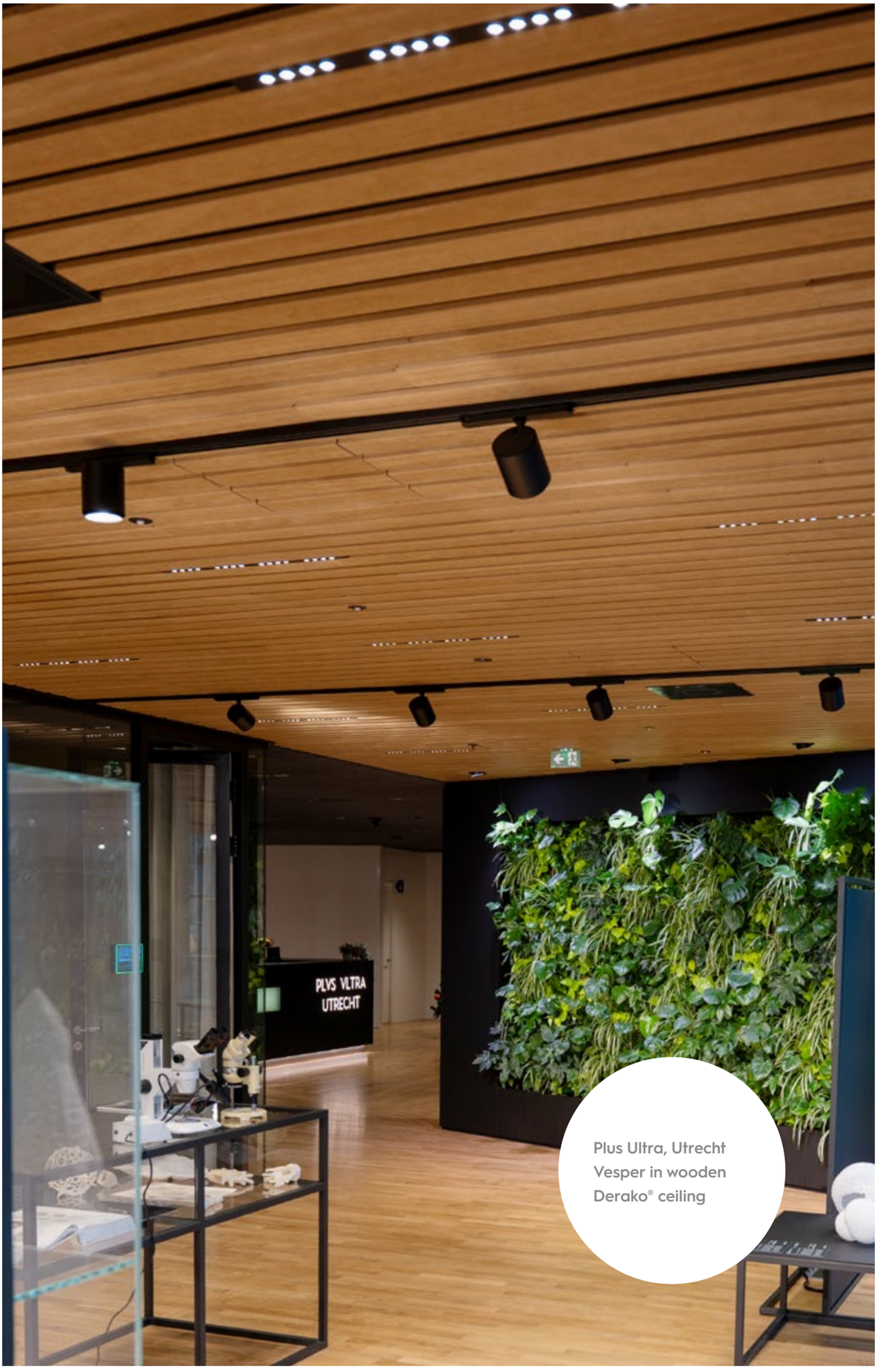
## ITEM SPECIFICATIONS

| Description | Item code | Input | Vf | W per lamp | Lm | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|
| **Vesper L 550 L4CS max 2700Lm 3000K 50°** | V10A03BL9SE2 | max 1400mA | 18,6 | 26.0 | 2700 | 104 | 93 | III |
| **Vesper L 550 L4CS max 2800Lm 4000K 50°** | V10B03BL9SE2 | max 1400mA | 18,6 | 26.0 | 2800 | 108 | 93 | III |
| **Vesper L 1090 L4CS max 2700Lm 3000K 50°** | V20A03BL9SE2 | max 1400mA | 18,3 | 25,6 | 2700 | 105 | 93 | III |
| **Vesper L 1090 L4CS max 2800Lm 4000K 50°** | V20B03BL9SE2 | max 1400mA | 18,3 | 25,6 | 2800 | 109 | 93 | III |

All values are measured at 230V (+/- 7%).








Plus Ultra, Utrecht
Vesper in wooden
Derako® ceiling

# Vesper 190, 550 & 1090 mounting options

More options and information can be found on the datasheet



**VESPER 190/550/1090**
**SPRING SYSTEM (SS)**

**Ceilings**
- Hunter Douglas 30BD
- Interalu SAPP
- Ecophon U30

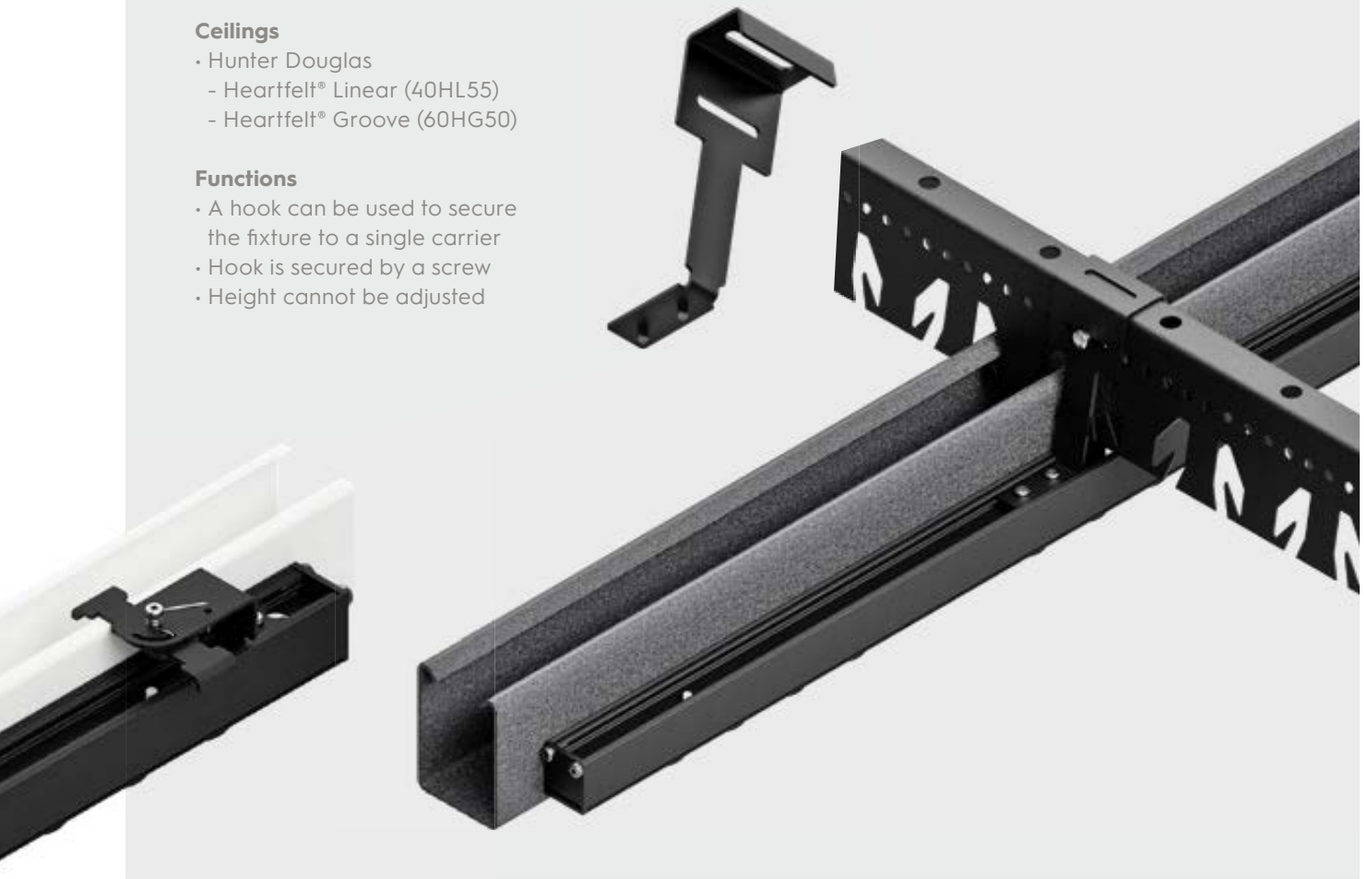
**Functions**
- Sliding mounting brackets with a folding spring mechanism
- Centration spacers for ceilings with a panel gap of 30mm are available
- Easy (dis)assembly after installation of ceiling panels
- Height cannot be adjusted



## VESPER 190/550
## 1 CARRIER (1C)

**Ceilings**
- Hunter Douglas
  - Heartfelt® Linear (40HL55)
  - Heartfelt® Groove (60HG50)

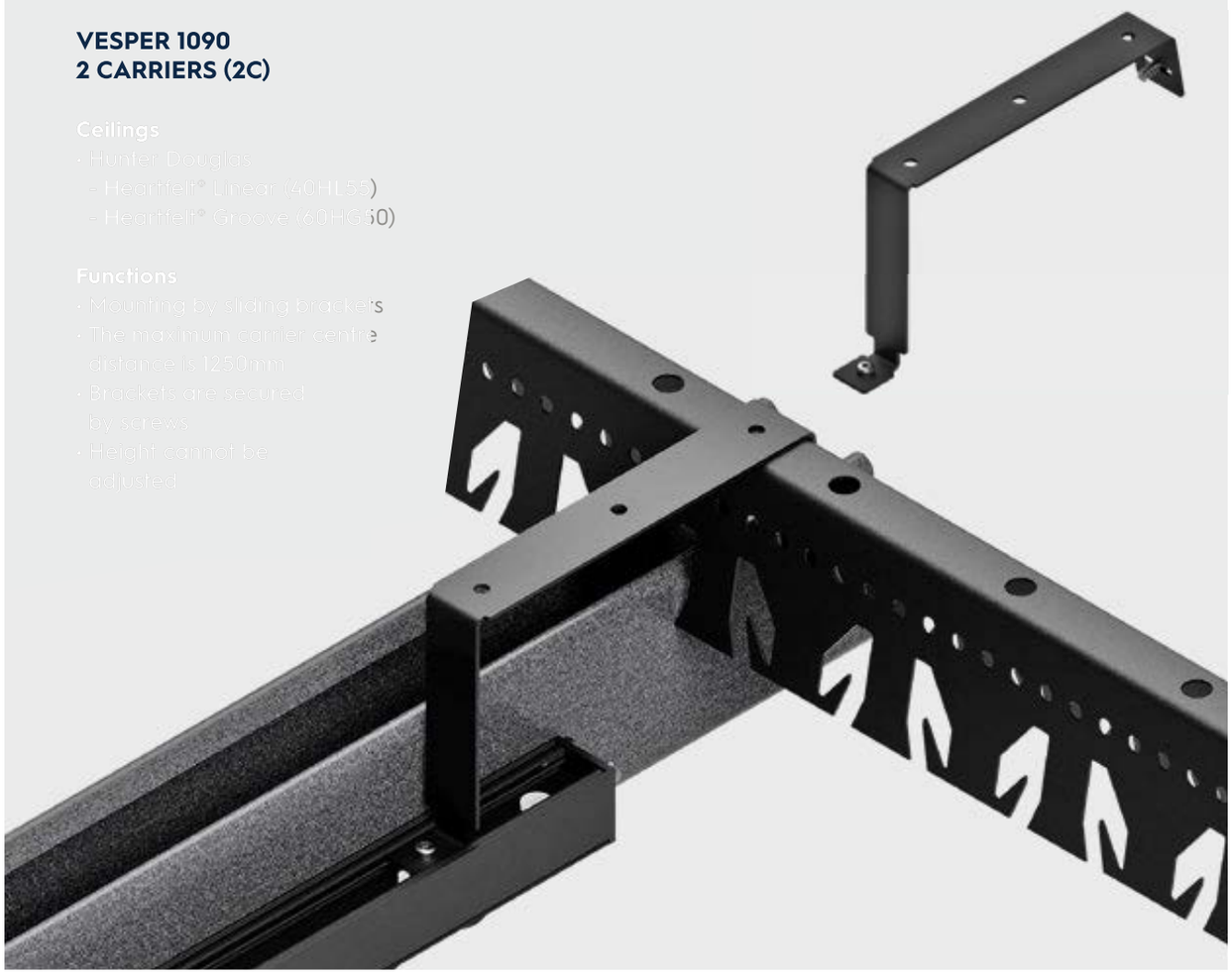
**Functions**
- A hook can be used to secure the fixture to a single carrier
- Hook is secured by a screw
- Height cannot be adjusted

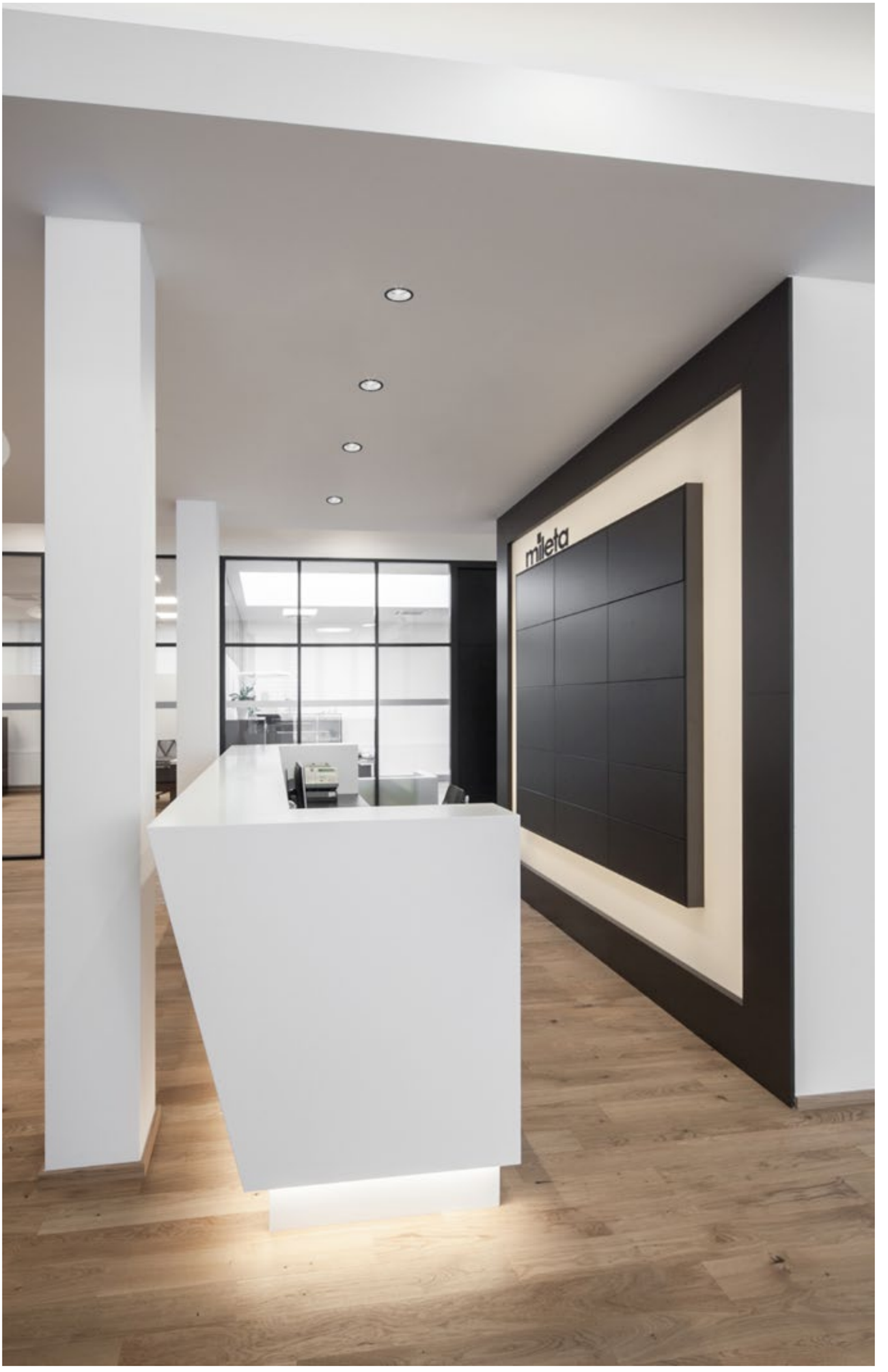


## VESPER 1090
## 2 CARRIERS (2C)

**Ceilings**
- Hunter Douglas
  - Heartfelt® Linear (40HL55)
  - Heartfelt® Groove (60HG50)

**Functions**
- Mounting by sliding brackets
- The maximum carrier centre distance is 1250mm
- Brackets are secured by screws
- Height cannot be adjusted








MULTIPLE DOWNLIGHTS TO 1 DRIVER





# L4CS

Lighting for Ceiling Solutions.




ø 81 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°



**Diffuser**
LV: 80°

## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016

## COLOURS (Deco ring)



Gold Silver Black White



Beige Bronze Green

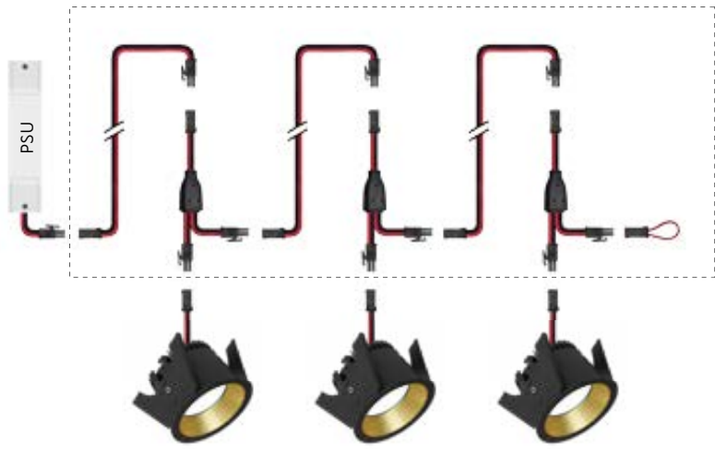
See all Strada colour options (XX) on page 84-85.

## SPRINGS

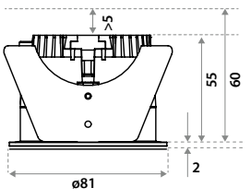


Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Strada 75 L4CS (3 spots to 1 driver)




## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | No dim | Dali |
| Special request | 350 | 49,5 | 17,3 | 800 | 850 | 900 | 139 | 147 | 156 | 127568 | 126566 |
| **Standard** | 500 | 50,4 | 25,2 | 1125 | 1200 | 1275 | 134 | 143 | 152 | 127568 | 126566 |
| Special request | 650 | 51,6 | 33,5 | 1400 | 1500 | 1600 | 125 | 134 | 143 | 127568 | 126566 |
| **Standard** | 800 | 52,8 | 42,2 | 1750 | 1850 | 1975 | 124 | 131 | 140 | 127568 | 126566 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | See the item specifications below |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

IP20 / IP44 · MADE IN HOLLAND · 7 YEAR WARRANTY · ECO

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

75 · 5-60 60

**Using CS springs:** Ø 75 mm.
Thickness ceiling 5-60 mm
& recess depth 60 mm.

77 · 1-55 60

**Using WS springs:** Ø 77 mm.
Thickness ceiling 1-55 mm
& recess depth 60 mm.

bridgelux

## ITEM SPECIFICATIONS

| Description | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| Strada 75 L4CS max 1750Lm 2700K CRI93 | 857A03XX4KE2 | 24.3 | 857A03XX4LE2 | 25.2 | 857A03XX4ME2 | 29.6 | 14,1 | 124 | 93 | III |
| Strada 75 L4CS max 1850Lm 3000K CRI93 | 857B03XX4KE2 | 24.5 | 857B03XX4LE2 | 25.3 | 857B03XX4ME2 | 29.8 | 14,1 | 131 | 93 | III |
| Strada 75 L4CS max 1975Lm 4000K CRI93 | 857E03XX4KE2 | 24.7 | 857E03XX4LE2 | 25.6 | 857E03XX4ME2 | 30.0 | 14,1 | 140 | 93 | III |

All values are measured at 230V (+/- 7%).

# L4CS

Lighting for Ceiling Solutions.



ø 105 mm

## BEAM ANGLE

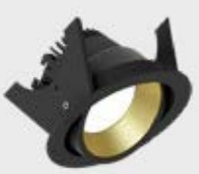


**Reflector**
LV: 24° / 60°



**Diffuser**
LV: 80°

## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016

## COLOURS (Deco ring)



Gold Silver Black White



Beige Bronze Green

See all Strada colour options (XX) on page 84-85.

## SPRINGS

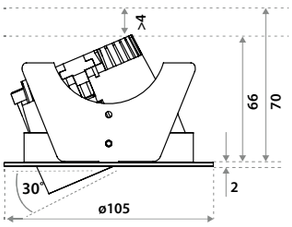


Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

# Strada 90 L4CS (3 spots to 1 driver)




## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | No dim | Dali |
| Special request | 350 | 49,5 | 17,3 | 800 | 850 | 900 | 139 | 147 | 156 | 127568 | 126566 |
| **Standard** | 500 | 50,4 | 25,2 | 1125 | 1200 | 1275 | 134 | 143 | 152 | 127568 | 126566 |
| Special request | 650 | 51,6 | 33,5 | 1400 | 1500 | 1600 | 125 | 134 | 143 | 127568 | 126566 |
| **Standard** | 800 | 52,8 | 42,2 | 1750 | 1850 | 1975 | 124 | 131 | 140 | 127568 | 126566 |





## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | See the item specifications below |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012




**Using CS springs:** Ø 90 mm.
Thickness ceiling 5-70 mm
& recess depth 70 mm.




**Using WS springs:** Ø 92 mm.
Thickness ceiling 1-50 mm
& recess depth 70 mm.

bridgelux

IP20 | MADE IN HOLLAND | 7 YEAR WARRANTY | ECO

For soft ceiling tiles we recommend using a wooden plate or a ceiling ring on the reverse side of the tile.

## ITEM SPECIFICATIONS

| Description | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| Strada 90 L4CS max 1750Lm 2700K CRI93 | 857C03XX4KE2 | 24.3 | 857C03XX4LE2 | 25.2 | 857C03XX4ME2 | 25.2 | 14,1 | 124 | 93 | III |
| Strada 90 L4CS max 1850Lm 3000K CRI93 | 857D03XX4KE2 | 24.5 | 857D03XX4LE2 | 25.3 | 857D03XX4ME2 | 25.3 | 14,1 | 131 | 93 | III |
| Strada 90 L4CS max 1975Lm 4000K CRI93 | 857F03XX4KE2 | 24.7 | 857F03XX4LE2 | 25.6 | 857F03XX4ME2 | 25.6 | 14,1 | 140 | 93 | III |

All values are measured at 230V (+/- 7%).

# L4CS

Lighting for
Ceiling Solutions.



ø 108 mm

## BEAM ANGLE



**Reflector**
LV: 18° / 37° / 60°



**Diffuser**
LV: 30°

## COLOURS



**Matt black**
RAL 9005



**Matt white**
RAL 9016




| Housing/ Deco ring | Item code | Housing/ Deco ring | Item code |
|---|---|---|---|
| White/Gold | XX=61 | Black/Gold | XX=71 |
| White/Silver | XX=63 | Black/Silver | XX=74 |
| White/Black | XX=62 | Black/Black | XX=72 |
| White/White | XX=65 | Black/White | XX=76 |

## SPRINGS

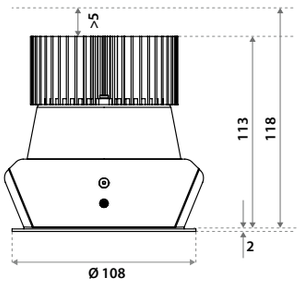


Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/ metal).

# Strada 100 L4CS (3 spots to 1 driver)




## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | No dim | Dali |
| Special request | 350 | 49,5 | 17,3 | 850 | 900 | 975 | 147 | 156 | 169 | 127568 | 126566 |
| **Standard** | 500 | 50,4 | 25,2 | 1175 | 1250 | 1350 | 140 | 149 | 161 | 127568 | 126566 |
| Special request | 650 | 51,6 | 33,5 | 1450 | 1550 | 1650 | 130 | 139 | 148 | 127568 | 126566 |
| **Standard** | 800 | 52,8 | 42,2 | 1750 | 1850 | 1975 | 124 | 131 | 140 | 127568 | 126566 |
| **Standard** | 1050 | 54,6 | 57,3 | 2250 | 2400 | 2575 | 118 | 126 | 135 | 127568 | 126566 |
| Special request | 1200 | 55,2 | 66,2 | 2500 | 2650 | 2825 | 113 | 120 | 128 | 127568 | 126566 |
| **Standard** | 1400 | 55,8 | 78,1 | 2775 | 2950 | 3150 | 107 | 113 | 121 | 127568 | 126566 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 18° / 37° / 60° / 80° |
| **Fixture material** | Die cast aluminium / Glass |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP44 |
| **IK rate** | IK09 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |
| **Safety class** | III |

**IP20**
**IP44**

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

100 to 102 | 5-118 118

**Using CS springs:** Ø 100 mm. Thickness ceiling 5-118 mm & recess depth 118 mm. For plasterboard ceilings or similar harder materials thicker than 9 mm.

100 to 102 | 1-55 118

**Using WS springs:** Ø 100 mm. Thickness 1-55 mm & recess depth 118 mm. For soft ceiling tiles. We recommend using a ceiling ring on the reverse side of the tile.

MADE IN HOLLAND | 7 YEAR WARRANTY | ECO | UGR <19

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## ITEM SPECIFICATIONS

| Description | 18° | | 37° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | Item code | UGR | | | |
| Strada 100 L4CS max 2775Lm 2700K | 854B03XX8TE2 | 18.5 | 854B03XX8UE2 | 18.0 | 854B03XX8VE2 | 21.0 | 854B03XXN6E2 | 29.1 | 25,3 | 107 | 93 |
| Strada 100 L4CS max 2950Lm 3000K | 854B03XXCAE2 | 18.7 | 854B03XXCBE2 | 18.2 | 854B03XXCCE2 | 21.2 | 854B03XXN7E2 | 29.4 | 25,3 | 113 | 93 |
| Strada 100 L4CS max 3150Lm 4000K | 854B03XXCDE2 | 18.9 | 854B03XXCEE2 | 18.4 | 854B03XXCFE2 | 21.4 | 854B03XXN8E2 | 29.6 | 25,3 | 121 | 93 |

All values are measured at 230V (+/- 7%).

# L4CS

Lighting for
Ceiling Solutions.



ø 90 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°



**Diffuser**
LV: 80°

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

## SPRINGS

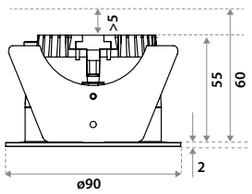


Standard with CS springs (concrete/gyproc).
Also available as above with
WS springs (gyproc/metal).

# Linea 75 L4CS (3 spots to 1 driver)




## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | No dim | Dali |
| Special request | 350 | 49,5 | 17,3 | 800 | 850 | 900 | 139 | 147 | 156 | 127568 | 126566 |
| **Standard** | 500 | 50,4 | 25,2 | 1125 | 1200 | 1275 | 134 | 143 | 152 | 127568 | 126566 |
| Special request | 650 | 51,6 | 33,5 | 1400 | 1500 | 1600 | 125 | 134 | 143 | 127568 | 126566 |
| **Standard** | 800 | 52,8 | 42,2 | 1750 | 1850 | 1975 | 124 | 131 | 140 | 127568 | 126566 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | See the item specifications below |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP65 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

IP20
IP65

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

Only when the product is installed in a closed ceiling may it be exposed to water splashes, and only on its front side.

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

75 5-60 60

**Using CS springs:** Ø 75 mm.
Thickness ceiling 5-60 mm
& recess depth 60 mm.

77 1-55 60

**Using WS springs:** Ø 77 mm.
Thickness ceiling 1-55 mm
& recess depth 60 mm.

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## ITEM SPECIFICATIONS

| Description | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| Linea 75 L4CS max 1750Lm 2700K CRI93 | 917A03XX4KE2 | 24.3 | 917A03XX4LE2 | 25.2 | 917A03XX4ME2 | 29.6 | 14,1 | 124 | 93 | III |
| Linea 75 L4CS max 1850Lm 3000K CRI93 | 917B03XX4KE2 | 24.5 | 917B03XX4LE2 | 25.3 | 917B03XX4ME2 | 29.8 | 14,1 | 131 | 93 | III |
| Linea 75 L4CS max 1975Lm 4000K CRI93 | 917E03XX4KE2 | 24.7 | 917E03XX4LE2 | 25.6 | 917E03XX4ME2 | 30.0 | 14,1 | 140 | 93 | III |

All values are measured at 230V (+/- 7%).

# L4CS

Lighting for
Ceiling Solutions.





ø 180 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°



**Diffuser**
LV: 80°

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

## SPRINGS

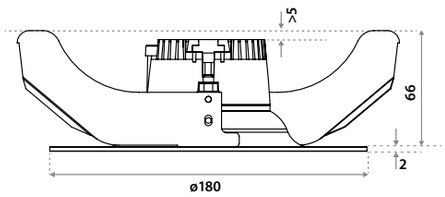


Standard with GS springs (concrete/gyproc).
Also available as above with
WS springs (gyproc/metal).

# Linea 120 L4CS (3 spots to 1 driver)




## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | No dim | Dali |
| Special request | 350 | 49,5 | 17,3 | 800 | 850 | 900 | 139 | 147 | 156 | 127568 | 126566 |
| **Standard** | 500 | 50,4 | 25,2 | 1125 | 1200 | 1275 | 134 | 143 | 152 | 127568 | 126566 |
| Special request | 650 | 51,6 | 33,5 | 1400 | 1500 | 1600 | 125 | 134 | 143 | 127568 | 126566 |
| **Standard** | 800 | 52,8 | 42,2 | 1750 | 1850 | 1975 | 124 | 131 | 140 | 127568 | 126566 |
| **Standard** | 1050 | 54,6 | 57,3 | 2250 | 2400 | 2575 | 118 | 126 | 135 | 127568 | 126566 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | See the item specifications below |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP65 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

IP20
IP65

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

Only when the product is installed in a closed ceiling may it be exposed to water splashes, and only on its front side.

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

120 to 165 | 8-70 70

**Using GS springs:** Ø 120-165 mm. Thickness ceiling 8-70 mm & recess depth 70 mm. For plasterboard ceilings or similar harder materials. Turn the ring on the front counterclockwise after installation.

120 to 145 | 1-35 70

**Using WS springs:** Ø 120-145 mm. Thickness ceiling 1-35 & recess depth 70 mm. For soft ceiling tiles. We recommend using a wooden plate or a ceiling ring on the reverse side of the tile.

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## ITEM SPECIFICATIONS

| Description | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| Linea 120 L4CS max 2250Lm 2700K CRI93 | 897A03XX2UE2 | 19.9 | 897A03XX2VE2 | 20.8 | 897A03XX2WE2 | 25.3 | 19,1 | 118 | 93 | III |
| Linea 120 L4CS max 2400Lm 3000K CRI93 | 897B03XX2UE2 | 20.2 | 897B03XX2VE2 | 21.0 | 897B03XX2WE2 | 25.5 | 19,1 | 126 | 93 | III |
| Linea 120 L4CS max 2575Lm 4000K CRI93 | 897E03XX2UE2 | 20.4 | 897E03XX2VE2 | 21.3 | 897E03XX2WE2 | 25.7 | 19,1 | 135 | 93 | III |

All values are measured at 230V (+/- 7%).

# L4CS

Lighting for
Ceiling Solutions.





ø 230 mm

## BEAM ANGLE



**Reflector**
LV: 24° / 60°



**Diffuser**
LV: 80°

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



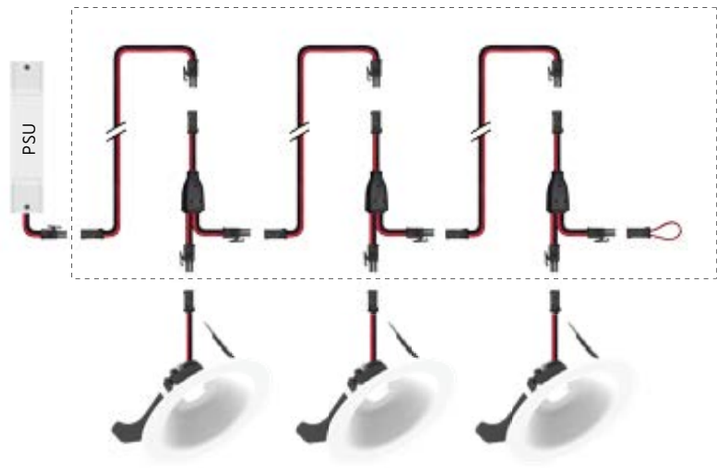
**Matt black**
RAL 9005 (XX=BL)

## SPRINGS

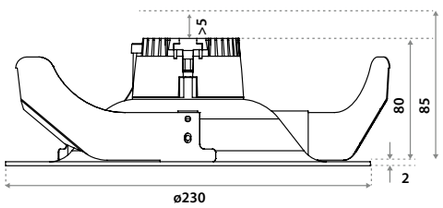


Standard with GS springs (concrete/gyproc).
Also available as above with
WS springs (gyproc/metal).

# Linea 185 L4CS (3 spots to 1 driver)




## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | 3 spots | | Lumen Output | | | Lumen / Watt | | | Advised PSU | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Vf | W | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | No dim | Dali |
| Special request | 350 | 49,5 | 17,3 | 800 | 850 | 900 | 139 | 147 | 156 | 127568 | 126566 |
| **Standard** | 500 | 50,4 | 25,2 | 1125 | 1200 | 1275 | 134 | 143 | 152 | 127568 | 126566 |
| Special request | 650 | 51,6 | 33,5 | 1400 | 1500 | 1600 | 125 | 134 | 143 | 127568 | 126566 |
| **Standard** | 800 | 52,8 | 42,2 | 1750 | 1850 | 1975 | 124 | 131 | 140 | 127568 | 126566 |
| **Standard** | 1050 | 54,6 | 57,3 | 2250 | 2400 | 2575 | 118 | 126 | 135 | 127568 | 126566 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | See the item specifications below |
| **Fixture material** | Housing: Die cast aluminium<br>Reflector glass: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 / IP65 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

bridgelux

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012




**Using GS springs:** Ø 170-175 mm. Thickness ceiling 8-85 mm & recess depth 85 mm. For plasterboard ceilings or similar harder materials. Turn the ring on the front counterclockwise after installation.




**Using WS springs:** Ø 180-210 mm. Thickness ceiling 1-35 & recess depth 85 mm. For soft ceiling tiles. We recommend taking down the ceiling tile before installing the product.




Only when the product is installed in a closed ceiling may it be exposed to water splashes, and only on its front side.

## ITEM SPECIFICATIONS

| Description | 24° | | 60° | | 80° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| **Linea 185 L4CS max 2250Lm 2700K CRI93** | 877A03XX2UE2 | 19.9 | 897A03XX2VE2 | 20.8 | 877A03XX2WE2 | 25.3 | 19,1 | 118 | 93 | III |
| **Linea 185 L4CS max 2400Lm 3000K CRI93** | 877B03XX2UE2 | 20.2 | 897B03XX2VE2 | 21.0 | 877B03XX2WE2 | 25.5 | 19,1 | 126 | 93 | III |
| **Linea 185 L4CS max 2575Lm 4000K CRI93** | 877E03XX2UE2 | 20.4 | 897E03XX2VE2 | 21.3 | 877E03XX2WE2 | 25.7 | 19,1 | 135 | 93 | III |

All values are measured at 230V (+/- 7%).







# **Installation** 4 spots to 1 driver

## **Step 1:** Choose your luminaire



**Felta**
148



**Groovy**
Coming soon



**Ligna**
Coming soon



**Ferro**
150





# **Step 2:** Choose your power supply



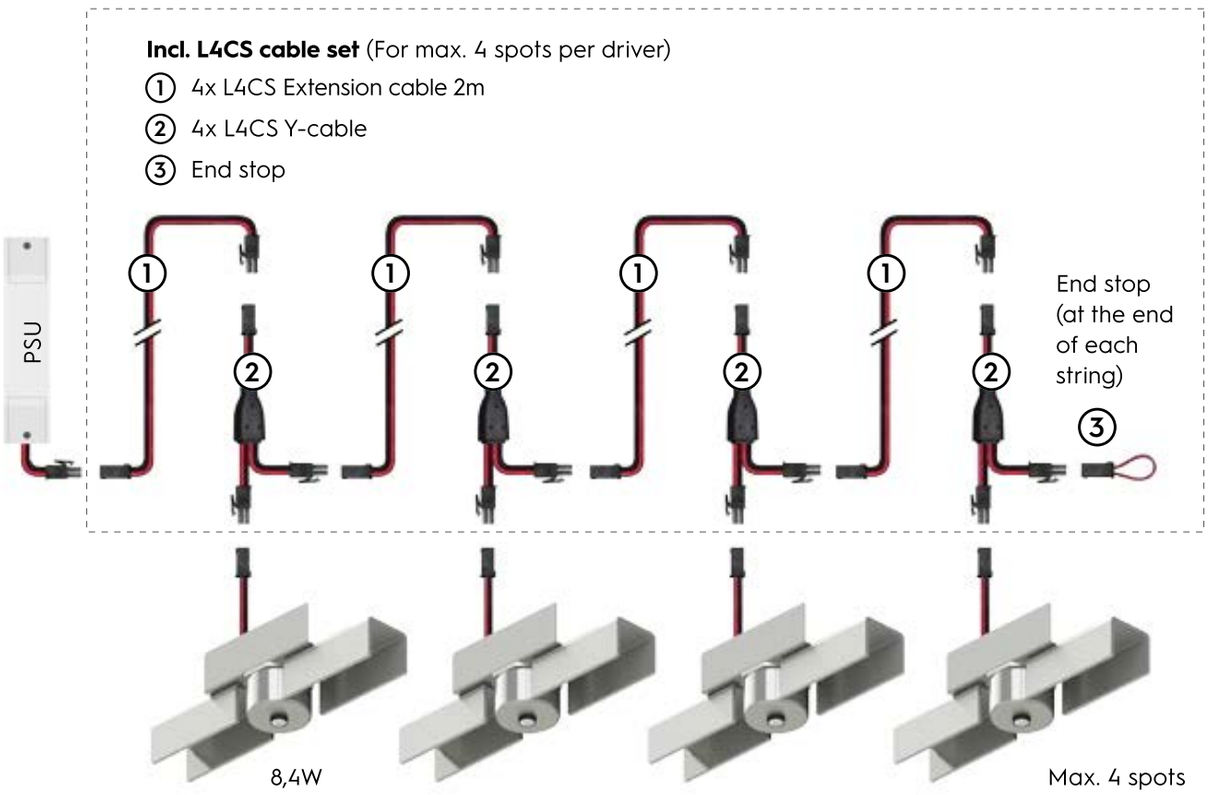
PSU 36W No dim
KGP CC36W150-900 NFC



PSU 36W Dali*
KGP CC36W150-900 NFC



PSU 38W Casambi
TCI 142047 NFC




## ITEM SPECIFICATIONS

| Driver types<br>Incl. L4CS cable set 4L | Supplier name | Item code | Input | Watt | Max mA | Max Vf | Pf | Eff | Inrush current | B-16A Fuse |
|---|---|---|---|---|---|---|---|---|---|---|
| **PSU 36W 700mA No-dim KGP** | CC36W150-900 | 05PH03MLMA04 | 220-240V AC/DC | 36W | 150-900 | 50 | >0.95 | 88% | 8,5A 16µS | 59 pcs |
| **PSU 36W 700mA Dali KGP *** | CC36W150-900 | 05PJ03MLMA04 | 220-240V AC/DC | 36W | 150-900 | 50 | >0.95 | 88% | 8,5A 16µS | 59 pcs |
| **PSU 38W 700mA Casambi TCI** | 142047 | 05ZF03MLMA04 | 220-240V AC/DC | 38W | 150-1050 | 54 | 0.95 | 89% | 5A 50µS | 50 pcs |

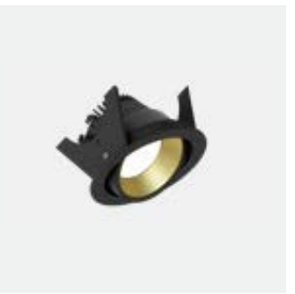
All values are measured at 230V (+/- 7%). * Dali is not suitable for the HV Distributor system.

# **Installation** 3 spots to 1 driver

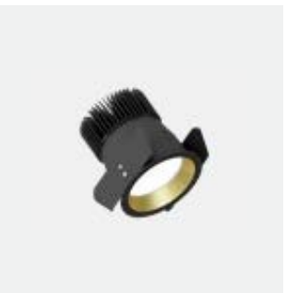
## **Step 1:** Choose your luminaire



**Strada 75**
40



**Strada 90**
42



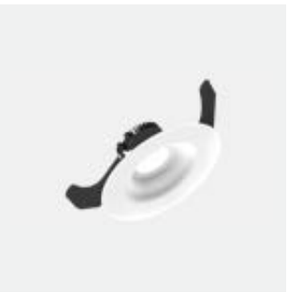
**Strada 100**
44



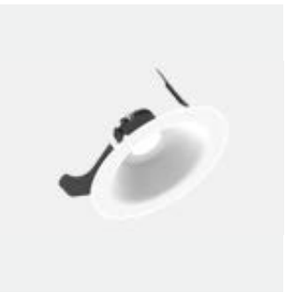
**Vesper 550**
34



**Linea 75**
50



**Linea 120**
52



**Linea 185**
54



**Vesper 1090**
34

# **Step 2:** Choose your power supply




PSU 78W No dim
TCI 127568




PSU 78W DaiT
TCI 126566

**Incl. L4CS cable set 2L/3L** (For max. 3 spots per driver)

① 2/3x L4CS Extension cable 2m

② 2/3x L4CS Y-cable

③ End stop




## ITEM SPECIFICATIONS

| Driver types | Supplier name | Item code | Input | W | Max mA | Max Vf | Pf | Eff | Inrush current | B-16A Fuse |
|---|---|---|---|---|---|---|---|---|---|---|
| PSU 78W 500mA No dim TCI + L4CS cable set 3L | 127568 | 05T103MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 500mA Dali TCI + L4CS cable set 3L | 126566 | 05S803MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 800mA No dim TCI + L4CS cable set 3L | 127568 | 05L703MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 800mA Dali TCI + L4CS cable set 3L | 126566 | 05L903MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 1050mA No dim TCI + L4CS cable set 3L | 127568 | 05M203MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 1050mA Dali TCI + L4CS cable set 3L | 126566 | 05M303MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 1400mA No dim TCI + L4CS cable set 3L | 127568 | 05L603MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |
| PSU 78W 1400mA Dali TCI + L4CS cable set 3L | 126566 | 05L803MLMA03 | 220-240V AC/DC | 78W | 350-1400 | 56 | 0.95 | >91% | 10A200µS | 30 pcs |

All values are measured at 230V (+/- 7%).

# Lighting for better health

# & performance

Light & Health

ILLUXTRON



BRAINLIT

# Focused on the health aspects of light

## INTEGRATIVE LIGHTING

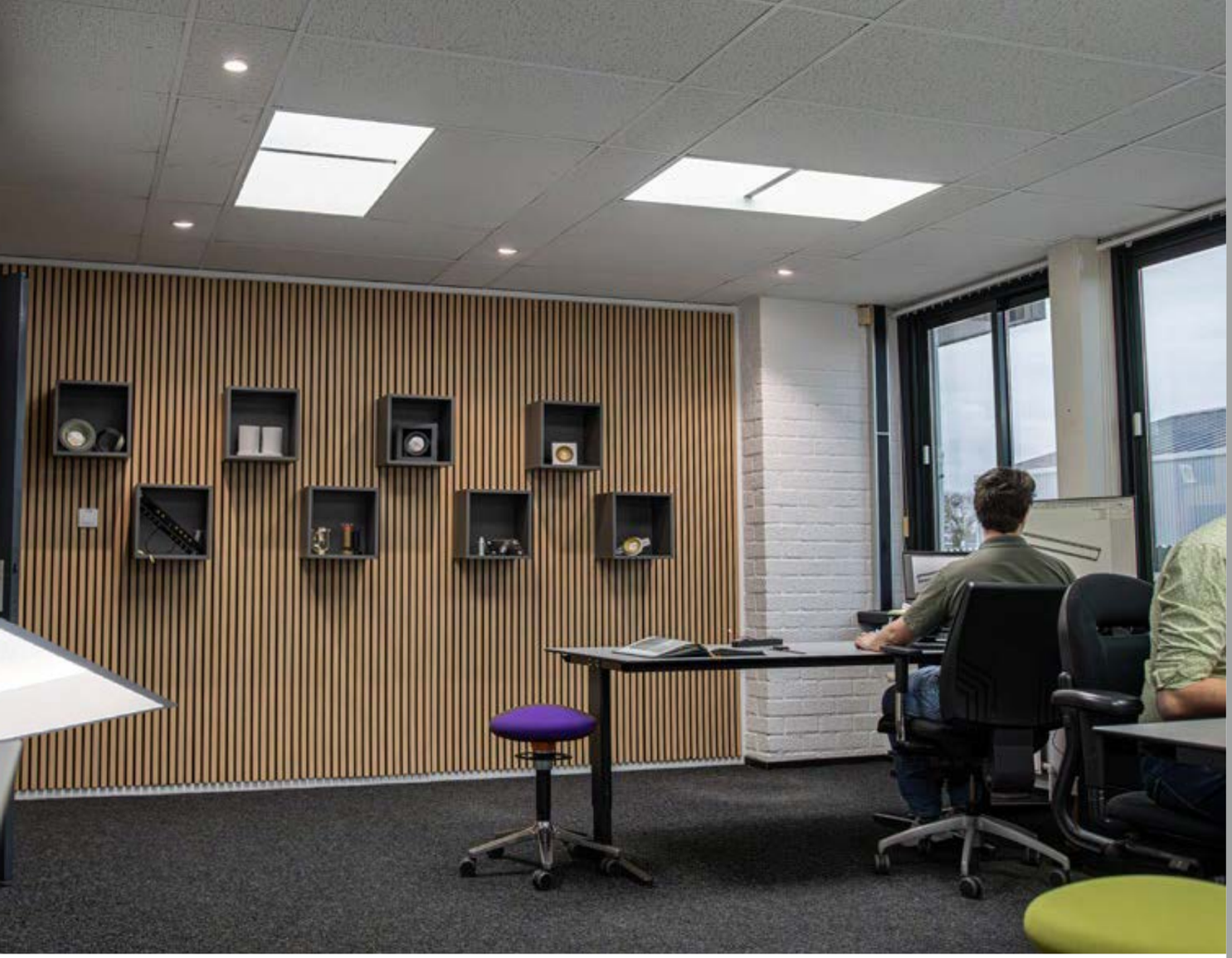
Light isn't just about the amount of lux you need to perform certain tasks. There is also a non-visual component of light that significantly influences your sleep and wake cycle, among other things. This is expressed in m-EDI.

The new standard states that we can only speak of a health impact if at least 250m-EDI is reached during certain parts of the day. Only then can we speak of integrative lighting.

Together with specialists who focus on top-level sports, Illuxtron is launching integrative lighting with m-EDI values of 1300 and higher. Many years of in-depth research into the circadian rhythm are translated into the best possible lighting plan.

Integrative lighting combines the visual and non-visual effects, and producing physiological benefits for humans..
If it meets all of these criteria we call it Biocentric Lighting (BCL® is a registered trademark of Brainlit).

| | Integrative lighting | |
|---|---|---|
| Traditional lighting | HCL | BCL® |
| *3000/4000K (LV)* | *2700-6500K (TW)*<br>*1800-16000K (PI-LED)*<br>**m-EDI= Not defined** | *2700-6500K (BCL® 2-CH)*<br>*1800-6500K (BCL® 3-CH))*<br>**m-EDI= >250** |





## WHY INTEGRATIVE LIGHTING?

Numerous studies over the past 20 years have agreed on the benefits of light for health:

- Better sleep
- Better performance
- Greater focus
- Improved immune system
- Reduced risk of burnout
- Minimise health risk: Obesity, Cancer, Dementia, etc.

## ADVANTAGES IN SPORTS

- Better overall health which leads to better performances
- Dedicated team support for games and tournaments (avoid jet lag and shift best performance time)
- Feedback loop for continuous improvement

## ADVANTAGES IN ELDERLY CARE

- Increased sleep length and efficiency
- Fewer naps during the day
- Less night-time bed wandering
- Symptom reduction of depressive disorder
- Fewer fall accidents in long-term care environments
- Better cognitive function

## ADVANTAGES IN OFFICES

- Productivity increase.
- Improved cognitive functions
- Accuracy improvement
- Better sleep.
- Feeling happier and more energised
- Reduced sick leave.

## EXTRA ADVANTAGES IN HOSPITALS AND HEALTH CARE ENVIRONMENTS

- Reduction of "Length of stay" (LOS) within health care
- Improved health and wellbeing for shift workers
- A special recipe is used for ICU (patient/ doctor/ nurse)

## INSTALLATION OF A BCL SYSTEM

All system components have a Wago plug and once connected, the components find each other automatically (even in case of a replacement of one of the components).
An HCL system typically requires an electrician and a DT8 integrator to verify proper operation. The same procedure should be followed if any of the components need to be replaced.

BRAINLIT

Energizing people





## SYSTEM HARDWARE

- A plug and play system built around standard protocols – DALI, IP/Ethernet, WiFi and Bluetooth
- Available interfaces to BMS, alarm systems and other controllers
- Wago plugs and battery-free switches & sensors ensure easy installation

## PROJECT HANDLING

- First light plan will be made by Brainlit
- Training of the lighting advisor so that he is able to do the next project himself
- Illuxtron delivers the certified luminaires incl. programmed drivers
- Brainlit delivers the controls and lightbox (containing the recipe and lighting plan)

## INVESTMENT AND PAYBACK TIME

According to a study by McKinsey, the investment in Biocentric lighting for offices is approximately 500-700€ per employee. The return is between 1.375-2.750€ per employee each year.

A healthy building only related to productivity, retention and improved well-being yields a net present value (NPV) of $21,172 per employee.

Scan this QR for the IWBI Special Report





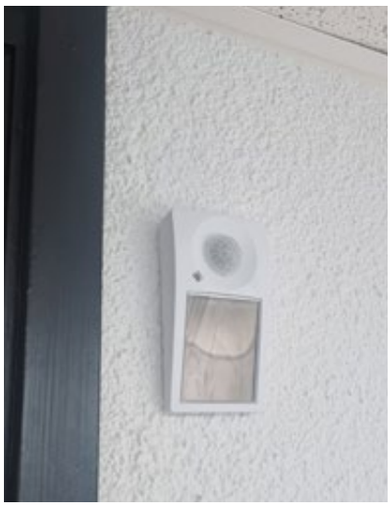
**An internal study after implementing BCL showed:**
- A payback time of 6 months
- Lower energy usage up to 25%

The goal of Brainlit is to have the same investment for a BCL installation as a normal Dali installation.

## RELEVANT NORMS

- ISO 8995-1 (Global norm released 31st 2025)
- LEED (North American norm for sustainable buildings)
- Well Building Standard (North American Standard to improve human health and well-being)
- BREEAM circadian demands (European norm with different levels for future-proof buildings)
- DIN/TS 67600 (Germany)

The most important norm for HCL is the Well Building Standard, which requires a mEDI value of 250. BCL exceeds all norms to deliver the greatest healthy impact by using a 2nd warmer group of lighting. This allows reaching higher circadian values (up to 1300 mEDI) while maintaining a comfortable lighting environment. The norms for HCL are behind the technological possibilities; it is expected that the norms will become stricter in the future.



BCL Wireless Motion Sensor




BCL Wireless Light and Recipe Switch

## ABOUT BRAINLIT

- Founded in 2012 by Tord Wingren, co-inventor of Bluetooth, and since 2022, led by CEO Kyle Harris, with the goal to be the global market leader for healthy light
- Large group of famous investors
- Representatives for the norm committees and in-house circadian specialists
- Holds 16 patent families in circadian lighting, personalised modulation, and UV-based health tech
- Certifying third-party hardware for plug-and-play use with BrainLit's light recipes
- 14 years of experience in improving technology
- 10 years of experience in realising projects around the globe (2021: 25.000 users of BCL technology)
- Supporting practically all the professional sports teams in the USA (Football, Baseball, NHL, etc.)
- Main office in Sweden with a subsidiary in North America

BRAINLIT



BCL Light Control Box

## ABBREVIATIONS

- **HCL:** Human Centric Lighting (Visual system, usually no focus on the health claims)
- **BCL:** Biocentric Lighting (Circadian based lighting plan to guarantee the healthy claims)
- **Lux:** Visual illuminance measured in lux on the work area (defined by a lighting plan)
- **mEDI:** Circadian impact power (equivalent of lux is Melanopic Equivalent Daylight Illuminance) measuring light absorption in the ipRGCs
- **CS:** "Circadian Stimulus" Circadian impact measuring blood stream melatonin response
- **mDER:** Ratio between circadian light and visual light
- **CIE S026:** CIE system for metrology of optical radiation for ipRGC mediated responses to light

## GENERAL BCL BENEFITS

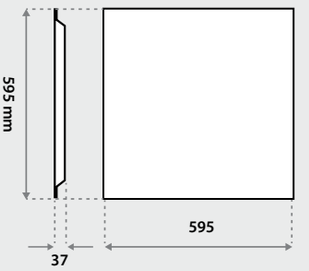
- BrainLit stands behind the circadian impact and health benefits of Biocentric Lighting
- Cost savings and exceeding all norms of HCL systems
- The Light Control Box contains the dedicated recipe and does not need special commissioning
- All components have Wago plugs for easy installation

# Luminaires



## LED Panel B 595x595 BCL



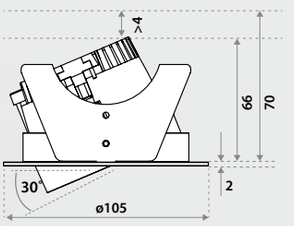




### ITEM SPECIFICATIONS

| Description | Item code | Input | W | Lm | Lm/W | CRI (typ.) | UGR | Pf | Ripple | mDER ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LED Panel B 595x595 BCL 5500Lm 2700-6500K[1] | 301L03MW1C02 | 120-250V | 41,5 | 5500 | 133 | 93 | 18.2 | 0.95 | <3% | 40-95% |

## Strada 90 BCL







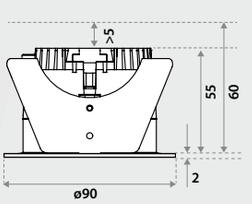
**Using CS springs:** Ø 90 mm. Thickness ceiling 5-70 mm & recess depth 70 mm.

### ITEM SPECIFICATIONS Also available in other colours and with WS (wire) springs.

| Description | Item code | Input | W | Lm | Lm/W | CRI (typ.) | UGR | Pf | Ripple | mDER ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| Strada 90 BCL 2700-6500K 1250Lm 60° [1] | 856H03XX4W02 | 120-250V | 10,6 | 1250 | 118 | 93 | 24.0 | 0.90 | <5% | 40-95% |
| Strada 90 BCL 2700-6500K 1250Lm 80° [1] | 856H03XX4Y02 | 120-250V | 10,6 | 1250 | 118 | 93 | 28.4 | 0.90 | <5% | 40-95% |

## Linea 75 BCL







**Using CS springs:** Ø 75 mm. Thickness ceiling 5-60 mm & recess depth 60 mm.

### ITEM SPECIFICATIONS Also available in other colours and with WS (wire) springs.

| Description | Item code | Input | W | Lm | Lm/W | CRI (typ.) | UGR | Pf | Ripple | mDER ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| Linea 75 BCL 2700-6500K 1200Lm 60° [1] | 916G03XX4W02 | 120-250V | 10,6 | 1250 | 118 | 93 | 24.0 | 0.90 | <5% | 40-95% |
| Linea 75 BCL 2700-6500K 1200Lm 80° [1] | 916G03XX4Y02 | 120-250V | 10,6 | 1250 | 118 | 93 | 28.4 | 0.90 | <5% | 40-95% |

All values are measured at 230V (+/- 7%). * Based on 17.000hrs of LM80 testing at Tc55°C.
[1] This is the maximum light output, but depending on fluctuations in the lighting plan, the actual output will be lower.

eldoLED bridgelux

# Accessories




## BCL Wireless Light/Recipe Switch

| | | |
|---|---|---|
| Colour | Glossy white | |
| Type | Kinetic (battery less) | |
| Supplier code | 300032 | Office |
| | 300036 | Elderly Care |
| | 300072 | Education |
| | 300046 | Sport |



## BCL Light Control Box

| | | |
|---|---|---|
| Colour | Black | |
| Type | Dali DT8 (auto-commissioning) | |
| Supplier code | 200100 | Office |
| | 200101 | Elderly Care |
| | 200103 | Education |
| | 200104 | Sport |



## BCL Wireless Motion Sensor

| | |
|---|---|
| Colour | White |
| Type | Powered by solar cell |
| Supplier code | 300024 |



## Wago T-splitter 5P

| | |
|---|---|
| Colour | Black |
| Description | WAGO 770-621 |
| Item code | Not supplied |



## WAGO 5P extension cable

| | |
|---|---|
| Colour | Black |
| Description | WAGO 771-9985/006-301 |
| Type | 16A 1,5 mm² H05VV-F 70°C |
| Item code | Not supplied |



2L



2x2L

## 2L Recessed frame for T-bar ceiling system 600x600

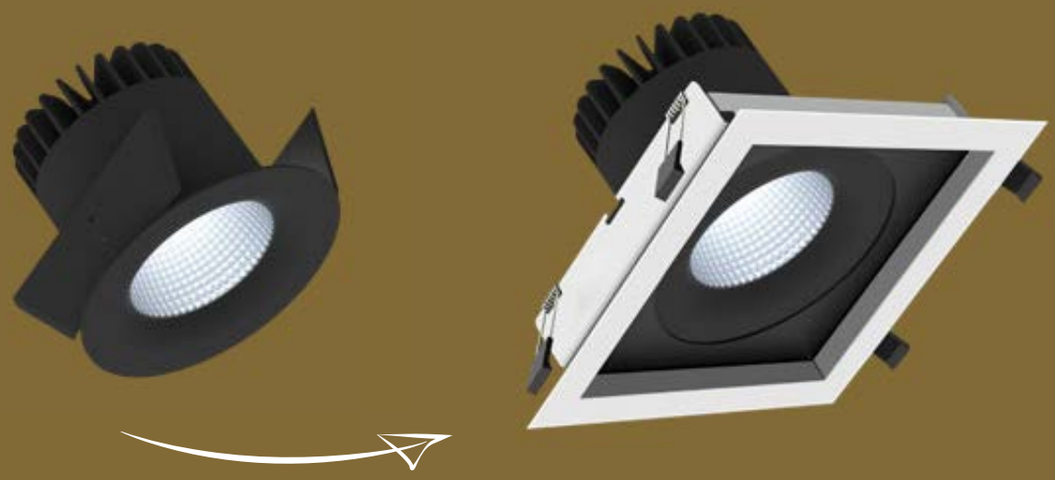
| | |
|---|---|
| Colour | White |
| Description | 2L Recessed frame 600x600 |
| Type of material | Aluminium |

MIYO
Make it your own.

Custom-made

# Lighting

ILLUXTRON



# Custom-made lighting

MIYO
Make it your own.



## UNIQUE IN EVERY WAY

Could our product range match your requirements better? We will always gladly suggest a suitable product for your needs. We can make simple adjustments to existing features such as colour or size. However, we are open to more complex challenges too. We design fixtures specifically tailored to your requirements. The luminaires from our collection arecustom-made and assembled in our social and in-house workshops. We do this in the Netherlands. This enables us to choose from an extensive stock of lighting components.

## LET'S BE CREATIVE

Any of our existing parts can be used when creating a brand new design. Should special parts be required, we can quickly and easily have them made by our large network of suppliers. As a result of this approach, we can offer a complete package. There is a wide selection of products, from assorted to custom-made, at competitive prices.



**Why MIYO?**
At Illuxtron we are creating standard products that are competitive and innovative for a wide audience. We create our own parts and technologies for our luminaires. But sometimes you need something more, something different... Something special. That's where MIYO comes in. **Scan this QR code for more information about MIYO!**




## WHY WE ARE GOOD AT IT

At Illuxtron, we assemble our luminaires locally. The biggest advantage is that we can customise the product without having to disassemble it first. And we have local partners to quickly solve specific customer problems.

- We can do powder coating nearby
- There is a CNC metalworking company in the same building
- Our sheet metal partner is 1 hour away from us
- The social workshop is a 10-minute walk away

**This gives us flexibility and speed!**





**Minimum order of 50 units**

**Go or no go within 48 hours**

**Average delivery time is 6 weeks**

**Just give us a call**

**+31 (0)85 773 63 60**

MIYO Custom made



**TWIN**

Customer specific
product design.



**ADJUSTABLE**

Customer specific colour.

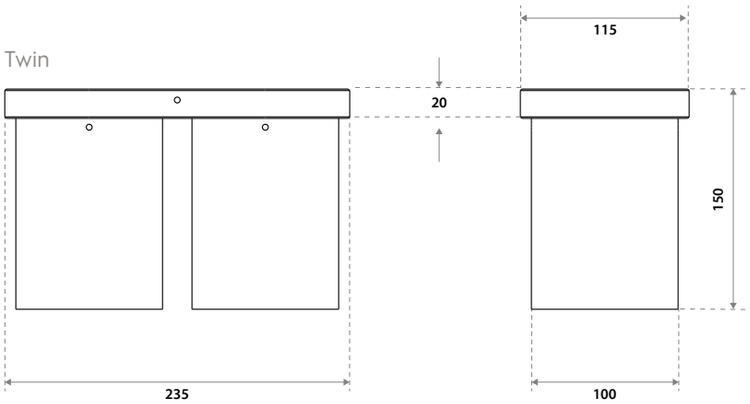




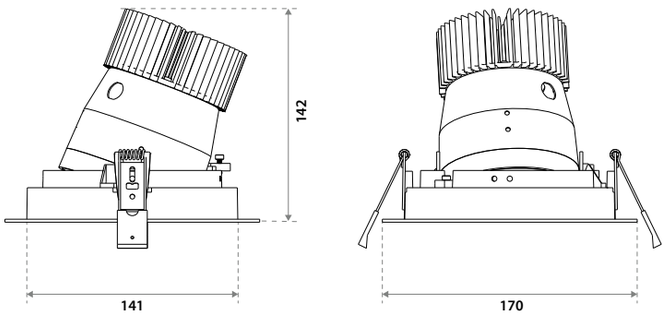
# Downlight variations

## DIMENSIONS

Twin




Adjustable




## SPECIFICATIONS TWIN

| Type | Twin | Adjustable |
|---|---|---|
| Fixture material | Housing: Aluminium / Lens: PMMA | Housing: Aluminium / Lens: glass |
| Colour | White RAL 9016 | Black RAL 9005 / Customer Green |
| IP rate | IP20 | IP20 |
| CCT | 3000K | 3000K |
| Lumen output | 2 x 800 Lm | 2500 Lm |
| CRI | CRI93 | CRI97 |
| Beam angle (FWHM) | 40° | 37° |
| Input voltage | 220-240V | 220-240V |
| Input current | - | 800 mA to LED module |
| Wattage | 2 x 10,3 W | 32,1 W |
| Efficacy | 78 Lm/W | 78Lm/W (Including power supply) |
| UGR (4H8H 70/50/20) | 26.9 | 22.0 |
| Weight | 2360gr | 800gr |
| Operating temperature (Ta) | -20°C / +45°C | -20°C / +45°C |

## ABOUT THIS PRODUCT

In 2025, we made several luminaires for a high-end hotel of one of the largest amusement parks in Europe. We used customized colours and higher light outputs, and we even developed completely new product models in relatively small quantities.

MIYO Custom made

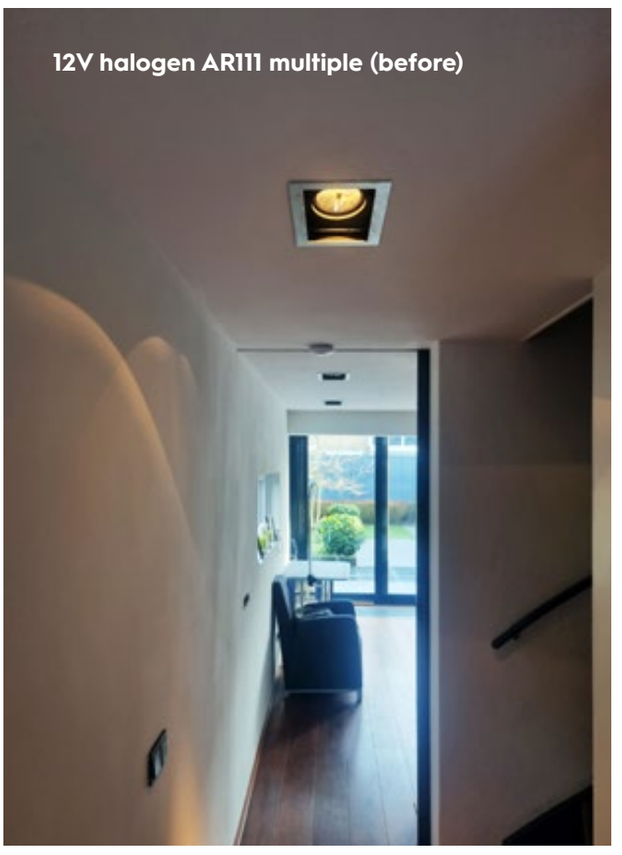


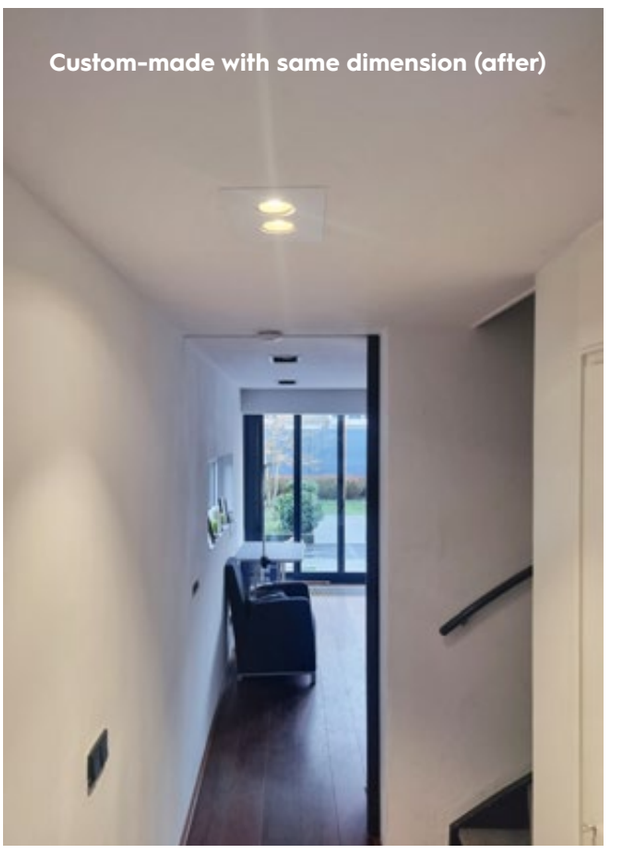


**STRADA 90 MULTIPLE**

Surface mounting options
also possible.

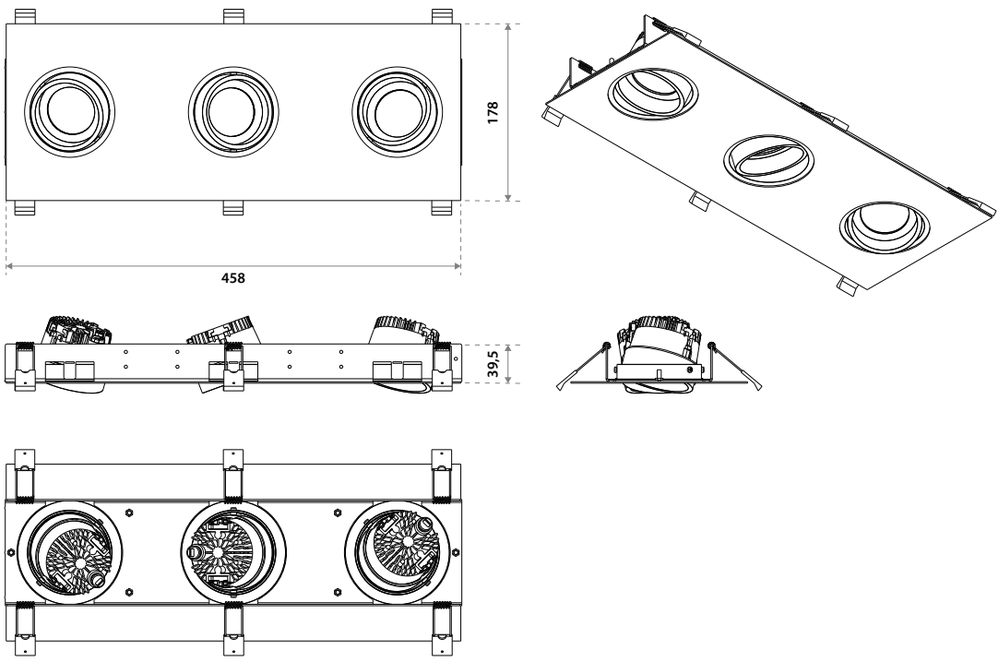
MULTIPLE AR111 REPLACEMENT



# Multiple AR111 replacement

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| **Fixture material** | Housing: Aluminium / Lens: PMMA |
| **Colour** | White RAL 9016 |
| **IP rate** | IP20 |
| **CCT** | 3000K |
| **Lumen output** | 3 x 800 Lm |
| **CRI** | CRI93 |
| **Beam angle (FWHM)** | 40° |
| **Input voltage** | 220-240V |
| **Wattage** | 3 x 10,3 W |
| **Efficacy** | 78 Lm/W |
| **UGR (4H8H 70/50/20)** | 26,9 |
| **Weight** | ±3800gr |
| **Operating temperature (Ta)** | -20°C / +45°C |

MADE IN HOLLAND

7 YEAR WARRANTY

bridgelux

## ABOUT THIS PRODUCT

These luminaires were very popular since 1990. Due to the phasing out of these lamps, many fixtures are now equipped with AR111 LED lamps that have a relatively short lifespan.

A better solution, however, is to replace the entire fixture and adapt it to modern control systems (deep dimming, DALI, Casambi, etc.).

MIYO Custom made



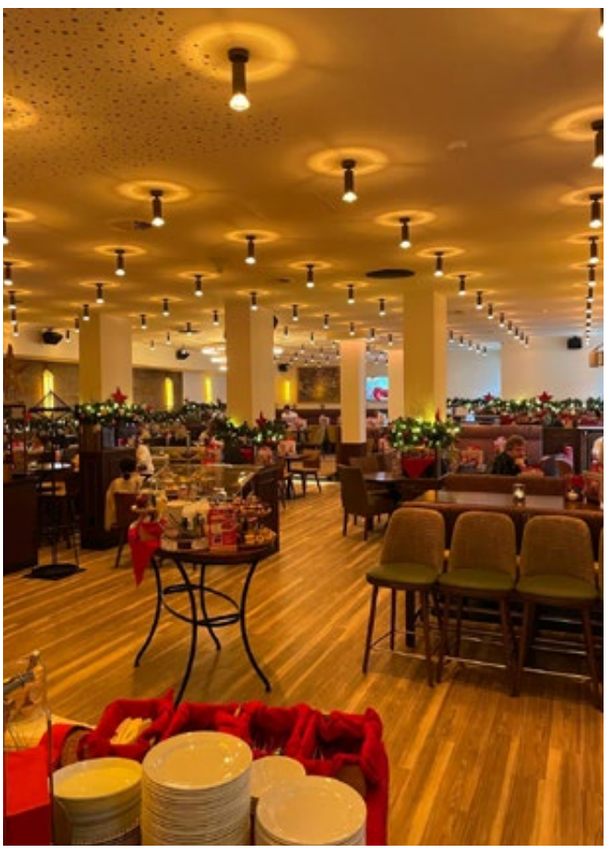
## SPECIAL OPTIC

The lens also emits light
to the back.

FIONA SPOT

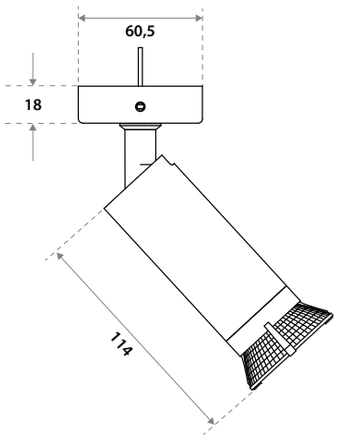


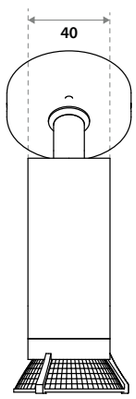
Light effect on the ceiling



# Fiona spot

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| **Fixture material** | Housing: Aluminium / Lens: PMMA |
| **Colour** | Black RAL 9005 |
| **CCT** | 1800-2700K |
| **Lumen output** | 300 Lm |
| **CRI** | CRI82 |
| **Input voltage** | 120-277 VAC / 120-250 VDC |
| **Input current** | 650 mA to LED module |
| **Wattage** | 4,2 W |
| **Efficacy** | 71 Lm/W (Including power supply) |
| **Operating temperature (Ta)** | -20°C / +45°C |

MADE IN HOLLAND

7 YEAR WARRANTY

bridgelux eldoLED

## ABOUT THIS PRODUCT

Spotlights with MR16 halogen lamps are still used in countless applications. With the phase-out of halogen lamps, LED lamps have become available as replacements, but they have a limited lifespan.

We created a replacement spotlight for a European restaurant chain using the latest technology. For quick installation, the ceiling plate is custom-made to fit the existing bracket. The entire system is controlled by a DMX system.




CORRECTION RINGS FOR RENOVATION



# Correction rings for renovation







## STANDARD VS. CNC-TURNED SOLUTIONS

While our standard rings include a functional "step" design to sit securely against the spotlight edge, we offer specialized options for high-end architectural requirements:

**Precision CNC-Turned Rings:** For projects demanding an uncompromising aesthetic, these rings feature sharp, defined corners and a seamless profile. This ensures a "perfect fit" where the ring and the spotlight appear as a single, integrated unit.

## IN-HOUSE MANUFACTURING & CUSTOMIZATION

Because Illuxtron operates its own dedicated CNC machinery, we maintain total control over the production pipeline. This allows for:

**Bespoke Diameters:** We are not limited to standard sizes; we can produce rings for any specific diameter required by your project.

**Surface Finish:** High-grade finishes that match the texture and colour of the Illuxtron spotlight range.

**Rapid Prototyping:** Faster lead times for custom renovation requests, ensuring project timelines remain on track.

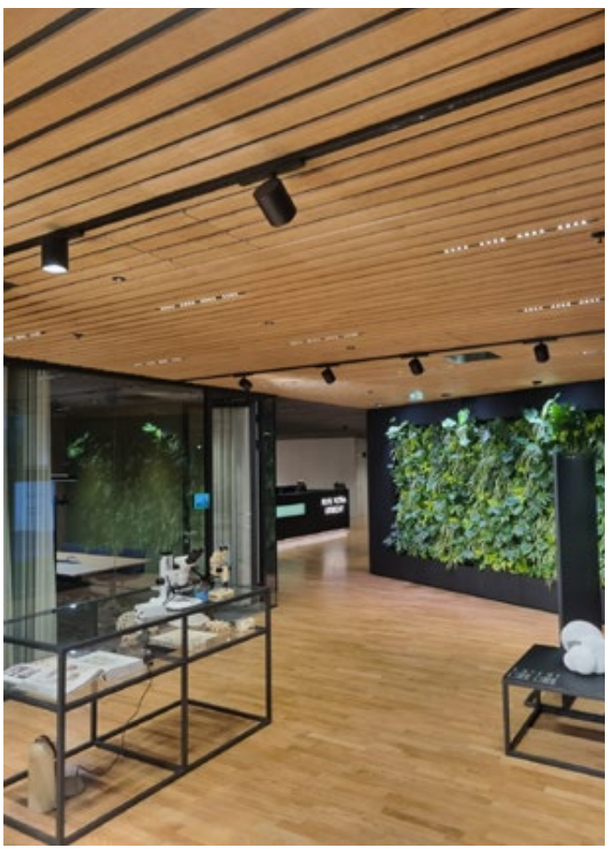
**Technical Note:** Using correction rings eliminates the need for expensive ceiling repairs or plastering when upgrading luminaires, making them a cost-effective solution for large-scale building retrofits.

MIYO Custom made



## SPECIAL ADAPTER HOUSING

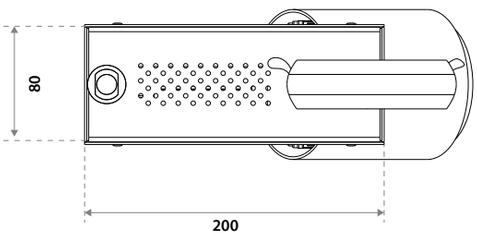
Containing 2CH & 3CH driver options.

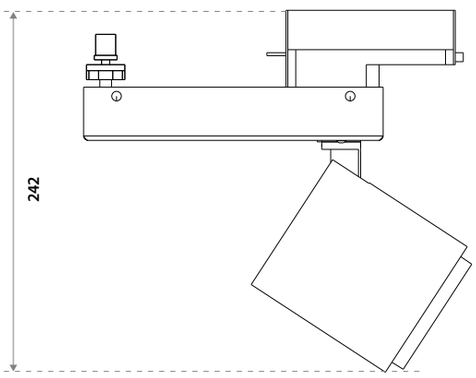


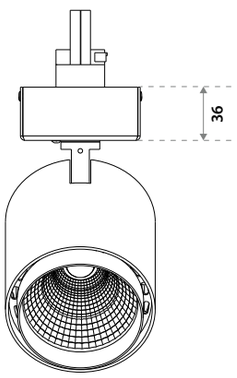


# Odion trackspot
# 2CH & 3CH driver housings

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| Fixture material | Housing: Aluminium |
| Colour | White RAL 9016 |
| IP rate | IP20 |
| CCT | 1800-16000K / RGB |
| Lumen output | 1820 Lm |
| CRI | CRI90 |
| Beam angle (FWHM) | 60° |
| Input voltage | 120-277 VAC / 120-250 VDC |
| Wattage | 35 W |
| Efficacy | 55 Lm/W (Including power supply) |
| UGR (4H8H 70/50/20) | 23 |
| Weight | ±1500gr |
| Operating temperature (Ta) | -20°C / +45°C |

MADE IN HOLLAND

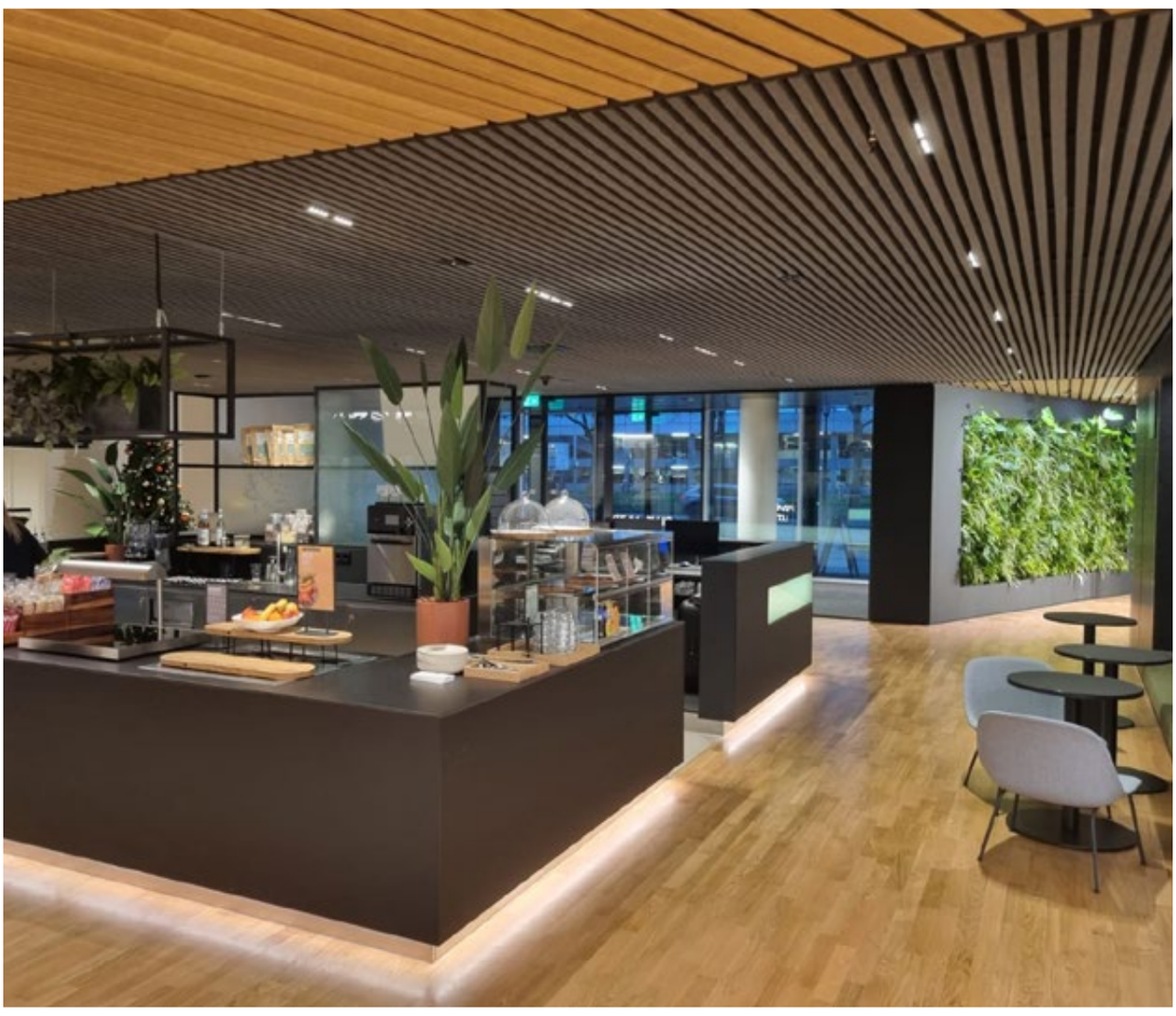
7 YEAR WARRANTY

PI-LED®

## ABOUT THIS PRODUCT

This downlight is assembled to order in the Netherlands on our social workshops.
Next to the standard variations we have made a special adapter housing for 2CH and 3CH solutions.


MIYO
Custom made

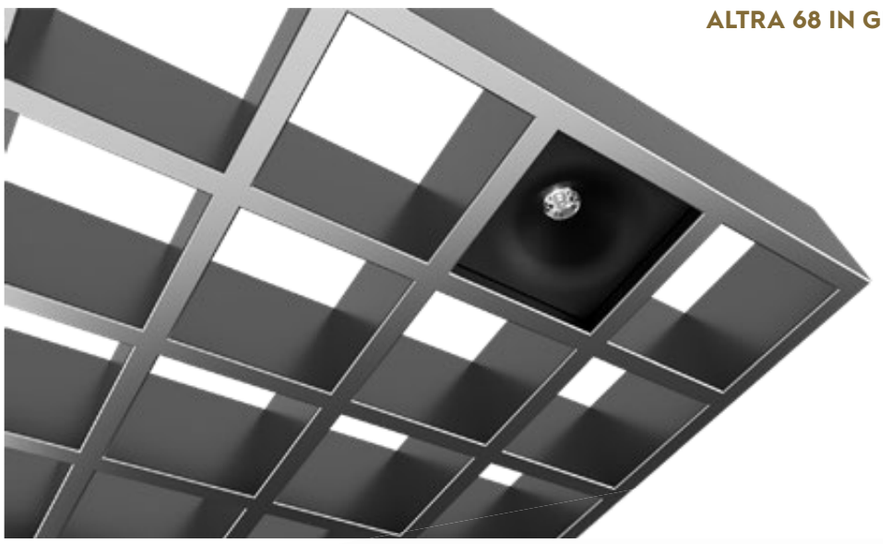


# Lighting for ceiling solutions

## FROM CUSTOM-MADE TO STANDARD

Over time, we have developed various ceiling solutions at the request of our customers.
This led us to launch a range of standard products under the name L4CS in 2025.
Below you'll find some custom-made products for inspiration.

### ALTRA 68 IN GRID CEILINGS



### PINHOLE TECHNOLOGY



### VESPER 1L IN SAPP CEILING





MIYO
Custom made



## AVAILABLE VARIATIONS

Options for diffusers or various reflector cups are available, including recessed, surface-mounted, and pendant versions.







# Linear fixtures



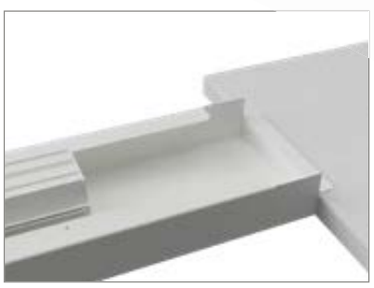




## RECESSED MOUNTING OPTIONS



A-hook



B-hook



C-hook

## SPECIFICATIONS CORTINA

| | |
|---|---|
| **Fixture material** | Housing: Steel / Diffuser: PS |
| **Colour** | White RAL 9016 |
| **IP rate** | IP20 |
| **CCT** | 4000K |
| **Lumen output** | 5300 Lm |
| **CRI** | CRI90 |
| **Beam angle (FWHM)** | 80° |
| **Input voltage** | 120-277 VAC / 120-250 VDC |
| **Input current** | 1050 mA to LED module |
| **Wattage** | 41,8 W |
| **Efficacy** | 127 Lm/W (Including power supply) |
| **UGR (4H8H 70/50/20)** | 20 |
| **Operating temperature (Ta)** | -20°C / +45°C |

## ABOUT THIS PRODUCT

The Illuxtron collection includes several bandraster fixtures for standard T ceilings. Various options are available (dimensions, air vents, suspension systems, multiple fixtures on a single power supply, etc.).

For cooling ceilings, we use high-quality European manufacturers who also make the panels for the cooling ceilings. Illuxtron has measuring equipment that can guarantee tolerances of just 0.2 mm on the length measurement.

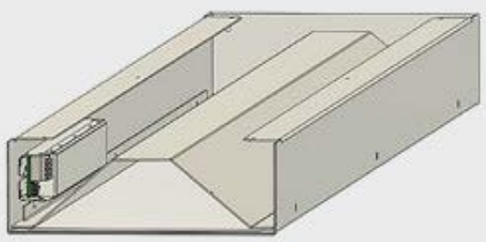
We are proud that, at the end of 2025, we came out on nr.1 in all areas in a study conducted by one of the largest engineering firms in the Netherlands

MIYO Custom made



### 3D CROSS SECTION

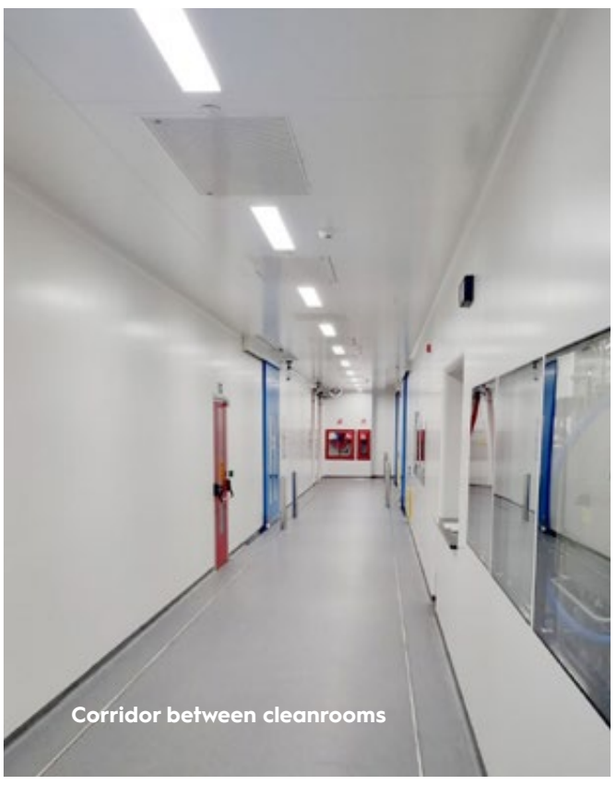
The power supply is integrated in the luminaire housing and covered by an easy replacable backplate







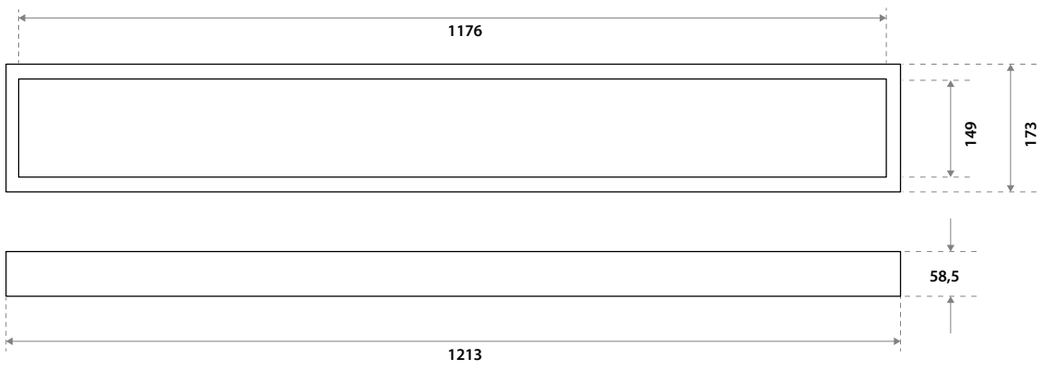
Cleanroom



Corridor between cleanrooms

# Cortina cleanroom

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| **Fixture material** | Housing: Steel / Diffuser: PS |
| **Colour** | White RAL 9016 |
| **IP rate** | IP20 |
| **CCT** | 4000K |
| **Lumen output** | 11.158 Lm |
| **CRI** | CRI82 |
| **Beam angle (FWHM)** | 112° |
| **Input voltage** | 120-277 VAC / 120-250 VDC |
| **Input current** | 1600 mA to LED module |
| **Forward voltage** | 41,6Vf |
| **Wattage** | 76,5 W |
| **Efficacy** | 138 Lm/W (Incl. power supply) |
| **UGR (4H8H 70/50/20)** | 27.5 |
| **Weight** | ±3800gr |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **LED type** | Bridgelux SMD 2835 21L-3F |
| **LED Lifetime L90B10** | >102.000 hrs reported |
| **Driver type** | eldoLED SOLOdrive 94W DL94L-M2A0C |
| **Warranty** | 7 years |

MADE IN HOLLAND

7 YEAR WARRANTY

bridgelux eldoLED

## ABOUT THIS PRODUCT

For one of the largest Global Pharmacy Supply sites, we have designed a special luminaire. The luminaire is equipped with a maximum of highly efficient and durable Bridgelux LEDs to reach an L90B10 of >100.000hrs.

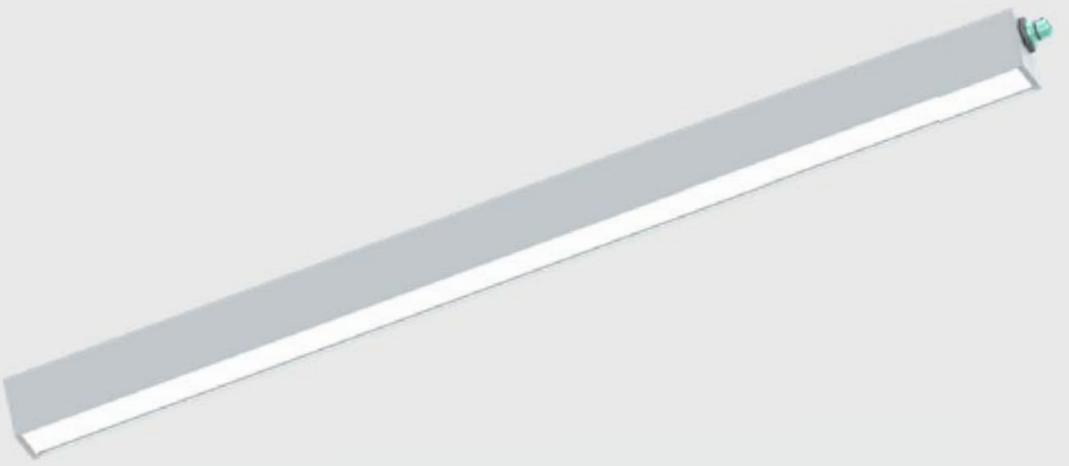
A second version of LED module is developed to reach 0% UV to be able to produce a highly sensible products in some of their cleanrooms.

For the drivers there is a KGP option for the corridors and an eldoLED option for the cleanrooms with an extreme low failure rate. To reach 800Lx in the production rooms the luminaire has a special optic in combination with a very high light output.





MIYO
Custom made

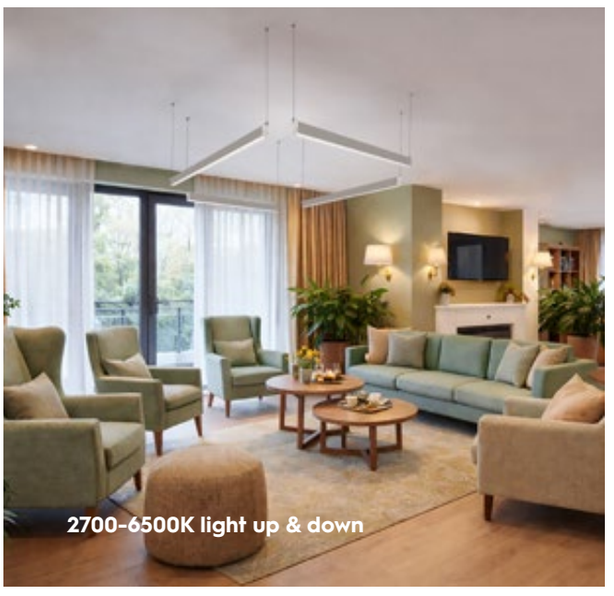


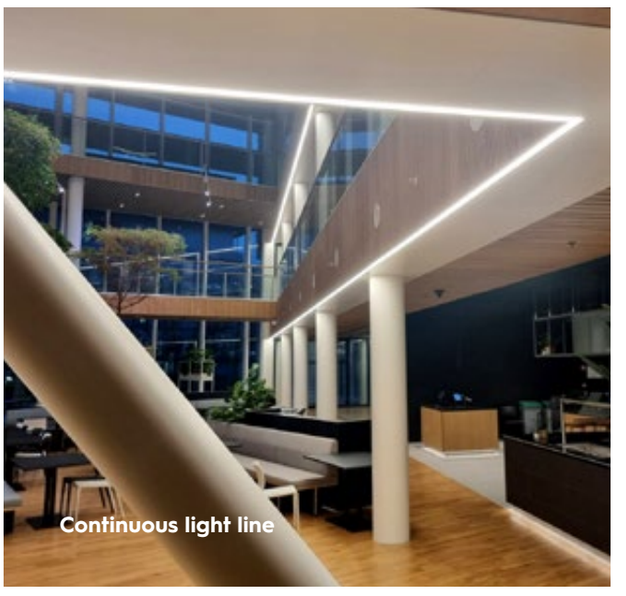


LINEAR VERSIONS

## AVAILABLE VARIATIONS

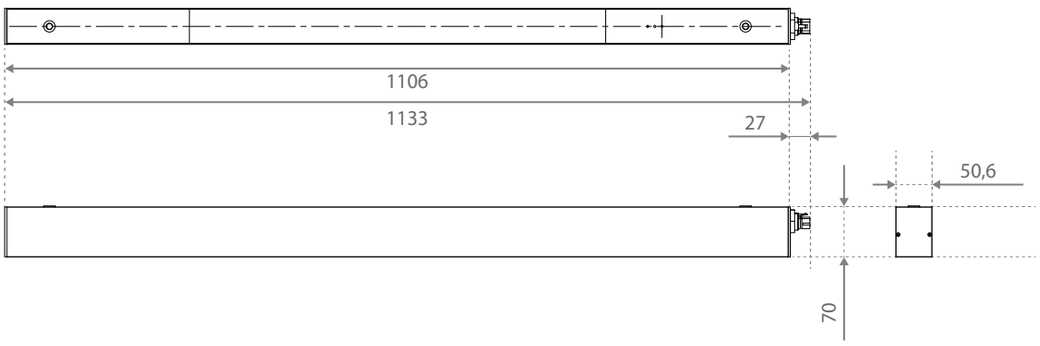
Choose between diffuser or reflector cups, available in surface mounting and pendant versions.


2700-6500K light up & down


Continuous light line

# Linear versions

## DIMENSIONS



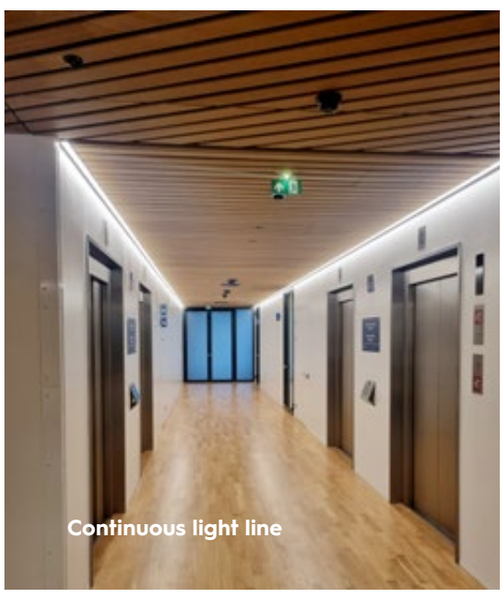

## SPECIFICATIONS LINION DATACENTER

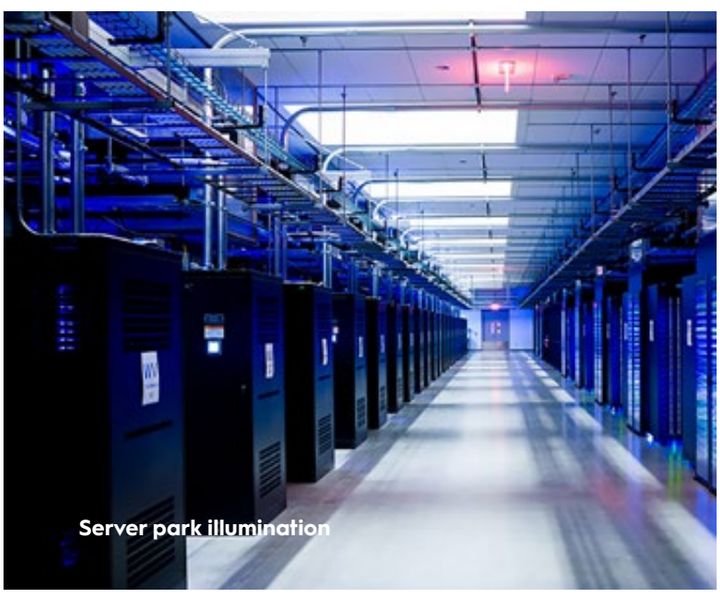
| | |
|---|---|
| **Fixture material** | Housing: Extruded aluminum / Reflector glass: Polycarbonate |
| **Colour** | Powder Coat RAL7001 |
| **IP rate** | IP20 |
| **CCT** | 4000K |
| **Lumen output** | 4880 Lm |
| **CRI** | CRI85 |
| **Beam angle (FWHM)** | 72° |
| **Input voltage** | 220-240V |
| **Wattage** | 31,9W |
| **Efficacy** | 153 Lm/W (Including power supply) |
| **UGR (4H8H 70/50/20)** | 19.5 |
| **Weight** | 2400gr |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **LED type** | Bridgelux SMD 2835 21L-3F |
| **LED Lifetime L90B10** | >102.000 hrs reported |
| **Driver type** | TCI 151372 Aton 30W Dali |
| **Warranty** | 7 years |

## ABOUT THIS PRODUCT

We custom-designed a linear luminaire for one of the largest American tech companies in server park illumination. Special attention was paid to energy efficiency and cooling properties to ensure a sustainable solution.

This profile is also used for HCL (up and down) solutions and other light-line solutions.


Continuous light line


Server park illumination







# High-end trade products

ILLUXTRON

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# Trade products




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Lexon XL
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LED Panel B 595x595
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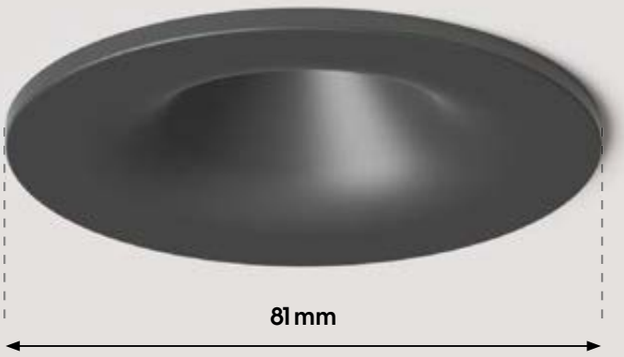


LED Panel B 1195x295
248



ALTRA

# Altra

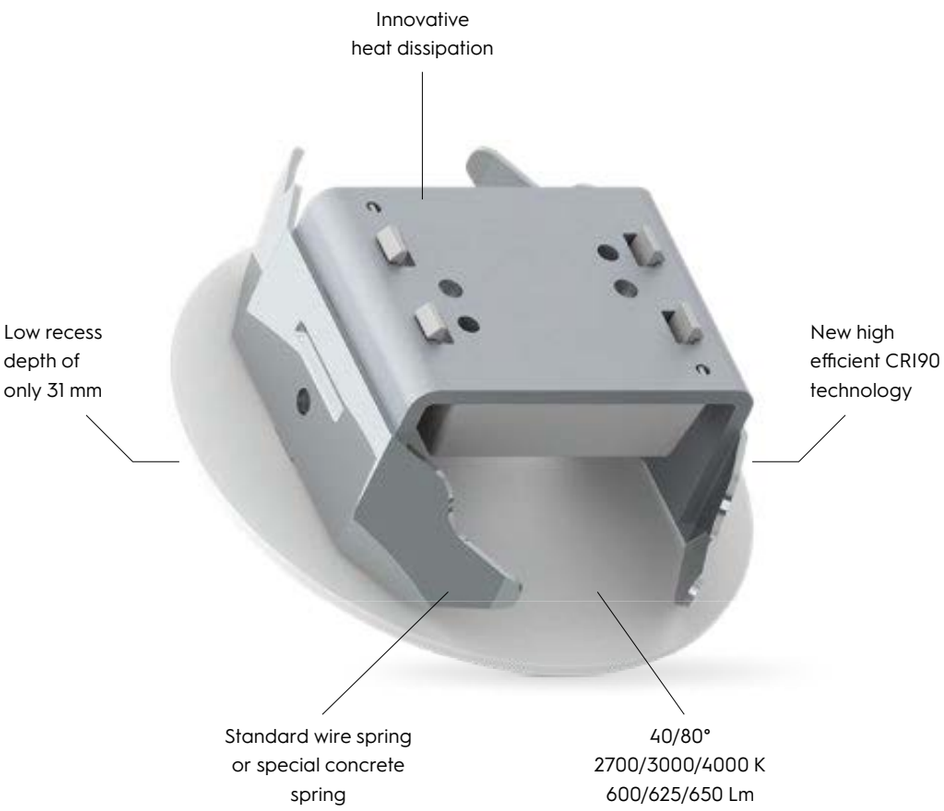



Environment friendly composite material

Cut-out 68-75 mm

Patented







ø 90 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

## SPRINGS



Standard with WS springs (gyproc/metal).
Also available as above with CS springs (concrete/gyproc).

## CORRECTION RING Ø98MM

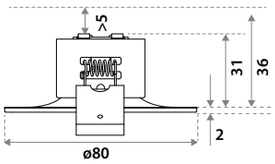




Only in combination with XX spring
for cut-out of 68-88mm

# Altra 68

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | W | Lumen Output | | | Lumen / Watt | | | Advised PSU | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K | KGP No dim | TCI Triac | KGP Dali |
| Special request | 350 | 4,6 | 430 | 450 | 470 | 93 | 98 | 102 | CC7W100-700 | 127040 | CC20W100-800 |
| **Standard** | 500 | 6,6 | 600 | 625 | 650 | 91 | 95 | 98 | CC7W100-700 | 127042 | CC20W100-800 |

## SPECIFICATIONS

| | |
|---|---|
| Beam angle (FWHM) | 40°/80° |
| Fixture material | Frontring: Composite<br>Lens: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +45°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 5 years |

IP20 | MADE IN HOLLAND | 5 YEAR WARRANTY | ECO

Only when the product is installed in a closed ceiling may it be exposed to water splashes, and only on its front side.

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

68 to 75 | 5-31 31

**Using CS springs:** Ø 68-75 mm. Thickness ceiling 5-31 mm & recess depth 31 mm.

68 to 75 | 1-20 31

**Using WS springs:** 68-75 mm. Thickness ceiling 1-20 mm & recess depth 31 mm

KGP TCI bhc bridgelux

## ITEM SPECIFICATIONS

| Description | 40° | | 80° | | mA | W per lamp | Lm | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | | | | | | |
| **Altra 68 LV 2700K 600Lm CRI93 No dim** | LE3R03XX9R02 | 15.2 | LE3R03XX9M02 | 21.6 | 500 | 6,6 | 600 | 91 | 93 | II |
| **Altra 68 LV 3000K 625Lm CRI93 No dim** | LE3S03XX9R02 | 15.2 | LE3S03XX9M02 | 21.6 | 500 | 6,6 | 625 | 95 | 93 | II |
| **Altra 68 LV 4000K 650Lm CRI93 No dim** | LE3T03XX9R02 | 15.2 | LE3T03XX9M02 | 21.6 | 500 | 6,6 | 650 | 98 | 93 | II |
| **Altra 68 LV 2700K 600Lm CRI93 Triac** | LE3R03XX9N02 | 15.2 | LE3R03XX9G02 | 21.6 | 500 | 6,6 | 600 | 91 | 93 | II |
| **Altra 68 LV 3000K 625Lm CRI93 Triac** | LE3S03XX9N02 | 15.2 | LE3S03XX9G02 | 21.6 | 500 | 6,6 | 625 | 95 | 93 | II |
| **Altra 68 LV 4000K 650Lm CRI93 Triac** | LE3T03XX9N02 | 15.2 | LE3T03XX9G02 | 21.6 | 500 | 6,6 | 650 | 98 | 93 | II |
| **Altra 68 LV 2700K 600Lm CRI93 Dali** | LE3R03XX9P02 | 15.2 | LE3R03XX9H02 | 21.6 | 500 | 6,6 | 600 | 91 | 93 | II |
| **Altra 68 LV 3000K 625Lm CRI93 Dali** | LE3S03XX9P02 | 15.2 | LE3S03XX9H02 | 21.6 | 500 | 6,6 | 625 | 95 | 93 | II |
| **Altra 68 LV 4000K 650Lm CRI93 Dali** | LE3T03XX9P02 | 15.2 | LE3T03XX9H02 | 21.6 | 500 | 6,6 | 650 | 98 | 93 | II |

Also available with: Casambi Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).

WAVE 75 FIX





ø 83 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

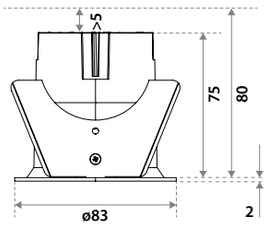
## SPRINGS



Standard with CS springs (concrete/ gyproc). Also available as above with WS springs (gyproc/metal).

# Wave 75 fix

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | W | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| Special | 150 | 5,6 | 750 | 750 | 775 | 134 | 134 | 138 |
| Special | 200 | 7,6 | 975 | 975 | 1025 | 129 | 129 | 136 |
| **Standard** | 250 | 9,6 | 1200 | 1200 | 1250 | 125 | 125 | 131 |
| Special | 300 | 11,6 | 1425 | 1425 | 1475 | 123 | 123 | 127 |
| Special | 350 | 13,7 | 1650 | 1650 | 1700 | 121 | 121 | 124 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 20°/37°/55° |
| **Fixture material** | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C 1 |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 5 years |

75 to 77 | 5-80 80

**Using CS springs:** Ø 75-77 mm. Thickness ceiling 5-80 mm & recess depth 80 mm.

75 to 77 | 1-30 80

**Using WS springs:** Ø 75-77 mm. Thickness ceiling 1-30 mm & recess depth 80 mm.

IP20 | 5 YEAR WARRANTY | ECO

KGP TCLP bhc

| |
|---|
| This luminaire contains built-in LED lamps. |
| There are no exchangeable parts inside the luminaire. |
| EU 874/2012 |

## ITEM SPECIFICATIONS

| Description Wave 75 fix | 20° | | 37° | | 55° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| LV 1200Lm 2700K no dim cs | WV4C03XX2F02 | 13.7 | WV4C03XX1G02 | 14.1 | WV4C03XXFP02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 2700K dali cs | WV4C03XX2H02 | 13.7 | WV4C03XX1J02 | 14.1 | WV4C03XXFR02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K no dim cs | WV4D03XX2F02 | 13.7 | WV4D03XX1G02 | 14.1 | WV4D03XXFP02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K dali cs | WV4D03XX2H02 | 13.7 | WV4D03XX1J02 | 14.1 | WV4D03XXFR02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1250Lm 4000K no dim cs | WV4E03XX2F02 | 13.9 | WV4E03XX1G02 | 14.2 | WV4E03XXFP02 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1250Lm 4000K dali cs | WV4E03XX2H02 | 13.9 | WV4E03XX1J02 | 14.2 | WV4E03XXFR02 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1200Lm 1800-3000K dali cs | WV4F03XX2H02 | 13.7 | WV4F03XX1J02 | 14.1 | WV4F03XXFR02 | 22.5 | 14,1 | 85 | 93 | II |

Also available with: Triac dim | Casambi | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).





ø 83 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

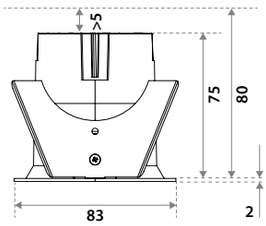
## SPRINGS



Standard with CS springs (concrete/ gyproc). Also available as above with WS springs (gyproc/metal).

# Conic 75 RND fix

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | W | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| Special | 150 | 5,6 | 750 | 750 | 775 | 134 | 134 | 138 |
| Special | 200 | 7,6 | 975 | 975 | 1025 | 129 | 129 | 136 |
| **Standard** | 250 | 9,6 | 1200 | 1200 | 1250 | 125 | 125 | 131 |
| Special | 300 | 11,6 | 1425 | 1425 | 1475 | 123 | 123 | 127 |
| Special | 350 | 13,7 | 1650 | 1650 | 1700 | 121 | 121 | 124 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 20°/37°/55° |
| **Fixture material** | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C 1 |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 5 years |
| **Safety class** | II |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

75 to 77 | 5-80 80

**Using CS springs:** Ø 75-77 mm. Thickness ceiling 5-80 mm & recess depth 80 mm.

75 to 77 | 1-30 80

**Using WS springs:** Ø 75-77 mm. Thickness ceiling 1-30 mm & recess depth 80 mm.

IP20 | 5 YEAR WARRANTY | ECO

KGP TCI bridgelux.

## ITEM SPECIFICATIONS

| Description Conic 75 RND fix | 20° | | 37° | | 55° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| LV 1200Lm 2700K no dim cs | CC4C03XX2F02 | 13.7 | CC4C03XX1G02 | 14.1 | CC4C03XXFP02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 2700K dali cs | CC4C03XX2H02 | 13.7 | CC4C03XX1J02 | 14.1 | CC4C03XXFR02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K no dim cs | CC4D03XX2F02 | 13.7 | CC4D03XX1G02 | 14.1 | CC4D03XXFP02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K dali cs | CC4D03XX2H02 | 13.7 | CC4D03XX1J02 | 14.1 | CC4D03XXFR02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1250Lm 4000K no dim cs | CC4E03XX2F02 | 13.9 | CC4E03XX1G02 | 14.2 | CC4E03XXFP02 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1250Lm 4000K dali cs | CC4E03XX2H02 | 13.9 | CC4E03XX1J02 | 14.2 | CC4E03XXFR02 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1200Lm 1800-3000K dali cs | CC4F03XX2H02 | 13.7 | CC4F03XX1J02 | 14.1 | CC4F03XXFR02 | 22.5 | 14,1 | 85 | 93 | II |

Also available with: Triac dim | Casambi | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).

CONIC 75 RND ADJ





ø 83 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

## SPRINGS



Standard with CS springs (concrete/gyproc). Also available as above with WS springs (gyproc/metal).

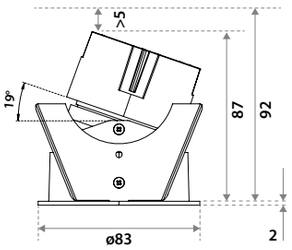
## NO SPRINGS



Also available as above without springs to plaster the trimless spotlight.

# Conic 75 RND adj

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | W | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| Special | 150 | 5,6 | 750 | 750 | 775 | 134 | 134 | 138 |
| Special | 200 | 7,6 | 975 | 975 | 1025 | 129 | 129 | 136 |
| **Standard** | 250 | 9,6 | 1200 | 1200 | 1250 | 125 | 125 | 131 |
| Special | 300 | 11,6 | 1425 | 1425 | 1475 | 123 | 123 | 127 |
| Special | 350 | 13,7 | 1650 | 1650 | 1700 | 121 | 121 | 124 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 20°/37°/55° |
| **Fixture material** | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C 1 |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 5 years |
| **Safety class** | II |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

75 to 77 | 5-92

**Using CS springs:** Ø 75-77 mm. Thickness ceiling 5-102 mm & recess depth 92 mm.

75 to 77 | 1-30

**Using WS springs:** Ø 75-77 mm. Thickness ceiling 1-30 mm & recess depth 92 mm.

75 to 77 | 10-35

**Using trimless (TL):** Ø 72-77 mm. Thickness ceiling 10-35 mm & recess depth 102 mm.

IP20 | 5 YEAR WARRANTY | ECO

KGP TCI bridgelux.

## ITEM SPECIFICATIONS

| Description Conic 75 RND adj | 20° | | 37° | | 55° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| LV 1200Lm 2700K no dim cs | CD4C03XX2F02 | 13.7 | CD4C03XX1G02 | 14.1 | CD4C03XXFP02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 2700K dali cs | CD4C03XX2H02 | 13.7 | CD4C03XX1J02 | 14.1 | CD4C03XXFR02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K no dim cs | CD4D03XX2F02 | 13.7 | CD4D03XX1G02 | 14.1 | CD4D03XXFP02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K dali cs | CD4D03XX2H02 | 13.7 | CD4D03XX1J02 | 14.1 | CD4D03XXFR02 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1250Lm 4000K no dim cs | CD4E03XX2F02 | 13.9 | CD4E03XX1G02 | 14.2 | CD4E03XXFP02 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1250Lm 4000K dali cs | CD4E03XX2H02 | 13.9 | CD4E03XX1J02 | 14.2 | CD4E03XXFR02 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1200Lm 1800-3000K dali cs | CD4F03XX2H02 | 13.7 | CD4F03XX1J02 | 14.1 | CD4F03XXFR02 | 22.5 | 14,1 | 85 | 93 | II |

Also available with: Triac dim | Casambi | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).

CONIC 75 1L SQ



82,5 x 82,5 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

## SPRINGS



Standard with WS springs (gyproc/metal).

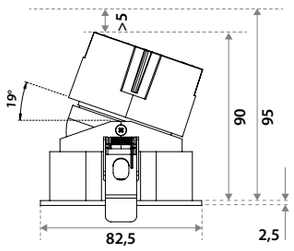
## NO SPRINGS



Also available as above without springs to plaster the trimless spotlight.

# Conic 75 1L SQ

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | W | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| Special | 150 | 5,6 | 750 | 750 | 775 | 134 | 134 | 138 |
| Special | 200 | 7,6 | 975 | 975 | 1025 | 129 | 129 | 136 |
| **Standard** | 250 | 9,6 | 1200 | 1200 | 1250 | 125 | 125 | 131 |
| Special | 300 | 11,6 | 1425 | 1425 | 1475 | 123 | 123 | 127 |
| Special | 350 | 13,7 | 1650 | 1650 | 1700 | 121 | 121 | 124 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 20°/37°/55° |
| **Fixture material** | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C 1 |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 5 years |
| **Safety class** | II |

This luminaire contains built-in LED lamps.
There are no exchangeable parts inside the luminaire.
EU 874/2012

73 x 76 | 1-30 95

**Using WS springs:** 73x76 mm. Thickness ceiling 1-30 mm & recess depth 95 mm.

73 x 73 | 10-30 95

**Using trimless (TL):** 73x73 mm. Thickness ceiling 10-35 mm & recess depth 95 mm.

IP20 | 5 YEAR WARRANTY | ECO

KGP TCI bridgelux.

## ITEM SPECIFICATIONS

| Description Conic 75 1L SQ | 20° | | 37° | | 55° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| LV 1200Lm 2700K no dim cs | CE4C03XX6V02 | 13.7 | CE4C03XX1V02 | 14.1 | CE4C03XXF602 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 2700K dali cs | CE4C03XX6X02 | 13.7 | CE4C03XX1X02 | 14.1 | CE4C03XXF802 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K no dim cs | CE4D03XX6V02 | 13.7 | CE4D03XX1V02 | 14.1 | CE4D03XXF602 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1200Lm 3000K dali cs | CE4D03XX6X02 | 13.7 | CE4D03XX1X02 | 14.1 | CE4D03XXF802 | 22.5 | 9,6 | 125 | 95 | II |
| LV 1250Lm 4000K no dim cs | CE4E03XX6V02 | 13.9 | CE4E03XX1V02 | 14.2 | CE4E03XXF602 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1250Lm 4000K dali cs | CE4E03XX6X02 | 13.9 | CE4E03XX1X02 | 14.2 | CE4E03XXF802 | 22.6 | 9,6 | 131 | 95 | II |
| LV 1200Lm 1800-3000K dali cs | CE4F03XX6X02 | 13.7 | CE4F03XX1X02 | 14.1 | CE4F03XXF802 | 22.5 | 14,1 | 85 | 93 | II |

Also available with: Triac dim | Casambi | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).

CONIC 75 2L SQ



158 x 82,5 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



**Matt black**
RAL 9005 (XX=BL)

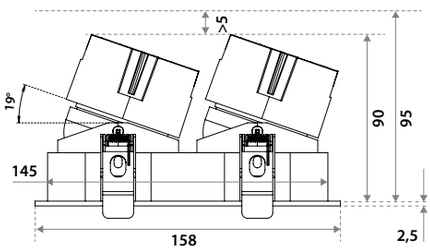
## SPRINGS



Standard with WS springs (gyproc/metal).

# Conic 75 2L SQ

## DIMENSIONS




## CHOOSE YOUR LV LUMEN OUTPUT

| | mA | W | Lumen Output | | | Lumen / Watt | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2700K | 3000K | 4000K | 2700K | 3000K | 4000K |
| Special | 150 | 5,6 | 750 | 750 | 775 | 134 | 134 | 138 |
| Special | 200 | 7,6 | 975 | 975 | 1025 | 129 | 129 | 136 |
| **Standard** | 250 | 9,6 | 1200 | 1200 | 1250 | 125 | 125 | 131 |
| Special | 300 | 11,6 | 1425 | 1425 | 1475 | 123 | 123 | 127 |
| Special | 350 | 13,7 | 1650 | 1650 | 1700 | 121 | 121 | 124 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 20°/37°/55° |
| **Fixture material** | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C 1 |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 5 years |
| **Safety class** | II |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

146 x 76 | 1-30 95

**Using WS springs:** 146x76 mm. Thickness ceiling 1-30 mm & recess depth 95 mm.

IP20 | 5 YEAR WARRANTY | ECO

KGP TCLP bridgelux.

## ITEM SPECIFICATIONS

| Description Conic 75 2L SQ | 20° | | 37° | | 55° | | W per lamp | Lm/W | CRI (typ.) | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|
| | Item code | UGR | Item code | UGR | Item code | UGR | | | | |
| **LV 1200Lm 2700K no dim cs** | CF4C03XX6V02 | 13.7 | CF4C03XX1V02 | 14.1 | CF4C03XXF602 | 22.5 | 9,6 | 125 | 95 | II |
| **LV 1200Lm 2700K dali cs** | CF4C03XX6X02 | 13.7 | CF4C03XX1X02 | 14.1 | CF4C03XXF802 | 22.5 | 9,6 | 125 | 95 | II |
| **LV 1200Lm 3000K no dim cs** | CF4D03XX6V02 | 13.7 | CF4D03XX1V02 | 14.1 | CF4D03XXF602 | 22.5 | 9,6 | 125 | 95 | II |
| **LV 1200Lm 3000K dali cs** | CF4D03XX6X02 | 13.7 | CF4D03XX1X02 | 14.1 | CF4D03XXF802 | 22.5 | 9,6 | 125 | 95 | II |
| **LV 1250Lm 4000K no dim cs** | CF4E03XX6V02 | 13.9 | CF4E03XX1V02 | 14.2 | CF4E03XXF602 | 22.6 | 9,6 | 131 | 95 | II |
| **LV 1250Lm 4000K dali cs** | CF4E03XX6X02 | 13.9 | CF4E03XX1X02 | 14.2 | CF4E03XXF802 | 22.6 | 9,6 | 131 | 95 | II |
| **LV 1200Lm 1800-3000K dali cs** | CF4F03XX6X02 | 13.7 | CF4F03XX1X02 | 14.1 | CF4F03XXF802 | 22.5 | 14,1 | 85 | 93 | II |

Also available with: Triac dim | Casambi | Check our datasheets, pricelist or website for all available versions

All values are measured at 230V (+/- 7%).





# Lexon


XL


XS









ø 60 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)

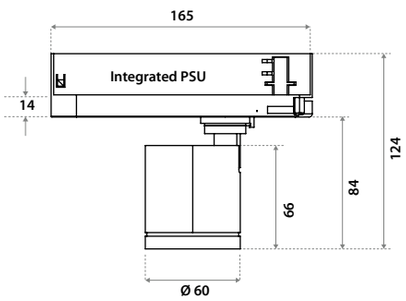


**Matt black**
RAL 9005 (XX=BL)

# Lexon XS

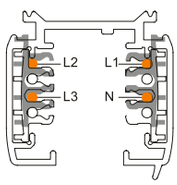
## DIMENSIONS

With integrated power supply in the adapter, not visible after installation.




## TRACKS

Suitable for the following track systems: Global, AAG STUCCHI, Eutrac, Nuco, Ivela, Staff, Norlux, Unipro, Powergear, Erco.






## CHOOSE YOUR LUMEN OUTPUT

| | mA | Vf | W | Lumen Output | | Lumen / Watt | | UGR | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 2700K | 3000K | 2700K | 3000K | 2700K | 3000K |
| Special request | 150 | 32,6 | 5,6 | 550 | 575 | 98 | 102 | 22,6 | 22,8 |
| Special request | 200 | 33,2 | 7,6 | 725 | 750 | 95 | 98 | 23,6 | 23,7 |
| Special request | 250 | 33,4 | 9,6 | 900 | 950 | 94 | 99 | 24,3 | 24,5 |
| Special request | 300 | 34,0 | 11,7 | 1050 | 1100 | 90 | 94 | 24,9 | 25 |
| **Standard** | 350 | 34,4 | 13,8 | 1225 | 1275 | 89 | 92 | 25,4 | 25,5 |
| Special request | 400 | 34,9 | 16,0 | 1375 | 1425 | 86 | 89 | 25,8 | 25,9 |
| Special request | 450 | 35,2 | 18,2 | 1525 | 1600 | 84 | 88 | 26,2 | 26,3 |
| Special request | 500 | 35,6 | 20,5 | 1650 | 1725 | 81 | 84 | 26,4 | 26,6 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 38° (15°/60° on request) |
| **Fixture material** | Die cast aluminium |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

IP20 | 5 YEAR WARRANTY | ECO

KGP bridgelux.

## ITEM SPECIFICATIONS

| Description | Item code | mA | W per lamp | Lm | Lm/W | CRI (typ.) | Pf | Ripple | Inrush current | B-16A Fuse | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lexon XS 3F 1225Lm 2700K CRI93 No dim | LX0403XXL702 | 350 | 13,8 | 1225 | 89 | 93 | 0.92 | ≤5% | 20A 40µS | 48 | I |
| Lexon XS 3F 1225Lm 2700K CRI93 Triac dim | LX0403XXK702 | 350 | 13,8 | 1225 | 89 | 93 | 0.92 | ≤5% | 20A 40µS | 48 | I |
| Lexon XS 3F 1225Lm 2700K CRI93 Dali | LX0403XXM702 | 350 | 13,8 | 1225 | 89 | 93 | 0.92 | ≤5% | 20A 40µS | 48 | I |
| Lexon XS 3F 1275Lm 3000K CRI93 No dim | LX0403XXL802 | 350 | 13,8 | 1275 | 92 | 93 | 0.92 | ≤5% | 20A 40µS | 48 | I |
| Lexon XS 3F 1275Lm 3000K CRI93 Triac dim | LX0403XXK802 | 350 | 13,8 | 1275 | 92 | 93 | 0.92 | ≤5% | 20A 40µS | 48 | I |
| Lexon XS 3F 1275Lm 3000K CRI93 Dali | LX0403XXM802 | 350 | 13,8 | 1275 | 92 | 93 | 0.92 | ≤5% | 20A 40µS | 48 | I |

Also available with other beam angles (on request)

All values are measured at 230V (+/- 7%).





ø 85 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)

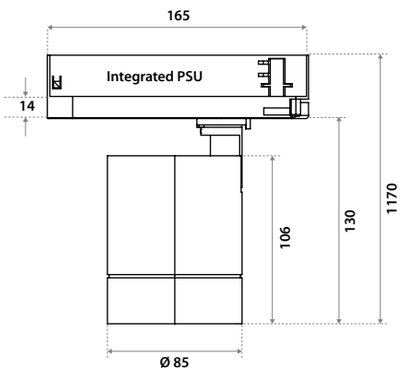


**Matt black**
RAL 9005 (XX=BL)

# Lexon XL

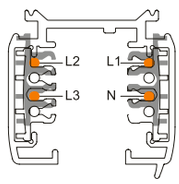
## DIMENSIONS

With integrated power supply in the adapter, not visible after installation.




## TRACKS

Suitable for the following track systems: Global, AAG STUCCHI, Eutrac, Nuco, Ivela, Staff, Norlux, Unipro, Powergear, Erco.






## CHOOSE YOUR LUMEN OUTPUT

| | mA | Vf | W | Lumen Output | Lumen / Watt | UGR |
|---|---|---|---|---|---|---|
| | | | | 3000K | 3000K | 3000K |
| Special request | 650 | 34,4 | 25,7 | 2300 | 89 | 20,2 |
| **Standard** | 700 | 34,6 | 27,8 | 2450 | 88 | 20,5 |
| Special request | 750 | 34,8 | 30,0 | 2600 | 87 | 20,7 |
| Special request | 500 | 35,6 | 20,5 | 1650 | 81 | 26,4 |

## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 38° |
| **Fixture material** | Die cast aluminium |
| **Environment** | Indoor |
| **IP rate** | IP20 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

IP20 | 5 YEAR WARRANTY | ECO

KGP bridgelux.

## ITEM SPECIFICATIONS

| Description | Item code | mA | W per lamp | Lm | Lm/W | CRI (typ.) | Pf | Ripple | Inrush current | B-16A Fuse | Safety class |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lexon XL 3F 2450Lm 3000K CRI93 No dim** | LX0403XXL602 | 700 | 27,8 | 2450 | 88 | 93 | 0.92 | ≤5% | 60A 400µS | 16 | I |
| **Lexon XL 3F 2450Lm 3000K CRI93 Triac dim** | LX0403XXK602 | 700 | 27,8 | 2450 | 88 | 93 | 0.92 | ≤5% | 60A 400µS | 16 | I |
| **Lexon XL 3F 2450Lm 3000K CRI93 Dali** | LX0403XXM602 | 700 | 27,8 | 2450 | 88 | 93 | 0.92 | ≤5% | 60A 400µS | 16 | I |

Also available with other beam angles (on request)

All values are measured at 230V (+/- 7%).

SENSO 68





ø 88 mm

## COLOURS



**Matt white**
RAL 9016 (XX=MW)



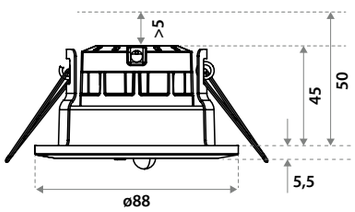
**Matt black**
RAL 9005 (XX=BL)

## SPRINGS

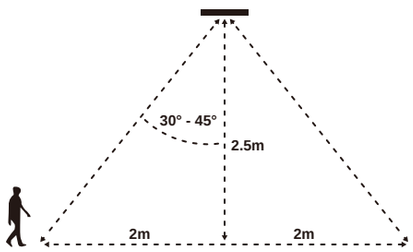
No other springs available

# Senso 68

## DIMENSIONS




## DETECTION AREA




## SPECIFICATIONS

| | |
|---|---|
| Colour switchable (CCT) | 2700/3000/4000/6000K |
| Lumen output | 950/975/1025/1050 Lm |
| Wattage | 9,5 W |
| Lm/W | 100/103/108/111 |
| CRI | 82 |
| Beam angle (FWHM) | 65° |
| Time | 3/10 minutes |
| Fixture material | Housing: Die cast aluminium<br>Lens: Polycarbonate |
| Environment | Indoor |
| IP rate | IP20/65 |
| IK rate | IK03 |
| Operating temperature (Ta) | -20°C / +40°C |
| Safety marks | EN60598 / EN62031 / EN62471 |
| EMC compliance | EN55015 |
| Colour consistency (SDCM) | MacAdam step 3 |
| Warranty | 5 years |
| Detection range | 90° |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

68 to 75

1-30 50

**Using WS springs:** Ø 68-70 mm.
Thickness ceiling 1-30 mm
& recess depth 50 mm.

Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20
IP65

MADE IN HOLLAND

5 YEAR WARRANTY

ECO

## ITEM SPECIFICATIONS

Available Q3 2026

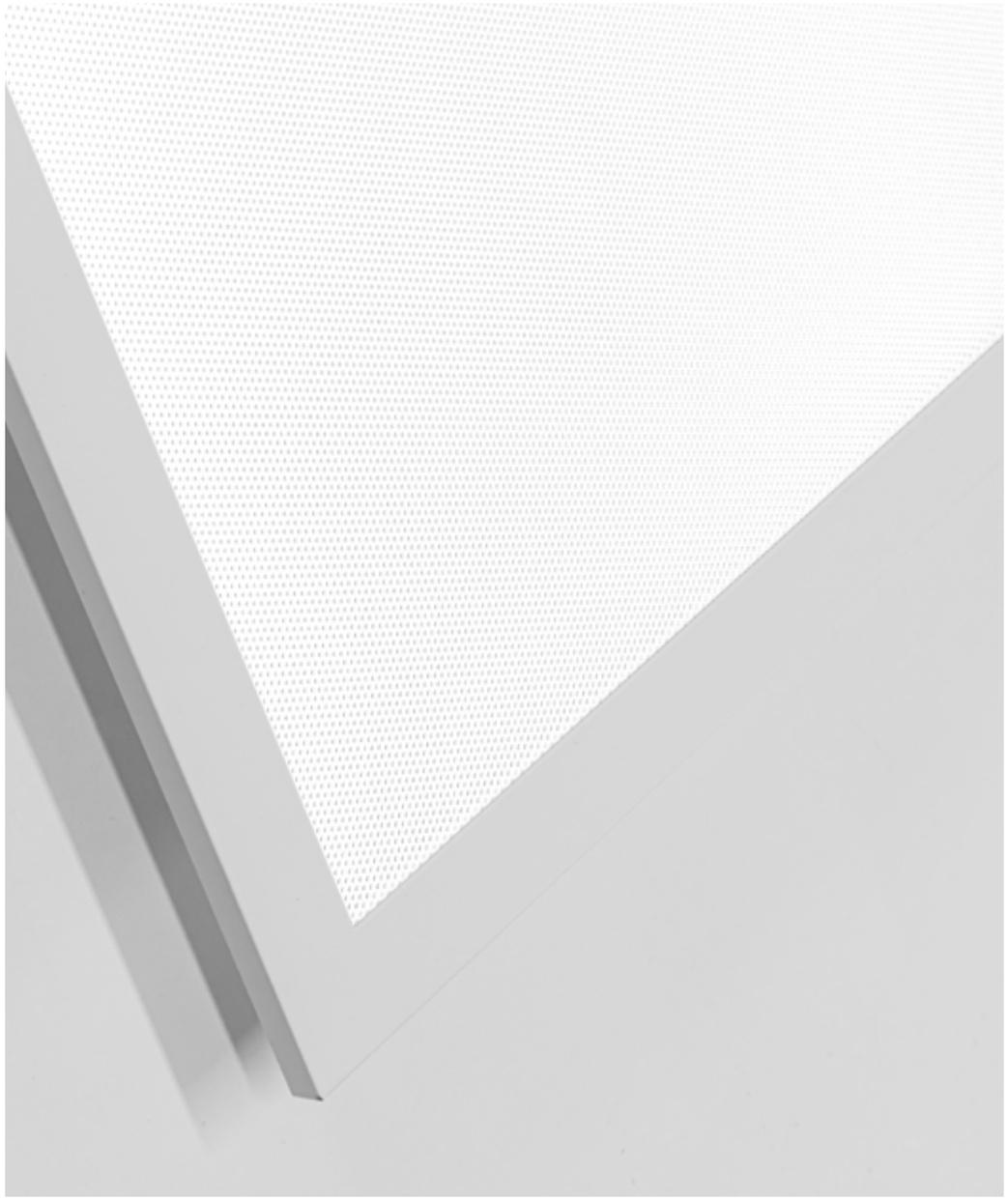
| Description | Item code | Extra | Input | Safety class |
|---|---|---|---|---|
| Senso 68 LV 4CCT 950-1050Lm 65° | SE2Z03XX0002 | Incl. PSU | 220-240V | II |

All values are measured at 230V (+/- 7%).



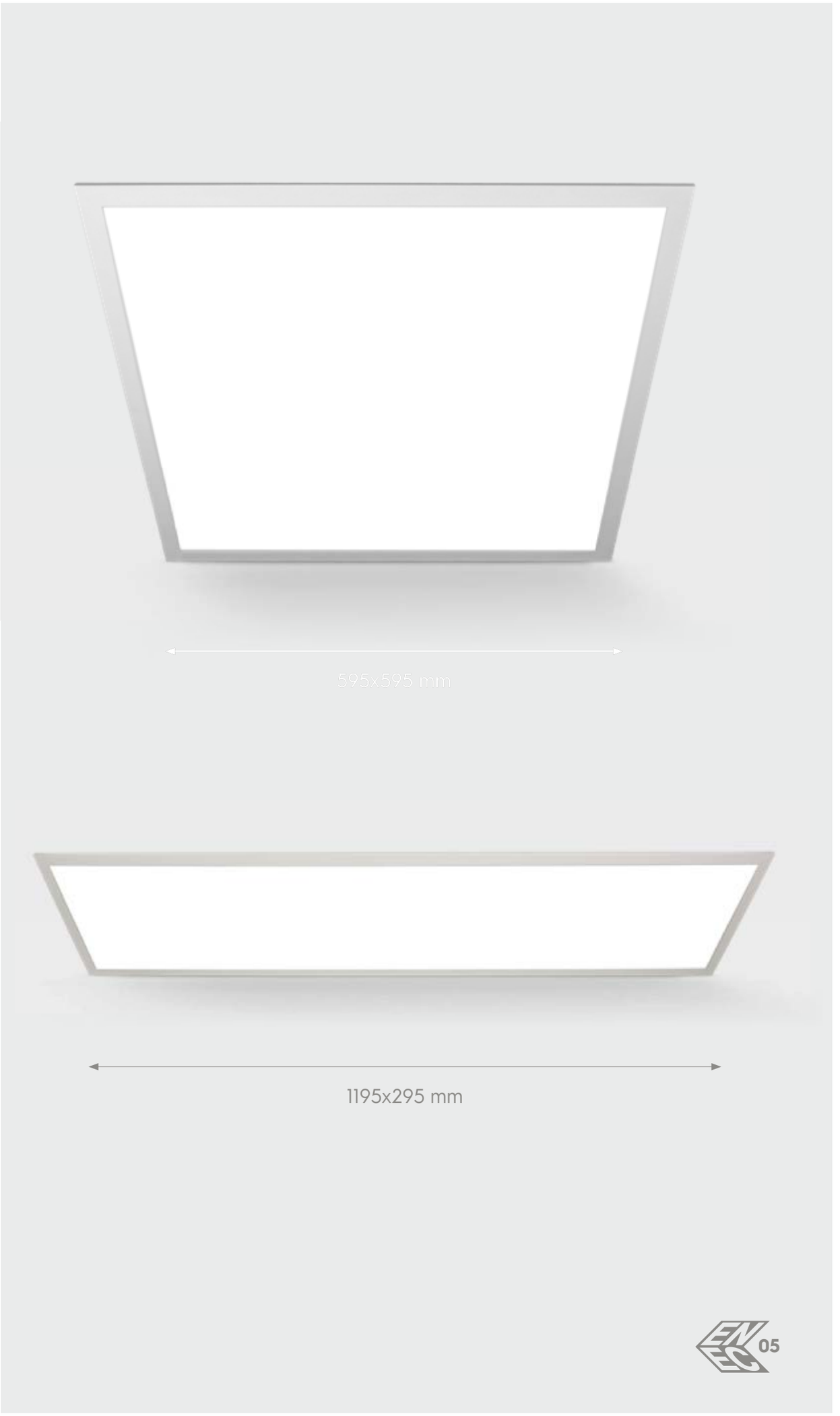


# LED Panel B



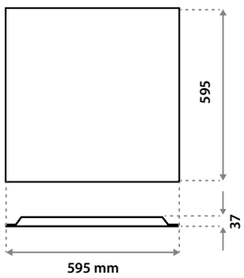


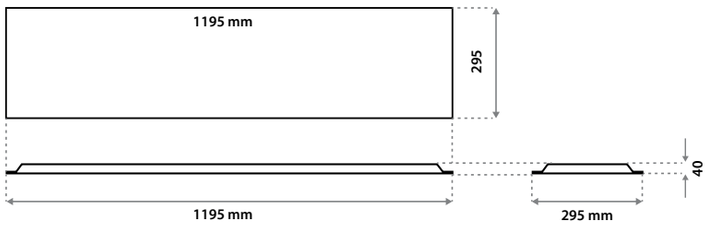
LED PANEL B



# LED Panel B

## DIMENSIONS




## SPECIFICATIONS

| | |
|---|---|
| **Beam angle (FWHM)** | 84° (Standard) |
| **Fixture material** | Frame - Aluminium<br>UGR Prisma PS |
| **LEDs** | Jufei 2835 |
| **Environment** | Indoor |
| **IP rate** | IP44 |
| **IK rate** | IK03 |
| **Operating temperature (Ta)** | -20°C / +45°C |
| **Safety marks** | EN60598 / EN62031 / EN62471 |
| **EMC compliance** | EN55015 |
| **Colour consistency (SDCM)** | MacAdam step 3 |
| **Warranty** | 7 years |

This luminaire contains built-in LED lamps.

There are no exchangeable parts inside the luminaire.

EU 874/2012

IP44 | 7 YEAR WARRANTY | ECO



## CHOOSE YOUR LUMEN OUTPUT

| | mA | Vf | W per lamp | Lumen Output | | | Lumen / watt | | | UGR | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 3000K | 4000K | 2700-6500K* | 3000K | 4000K | 2700-6500K* | 3000K | 4000K | 2700-6500K* |
| *Special request* | 250 | 31,6 | 7,9 | 1350 | 1375 | 1300 - 1375 | 171 | 174 | 165 - 174 | 13.2 | 13.5 | 13.5 |
| *Special request* | 300 | 31,8 | 9,5 | 1600 | 1625 | 1550 - 1625 | 168 | 170 | 163 - 170 | 13.8 | 14.1 | 14.1 |
| *Special request* | 350 | 32,0 | 11,2 | 1875 | 1900 | 1800 - 1900 | 167 | 170 | 161 - 170 | 14.4 | 14.6 | 14.6 |
| *Special request* | 450 | 32,4 | 14,6 | 2250 | 2400 | 2275 - 2400 | 154 | 164 | 156 - 164 | 14,3 | 15.4 | 15.4 |
| *Special request* | 500 | 32,6 | 16,3 | 2625 | 2675 | 2550 - 2675 | 161 | 164 | 156 - 164 | 15.5 | 15.8 | 15.8 |
| *Special request* | 550 | 32,8 | 18,0 | 2900 | 2950 | 2800 - 2950 | 161 | 164 | 156 - 164 | 15.8 | 16.1 | 16.1 |
| *Special request* | 600 | 33,0 | 19,8 | 3175 | 3225 | 3050 - 3225 | 160 | 163 | 154 - 163 | 16.1 | 16.4 | 16.4 |
| **Standard** | 650 | 33,2 | 21,6 | 3450 | 3500 | 3325 - 3500 | 160 | 162 | 154 - 162 | 16.4 | 16.7 | 16.7 |
| *Special request* | 700* | 33,4 | 23,4 | 3725 | 3800 | 3600 - 3800 | 159 | 163 | 154 - 163 | 16.6 | 16.9 | 16.9 |
| **Standard** | 800 | 33,7 | 27,0 | 4275 | 4350 | 4125 - 4350 | 159 | 161 | 153 - 161 | 17.1 | 17.3 | 17.3 |
| *Special request* | 850 | 33,9 | 28,8 | 4500 | 4575 | 4350 - 4575 | 156 | 159 | 151 - 159 | 17.5 | 17.5 | 17.5 |
| *Special request* | 1000 | 34,4 | 34,4 | 5175 | 5250 | 4975 - 5250 | 150 | 153 | 145 - 153 | 17.8 | 18.1 | 18.1 |
| **Standard** | 1050 | 34,6 | 36,3 | 5400 | 5500 | 5225 - 5500 | 149 | 151 | 144 - 151 | 17.9 | 18.2 | 18.2 |

*2700-6500K only available for LED Panel B 595x595.

## ITEM SPECIFICATIONS

| Description | Item code | Input | Vf | W per lamp | Lm | Lm/W | CRI* (typ.) | UGR | Safety class |
|---|---|---|---|---|---|---|---|---|---|
| **LED Panel B 595x595 LVC max 5400Lm CRI93 3000K** | 301L03MW63E2 | max 1050mA | 34,6 | 36,3 | 5400 | 149 | 93 | 17.9 | III |
| **LED Panel B 595x595 LVC max 5500Lm CRI93 4000K** | 301L03MW64E2 | max 1050mA | 34,6 | 36,3 | 5500 | 151 | 93 | 18.2 | III |
| **LED Panel B 595x595 LVC max 5500Lm CRI93 2700-6500K** | 301L03MW61E2 | max 1050mA | 34,6 | 36,3 | 5500 | 151 | 93 | 18.2 | III |
| **LED panel B 1195x295 LVC max 5400Lm CRI93 3000K** | 321L03MW63E2 | max 1050mA | 34,6 | 36,3 | 5400 | 149 | 93 | 17.9 | III |
| **LED panel B 1195x295 LVC max 5500Lm CRI93 4000K** | 321L03MW64E2 | max 1050mA | 34,6 | 36,3 | 5500 | 151 | 93 | 18.2 | III |

All values are measured at 230V (+/- 7%.

# **Installation** LED Panel B

## **Step 1:** Choose your luminaire



LED Panel B 595x595



LED Panel B 1195x295

## **Step 2:** Choose your lumen output

1 PANEL TO 1 DRIVER

| | mA | Vf | W per lamp | Lumen Output | | | Lumen / watt | | | UGR | | | CRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 3000K | 4000K | 2700-6500K* | 3000K | 4000K | 2700-6500K* | 3000K | 4000K | 2700-6500K* | |
| *Special request* | 250 | 31,6 | 7,9 | 1350 | 1375 | 1375 | 171 | 174 | 174 | 13.2 | 13.5 | 13.5 | 93 |
| *Special request* | 300 | 31,8 | 9,5 | 1600 | 1625 | 1625 | 168 | 170 | 170 | 13.8 | 14.1 | 14.1 | 93 |
| *Special request* | 350 | 32,0 | 11,2 | 1875 | 1900 | 1900 | 167 | 170 | 170 | 14.4 | 14.6 | 14.6 | 93 |
| *Special request* | 450 | 32,4 | 14,6 | 2250 | 2300 | 2300 | 154 | 158 | 158 | 14,3 | 15.4 | 15.4 | 93 |
| *Special request* | 500 | 32,6 | 16,3 | 2625 | 2675 | 2675 | 161 | 164 | 164 | 15.5 | 15.8 | 15.8 | 93 |
| *Special request* | 550 | 32,8 | 18,0 | 2900 | 2950 | 2950 | 161 | 164 | 164 | 15.8 | 16.1 | 16.1 | 93 |
| *Special request* | 600 | 33,0 | 19,8 | 3175 | 3225 | 3225 | 160 | 163 | 163 | 16.1 | 16.4 | 16.4 | 93 |
| **Standard** | 650 | 33,2 | 21,6 | 3450 | 3500 | 3500 | 160 | 162 | 162 | 16.4 | 16.7 | 16.7 | 93 |
| *Special request* | 700* | 33,4 | 23,4 | 3725 | 3800 | 3800 | 159 | 163 | 163 | 16.6 | 16.9 | 16.9 | 93 |
| **Standard** | 800 | 33,7 | 27,0 | 4275 | 4350 | 4350 | 159 | 161 | 161 | 17.1 | 17.3 | 17.3 | 93 |
| *Special request* | 850 | 33,9 | 28,8 | 4500 | 4575 | 4575 | 156 | 159 | 159 | 17.5 | 17.5 | 17.5 | 93 |
| *Special request* | 1000 | 34,4 | 34,4 | 5175 | 5250 | 5250 | 150 | 153 | 153 | 17.8 | 18.1 | 18.1 | 93 |
| **Standard** | 1050 | 34,6 | 36,3 | 5400 | 5500 | 5500 | 149 | 151 | 151 | 17.9 | 18.2 | 18.2 | 93 |

| | mA | Advised PSU | | | | Tuneable (2700-6500K*) | |
|---|---|---|---|---|---|---|---|
| | | No dim | Dali | Triac | Casambi | Dali KGP | Dali eldoLED |
| *Special request* | 250 | CC36W150-900 | CC36W150-900 | x | 142047 | x | Dualdrive 562/A |
| *Special request* | 300 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 350 | 145192 | CC36W150-900 | EC25CA-E1ZHP | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 450 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 500 | 145192 | CC36W150-900 | EC25CA-E1ZHP | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 550 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 600 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| **Standard** | 650 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 700* | 145192 | CC36W150-900 | EC25CA-E1ZHP | 142047 | CC44W300-1050 | Dualdrive 562/A |
| **Standard** | 800 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 850 | 145192 | CC36W150-900 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| *Special request* | 1000 | 145192 | CC44W300-1050 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |
| **Standard** | 1050 | 145192 | CC44W300-1050 | x | 142047 | CC44W300-1050 | Dualdrive 562/A |

.*2700-6500K only available for LED Panel B 595x595.

# **Step 3:** Choose your power supply



PSU 30W No dim KGP
CC30W350-700



PSU 36W Dali KGP
CC36W150-900 NFC*



PSU 25W Triac eldoLED
EC25CA-E1ZHP



PSU 38W Casambi
TCI 127648 NFC*



PSU 44W 2CH Dali DT8
KGP CC44W300-1050



PSU 50W 2CH Dali DT8
eldoLED Dualdrive 562/A



PSU 36W No dim
KGP CC36W150-900 NFC*

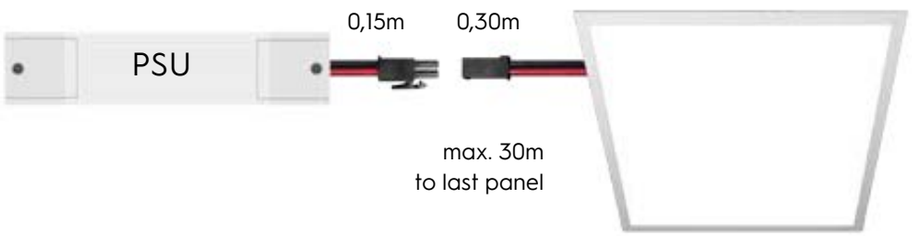


PSU 44W No dim
KGP CC44W300-1050



PSU 44W Dali
KGP CC44W300-1050






## ITEM SPECIFICATIONS

| Driver types + LVC cable(s) | Supplier name | Item code | Watt | Max mA | Max Vf | Pf | Eff | Inrush current | B-16A Fuse |
|---|---|---|---|---|---|---|---|---|---|
| PSU 40W 650mA No dim TCI | 145192 | 05TR03MLMA00 | 40W | 300-1050 | 43 | 0,99 | >90% | 7A 13µsec | 50 pcs |
| PSU 36W 650mA Dali KGP | CC36W150-900 | 05QB03MLMA00 | 36W | 150-900 | 40 | >0.95 | 88% | 8,5A 16µS | 59 pcs |
| PSU 25W 700mA Triac Eldoled | EC25CA-E1ZHP | 05PZ03MLMA00 | 25W | 350-700 | 36 | 0.99 | 85% | < 40mA²s | 84 pcs |
| PSU 38W 650mA Casambi TCI | 142047 | 05TU03MLMA00 | 38W | 150-1050 | 54 | 0,95 | >89% | 5A 50µsec | 50 pcs |
| PSU 44W 650mA 2CH Dali DT8 KGP | CC44W300-1050 | 05QV03MLMA00 | 44W | 300-1050 | 45 | >0.95 | 88% | <9.4A/16µS | 53 pcs |
| PSU 50W 650mA 2CH Dali DT8 EldoLed | Dualdrive 562/A | 05QT03MLMA00 | 50W | 150-1050 | 55 | >0.95 | 88% | < 100mA²s | 80 pcs |
| PSU 40W 800mA No dim TCI | 145192 | 05TS03MLMA00 | 40W | 300-1050 | 42 | 0,99 | >90% | 7A 13µsec | 50 pcs |
| PSU 36W 800mA Dali KGP | CC36W150-900 | 05PX03MLMA00 | 36W | 150-900 | 40 | >0.95 | 88% | 8,5A 16µS | 59 pcs |
| PSU 38W 800mA Casambi TCI | 142047 | 05TV03MLMA00 | 38W | 150-1050 | 46 | 0,95 | >89% | 5A 50µsec | 50 pcs |
| PSU 44W 800mA 2CH Dali DT8 KGP | CC44W300-1050 | 05QW03MLMA00 | 44W | 300-1050 | 45 | >0.95 | 88% | <9.4A/16µS | 53 pcs |
| PSU 50W 800mA 2CH Dali DT8 EldoLed | Dualdrive 562/A | 05QU03MLMA00 | 50W | 150-1050 | 55 | >0.95 | 88% | < 100mA²s | 80 pcs |
| PSU 40W 1050mA No dim TCI | 145192 | 05TT03MLMA00 | 40W | 300-1050 | 38 | 0,99 | >90% | 7A 13µsec | 50 pcs |
| PSU 44W 1050mA Dali KGP | CC44W300-1050 | 05Q603MLMA00 | 44W | 300-1050 | 45 | >0.95 | 88% | <9.4A/16µS | 53 pcs |
| PSU 38W 1050mA Casambi TCI | 142047 | 05TW03MLMA00 | 38W | 150-1050 | 36 | 0,95 | >89% | 5A 50µsec | 50 pcs |
| PSU 44W 1050mA 2CH Dali DT8 KGP | CC44W300-1050 | 05P503MLMA00 | 44W | 300-1050 | 45 | >0.95 | 88% | <9.4A/16µS | 53 pcs |
| PSU 50W 1050mA 2CH Dali DT8 EldoLed | Dualdrive 562/A | 05P603MLMA00 | 50W | 150-1050 | 55 | >0.95 | 88% | < 100mA²s | 80 pcs |

All values are measured at 230V (+/- 7%).

# Illuxtron lighting

# accessories

ILLUXTRON

## EMERGENCY CONTROL



## BATTERY PACK



## LED INDICATOR





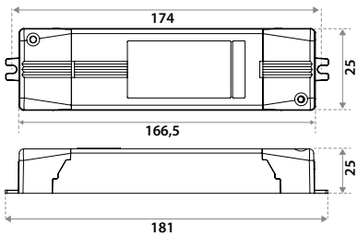
**Large downlights:** Indicator can be mounted into the rim of the downlight.

**Small downlights: I**ndicator can be mounted into the ceiling next to the downlight

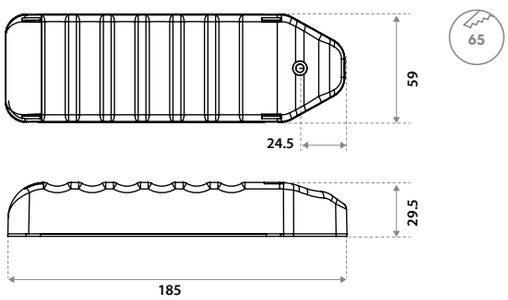
# Emergency pack

## DIMENSIONS

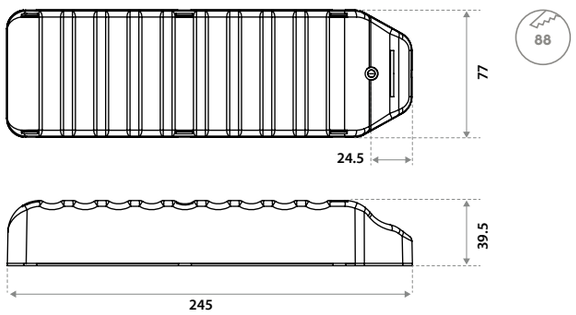
**Emergency control**




**Battery Pack 1Hr**




**Battery Pack 3Hr**




## SPECIFICATIONS

| | |
|---|---|
| Input Voltage | 220-240V 50-60Hz |
| Emergency Wattage | 2-4.5W |
| Safety Marks | EN 61000 / 61347 / EN61547 |
| EMC compliance | EN55015 |
| Operating temperature | 0° - 45°C |
| Max. pcs for B16A | 27 pcs |
| Inrush current | 27A 250usec |
| IP rate | IP20 |
| Environment | Indoor |
| Housing material | Polyamide |
| Expected Lifetime | 4 years |
| Warranty | 2 years |
| Battery type | Ni-Cd |
| Charging time | 24 Hrs (max. 500x) |
| Length LED cable | 350mm |
| Cut-out for Indicator | Ø 9mm |
| Indicator green | No action needed |

| DIP-SWITCH | DIP-SWITCH | Working voltage during emergency ($V_L$) | Output current during emergency (I) | Power max. for LED modules |
|---|---|---|---|---|
| *Special request* | A | 12 V cost. | 200 ± 10% | 24 W |
| *Special request* | B | 24 V cost. | 160 ± 10% | 30 W |
| *Special request* | C | 46 V cost. | 60 ± 10% | 50 W |
| Standard | D | 9...58 V | 200...30mA | - |

TCI

## ITEM SPECIFICATIONS

| Description | Item code | Type | Battery capacity |
|---|---|---|---|
| EP 1Hr 4-P | 185LVPS3EPI-4 | incl. battery and lamp | 7.2V -1.6 Ah |
| EP 3Hr 4-P | 185LVPS3EP3-4 | incl. battery and lamp | 7.2V -4.0 Ah |
| EP 1Hr 5-P* | 185LVPS3EPI-5 | incl. battery and lamp | 7.2V -1.6 Ah |
| EP 3Hr 5-P* | 185LVPS3EP3-5 | incl. battery and lamp | 7.2V -4.0 Ah |

All values are measured at 230V (+/- 7%). *For use with Dali.

# Correction ring

The LED luminaire fits seamlessly into the correction ring, creating a natural, elegant look.
The correction ring can also be placed inside the ceiling to prevent the springs from damaging the ceiling panel.



Fluxe 75
including correction ring

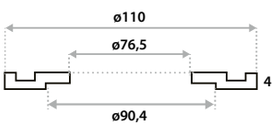


Linea DS-F 150
including correction ring

## A. CORRECTION RING 75-110 MM

The correction ring is used in (retrofit) installations with existing cut-outs measuring 75-100 mm. For use with Fluxe 75 and Linea 75.

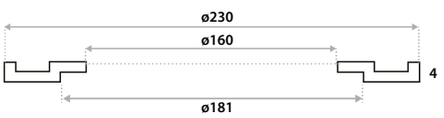
| | |
|---|---|
| **Item code** | 00BV03MW0000 |
| **Colour** | Matt White RAL 9016 |
| **Type of material** | Steel |




## B. CORRECTION RING 150-230 MM

The correction ring is used in (retrofit) installations with existing cut-outs measuring 150-210 mm. For use with Linea DS-F 150.

| | |
|---|---|
| **Item code** | 009703MW0000 |
| **Colour** | Matt White RAL 9016 |
| **Type of material** | Steel |






Linea 185
including correction ring

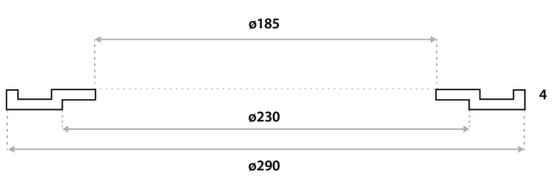


Strada 68
including correction ring

## C. CORRECTION RING 185-290 MM

The correction ring is used in (retrofit) installations with existing cut-outs measuring 215-250 mm. For use with Linea 185.

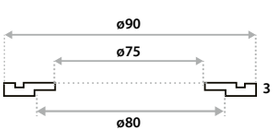
| | |
|---|---|
| **Item code** | 009403MW0000 |
| **Colour** | Matt White RAL 9016 |
| **Type of material** | Steel |




## D. CORRECTION RING 80-90 MM

The correction ring is used to make the small rim a little bigger for easier installation. For use with Pointer 68 fix, Pointer Spot 68 adj and Strada 68.

| | |
|---|---|
| **Item code** | 00C903XX0000 |
| **Colour** | Matt White RAL 9016 (XX=MW)<br>Matt black RAL 9005 (XX=BL) |
| **Type of material** | Aluminium |

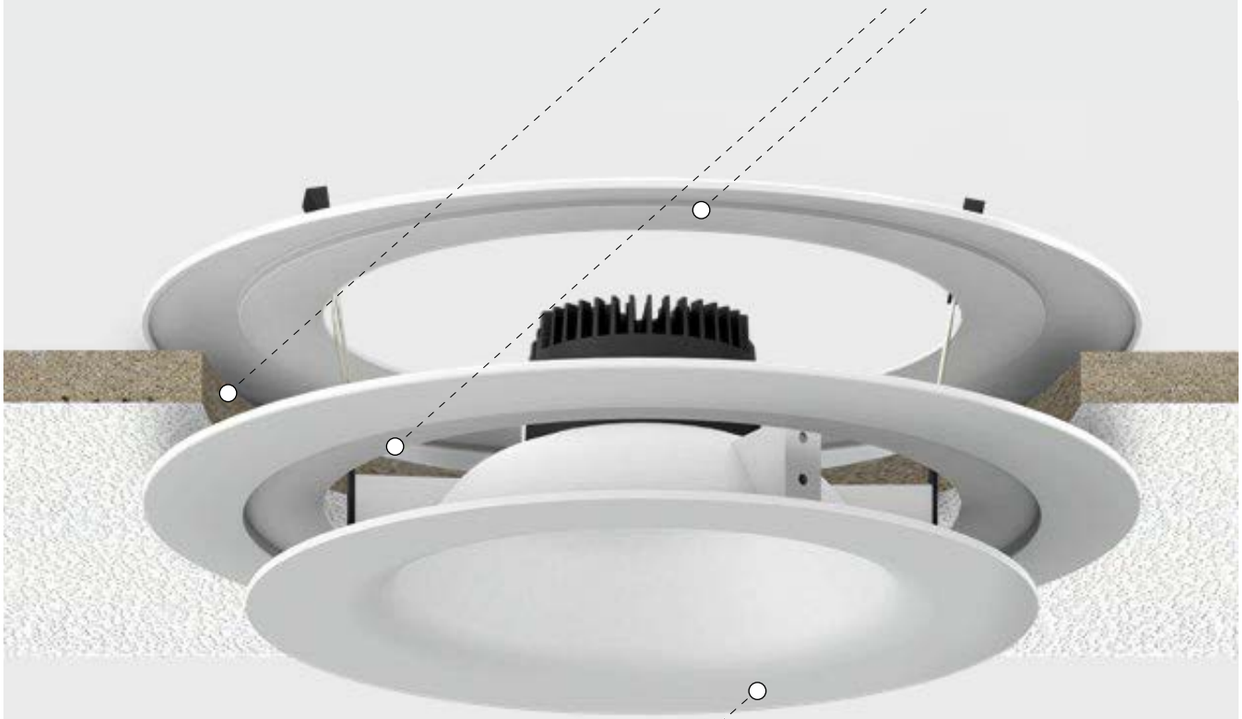



CORRECTION RING

**Accessible ceilings**
Only if you can access the backside of the ceiling a second correction ring can be used to cover holes up to Ø 250 mm (sandwich solution).

**Ceiling cut out**
A. = 75 - 100 mm
B. = 150 - 210 mm
C. = 215 - 250 mm
D. = 75 - 80 mm

**Correction rings**
A. = 75 - 110 mm
B. = 150 - 230 mm
C. = 185 - 290 mm
D. = 68 - 90 mm



**Non-Accessible ceilings**
If the ceiling is not accessible for installing the second ring MIYO can make longer springs (minimum order of 50 units).

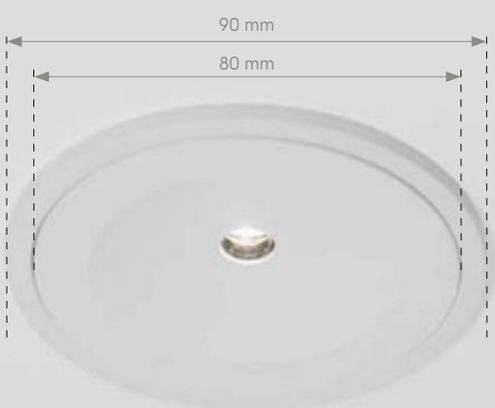
**Luminaires to use with**
A. For use with Fluxe 75 and Linea 75.
B. For Use with Linea DS-F 150.
C. For use with Linea 185.
D. For use with Pointer 68 fix, Pointer Spot 68 adj and Strada 68.

## CUSTOM DIMENSIONS BY MIYO

Make it your own.

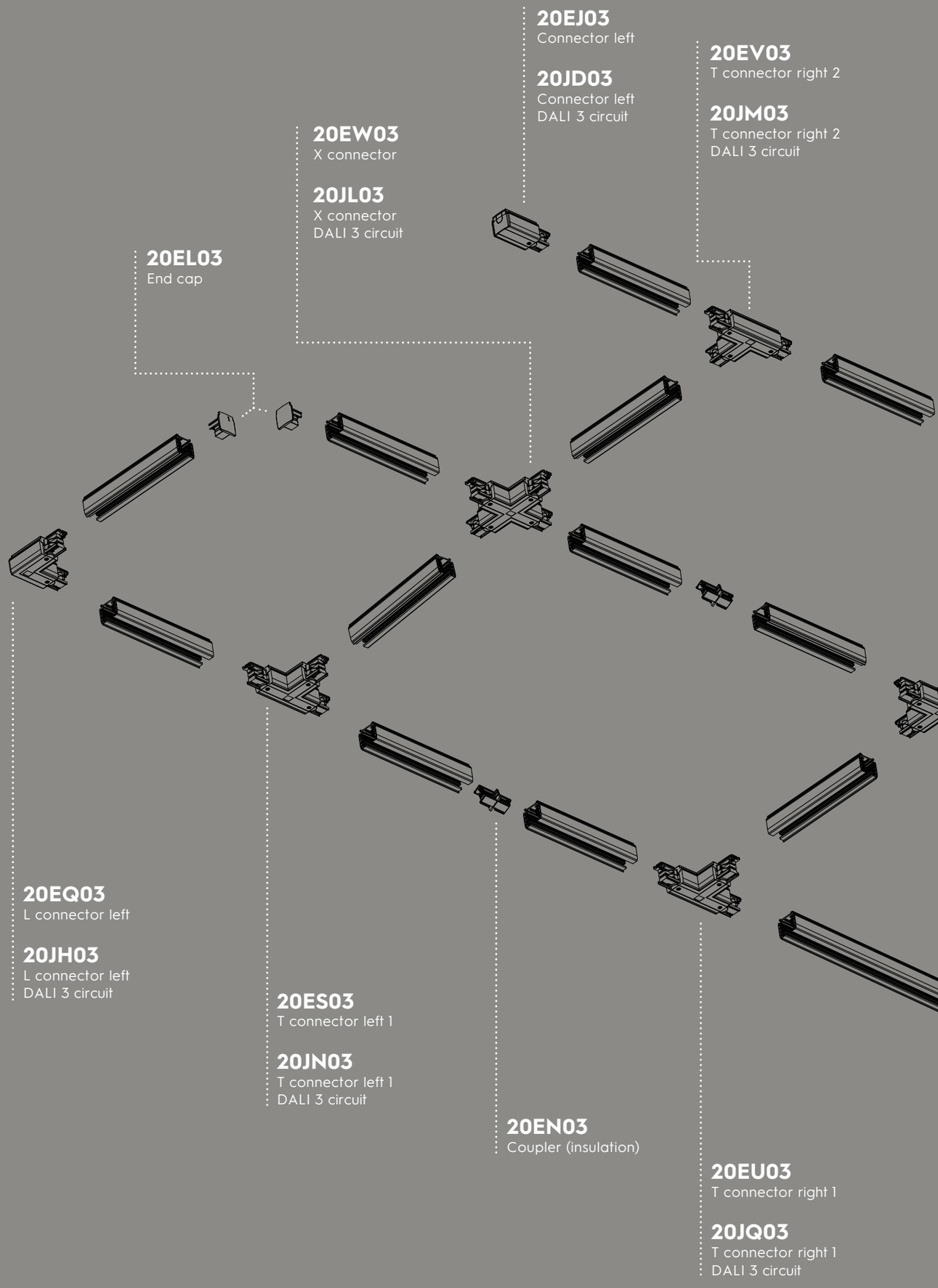
Special correction rings can be made in any dimension up to 600mm, even with springs attached. Instead of stamping, they are produced by CNC machining to achieve an optimal design adapted to the inner luminaire rim. Minimum order of 50 units.

**Colour:** Any requested colour
**Type of material:** Aluminium



# Track system accessories diagram

TRACK SYSTEM ACCESSORIES DIAGRAM



**20ET03**
T connector left 2

**20JP03**
T connector left 2
DALI 3 circuit

**20EK03**
Connector right

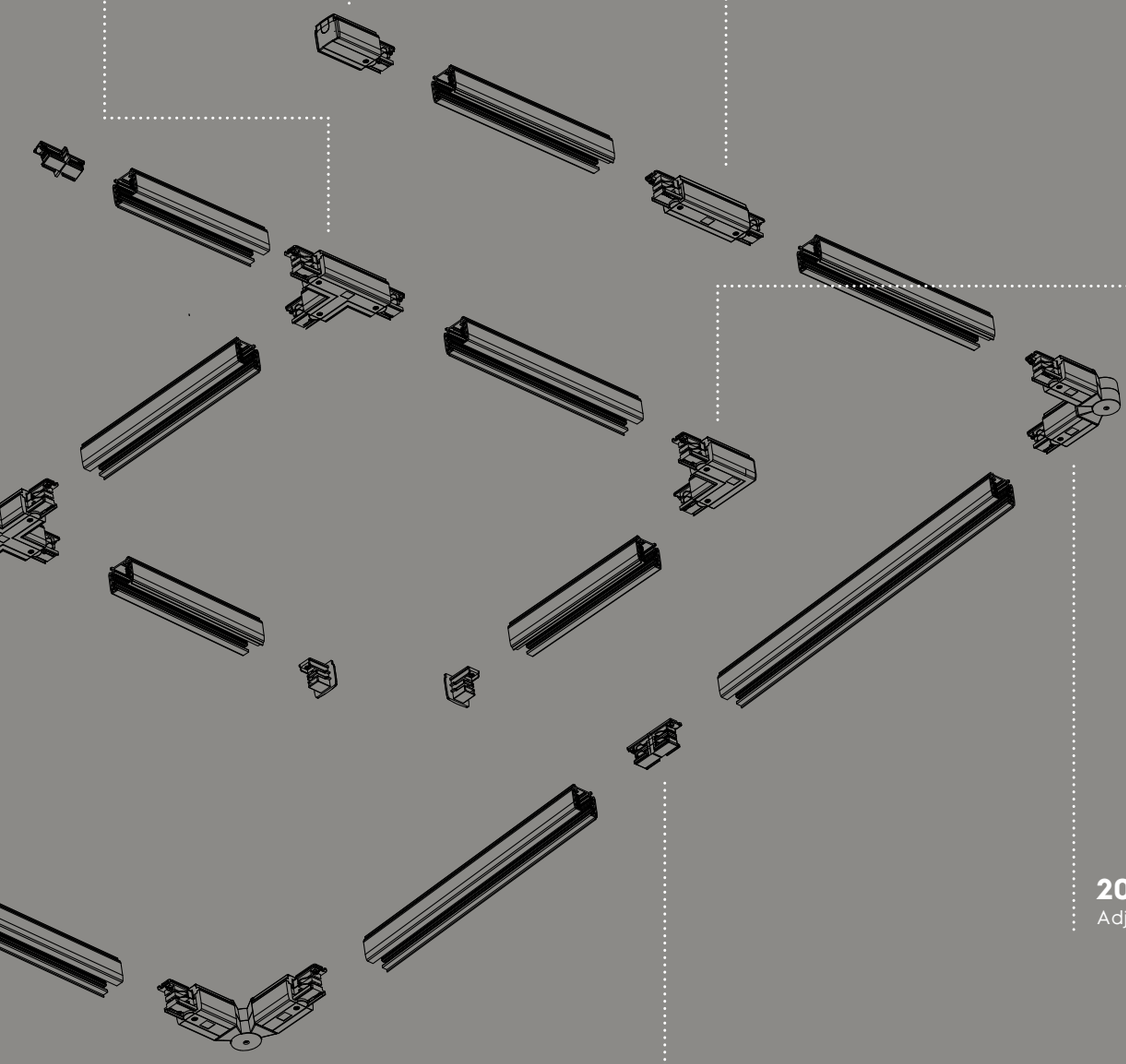
**20JE03**
Connector right
DALI 3 circuit

**20EP03**
Middle connector

**20JG03**
Middle connector
DALI 3 circuit

**20ER03**
L connector right

**20JJ03**
L connector right
DALI 3 circuit



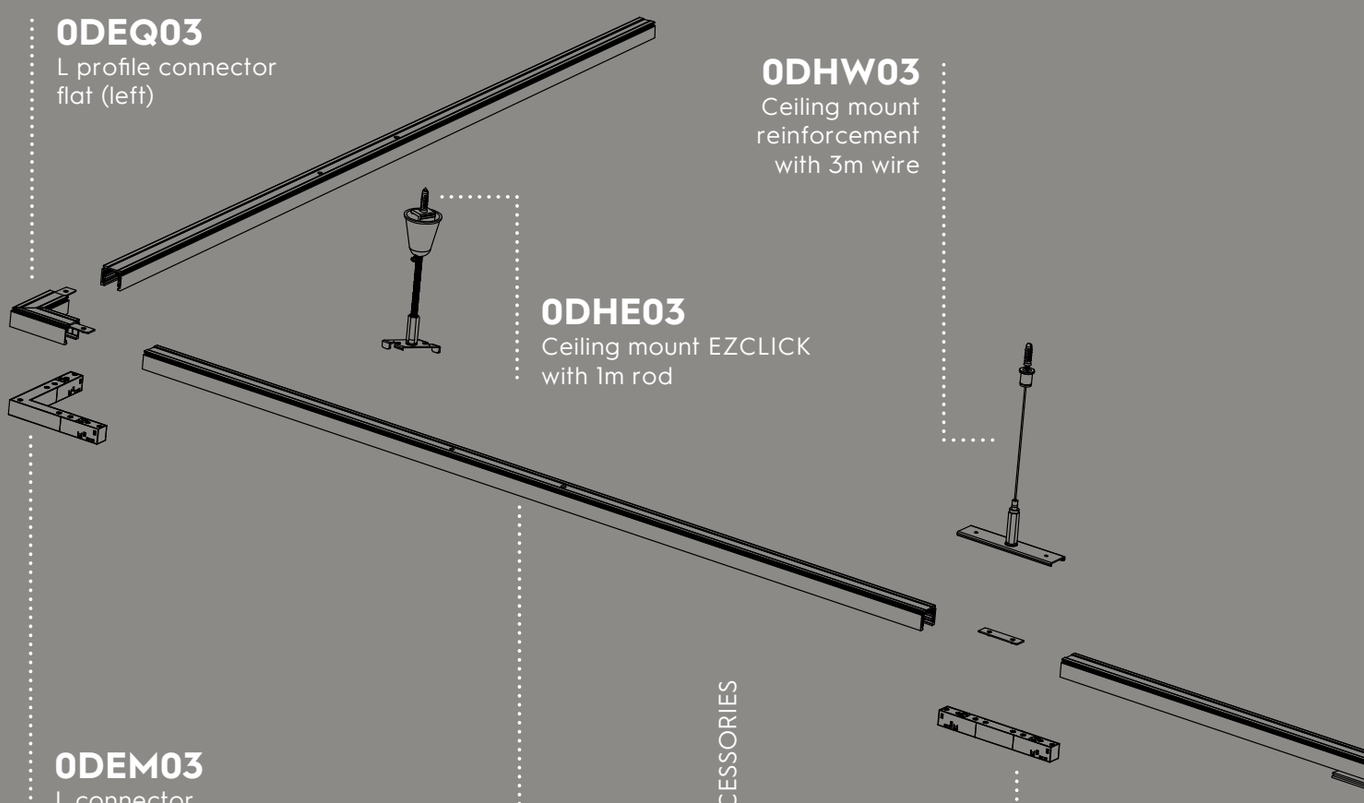
**20EY03**
Adjustable connector

**20EM03**
Coupler

**20JF03**
Coupler
DALI 3 circuit

**20EY03**
Adjustable connector

# 48V Track system accessories diagram



**0DEQ03**
L profile connector flat (left)

**0DHW03**
Ceiling mount reinforcement with 3m wire

**0DHE03**
Ceiling mount EZCLICK with 1m rod

**0DEM03**
L connector

**0DEF03**
1 M 48V track

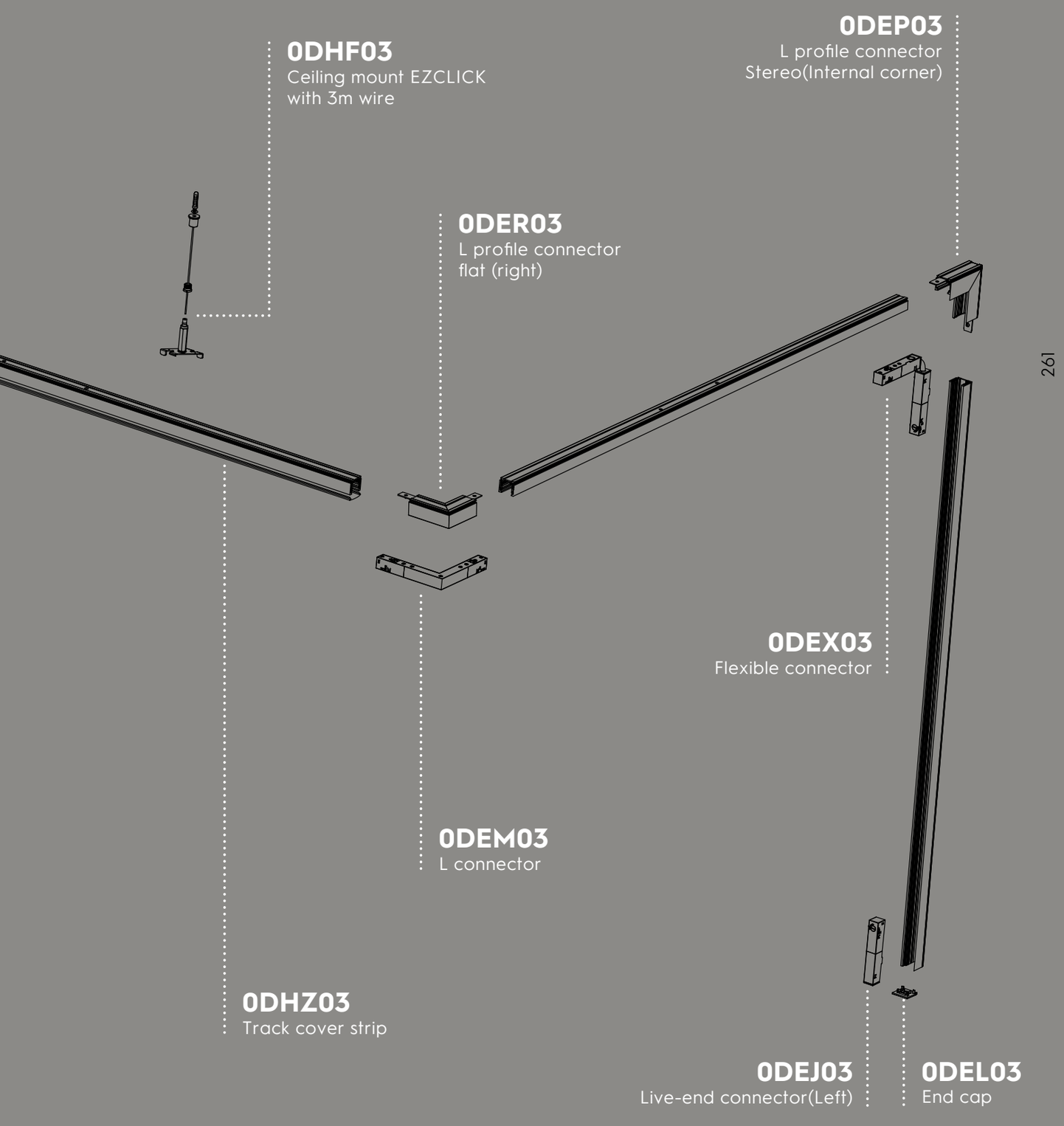
**0DEG03**
2 M 48V track

**0DEH03**
3 M 48V track

**0DEN03**
I connector

48V TRACK SYSTEM ACCESSORIES DIAGRAM

ACCESSORIES



**0DHF03**
Ceiling mount EZCLICK
with 3m wire

**0DEP03**
L profile connector
Stereo(Internal corner)

**0DER03**
L profile connector
flat (right)

**0DEX03**
Flexible connector

**0DEM03**
L connector

**0DHZ03**
Track cover strip

**0DEJ03**
Live-end connector(Left)

**0DEL03**
End cap

# LED panel accessories

## LED Panel B / Cortina









### Surface mounting frame

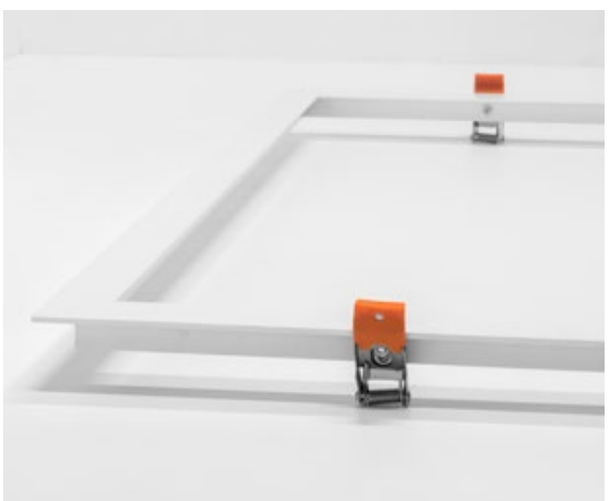
| | |
|---|---|
| Colour | White |
| Description | Surface mounting frame |
| Dimension | 600x600x65 mm |
| Item code | 001K03MW0102 |
| Type of material | Aluminium |













## Pendant kits

| | |
|---|---|
| Colour | Chrome |
| Description | Pendant set (4x 1,0m) |
| Item code | 001K03000402 |
| Type of material | Steel wire |

## Recessed frame

| | |
|---|---|
| Colour | White Ral 9016 |
| Description | Recessed frame |
| Dimension | 634x634 mm |
| Cut-out | 620x620 mm |
| Item code | 001K03MW0002 |
| Weight | 540gr |
| Type of material | Steel |



`Sensor in SAPP ceiling.



# Helvar Sensor integration & support

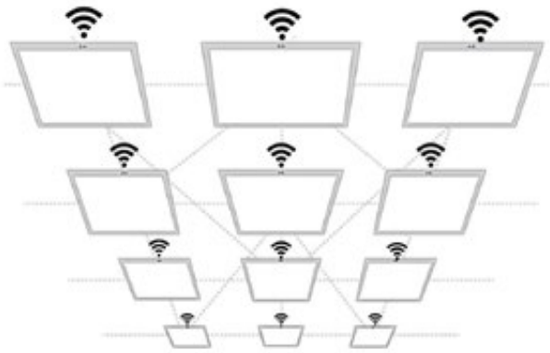


Luminaire with integrated sensor available through MIYO.

## INTEGRATING SENSORS INTO LIGHTING OR SAPP CEILINGS

The most common sensors are motion and daylight sensors. However, the sensor can also collect other types of data.

It is even possible to split a building's energy bill into different users.



## MESH NETWORK

- Provides valuable data within a building (including room usage)
- Efficient installation and perfect for renovations

## ENERGY SAVINGS

**45%**

Up to 45% of a building's total energy consumption is due to lighting.

**60%**

Using motion detection can save up to 60% energy.

**20-40%**

Implementing daylight control in an office environment can save 20-40% energy.

## INTELLIGENCE

Lighting is the most intricate network in a building. It is the perfect system for collecting data through sensor integration.

Self-learning systems ensure rapid commissioning.

Settings can be automatically optimized, resulting in an efficient and sustainable system.

## LEGISLATION

The most important lighting management standards we regularly encounter in the Netherlands are:

- BREEAM
- LEED
- WELL
- EPBB
- NOC*NSF (national)
- Fresh Schools (national)

National requirements may vary by country

## HEATMAP VISUALISATION




## COLLABORATION WITH SPECIALIZED PARTIES

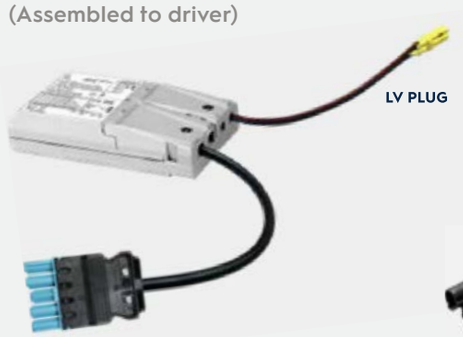
With today's demands, lighting management has become a specialization in itself. That's why Illuxtron is happy to collaborate with specialists like Helvar to integrate sensors into its lighting. By working together, we can also explore additional benefits, such as being able to power two or more fixtures from a single power supply.

## ABOUT HELVAR

- Global organization (NL: 45 people and 40% market share)
- Support in consulting, preparation, commissioning, and support.
- Extensive knowledge of Dali
- Strong in hybrid lighting management (combination of wired and wireless systems)
- Integration with other building management systems (e.g., alarm systems)

# GST18 system 16A

GST18 Plug & Play Solutions
(Assembled to driver)




GST18 CABLING ON REQUEST







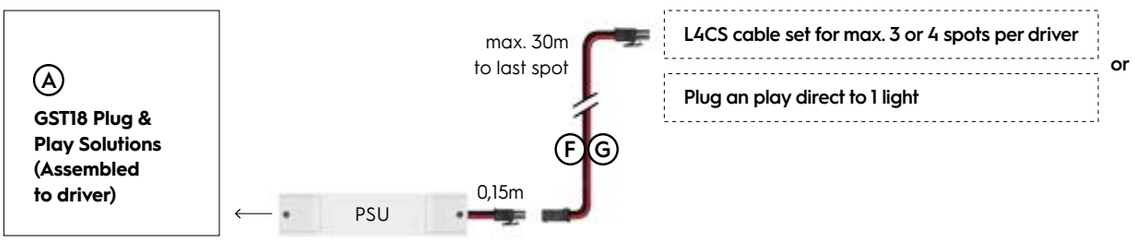



Possibility to add special cables to the luminaries/power supplies. For other types of cables (not mentioned in the table) ask our sales department.

PLUG & PLAY / DISTRIBUTOR

## PLUG & PLAY CABLE SYSTEM 3/5P

**FEATURES**
- Professional 16A Plug & Play system
- 3 or 5 wire system
- Widely spread in lighting market




## ITEM SPECIFICATIONS

| | Description | Class | Length | Item code |
|---|---|---|---|---|
| A1 | Euro plug incl. cable | II | 2.0 m | 015203BL1200 |
| A2 | Schuko plug incl. cable | I | 1.5 m | 1C5203BLA000 |
| A3 | UK plug incl. cable | II | 2.0 m | 0A5203BL1200 |
| A4 | 3P GST18 male incl. cable 2x0.75mm² | II | 0.3 m | 455203BL0000 |
| A4 | 3P GST18 male incl. cable 2x0.75mm² | II | 3.0 m | 455203BL1500 |
| A4 | 3P GST18 male incl. cable 3x0.75mm² | I | 0.3 m | 4A5203BL0000 |
| A4 | 3P GST18 male incl. cable 3x0.75mm² | I | 3.0 m | 4A5203BL1500 |
| A5 | 5P GST18 male 1-10V/Dali incl. cable 4x0,75mm² | II | 0,3 m | 655203BL0000 |
| A5 | 5P GST18 male 1-10V/Dali incl. cable 4x0,75mm² | II | 3,0 m | 655203BL1500 |
| A5 | 5P GST18 male 1-10V/Dali incl. cable 5x0,75mm² | I | 0,3 m | 6A5203BL0000 |
| A5 | 5P GST18 male 1-10V/Dali incl. cable 5x0,75mm² | I | 3,0 m | 6A5203BL1500 |
| A6 | BST14i male Dali incl. cable | III | 0.5 m | 095203BL0000 |
| A6 | BST14i male Dali incl. cable | III | 3.0 m | 095203BL1500 |
| A7 | 3P GST18 T-splitter male incl. cable | II | 0.2 m | 459203BL0000 |
| A7 | 3P GST18 T-splitter male incl. cable | I | 0.2 m | 4A9203BL0000 |
| A8 | 5P GST18 T-splitter male 1-10V/Dali | I / II | x | 659203BU0000 |
| A9 | BST14i T-splitter male 1-10V/Dali incl. cable | III | 0,2 m | 099203BL0000 |

# Distributor system 2,5A

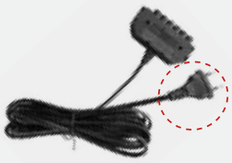
**B** 2P Plug
2m



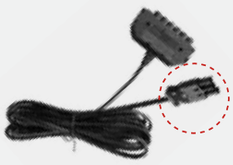
**C** 2P Extension cable
10m



**D** 2P Distributor 6x
+ Europlug



**E** 2P Distributor 6x
+ GST18 3P



**F** L4CS Extension cable
2m



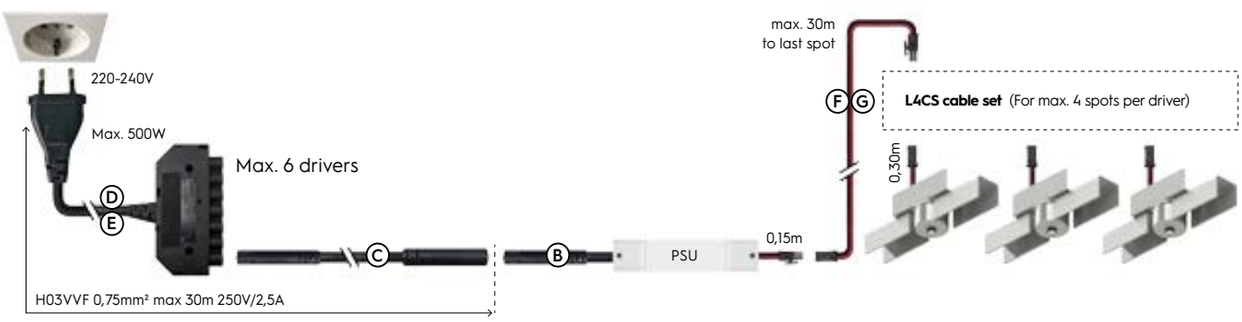
**G** L4CS Extension cable
10m



## DISTRIBUTOR SYSTEM 2P*

*Not for Dali

**FEATURES**
- Basic 2,5A Plug & Play system
- 2 wire system
- Not available for Dali




## ITEM SPECIFICATIONS

| Description | Specification | Class | Length | Item code |
|---|---|---|---|---|
| B 2P Plug 0,15m * | HV 0,15m male (0,75mm²) | II | 0,15 m | 6J5203BL1B02 |
| C 2P Extension cable | HV Ø7,6mm 2m m/f (0,75mm²) | II | 2.0 m | 6F5203BL1202 |
| D 2P Distributor 6x + Europlug | HV Ø7,6mm 6x + cable 3m 2,5A | II | 3,0 m | 665203BL2502 |
| E 2P Distributor 6x + GST18 3P | HV Ø7,6mm 6x + cable 3m 2,5A | II | 3,0 m | 665203BL1502 |
| F L4CS Extension cable 2m | LV 2m m/f (0,34mm²) | II | 2,0 m | 6B5203BL1202 |
| G L4CS Extension cable 10m | LV 10m m/f (0,34mm²) | II | 10,0 m | 6E5203BL1202 |

*Assembled to driver, not for Dali drivers.



# Re-Fit Retrofitting of linear lighting

**Energy efficient with best light quality**

**Plug & play**
Simple mounting with magnetic clips

Due to the phase-out of conventional light sources (T5, T8), a solution was developed that enables existing grid luminaires to be converted and used further. We offer Re-Fit Sets with the latest LED technology and guarantee simple and safe handling.

## FULLY CERTIFIED LED LIGHT SOURCE

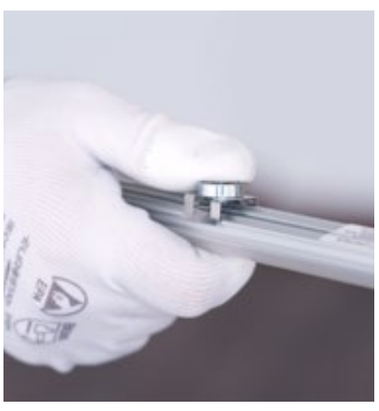
Fully certified LED light source in accordance with ENEC standard (CE, ENEC, UL, EN, etc.). Flawless product situation in terms of standards, liability and warranty. In contrast, the situation with LED tubes is always critical and contentious in terms of the warranty. When retrofitting LED tubes, the electrician must issue a new CE declaration of conformity for the retrofitted light source.

## RESILIENCE TO GRID FLUCTUATIONS

Convert the buffering for a longer service life (LED module not directly connected to 230V/50Hz) 70,000 h L80B10.



IP54 Protection of the luminaire (Electronic ballast IP20)



## FLICKER-FREE

No blanking intervals as LEDs are not directly connected to 230V/50Hz.

## TOP COLOUR RENDERING

And excellent viewing comfort thanks to CRI92.

## FEATURES

- Ideal for retrofitting fluorescent tubes
- Plug-and-play solution with a cinch connection system
- High efficiency achieved through light control and integrated heat dissipation
- Excellent illumination provided by a combination of SMD LEDs and innovative optics
- Safe operation with safety extra-low voltage
- Simple installation with fixing plates
- Moisture protection is ensured by sealing the modules
- End caps made of durable PBT and secured with screws
- Dimmable feature available
- Light colour options: 2700K, 3000K, and 4000K

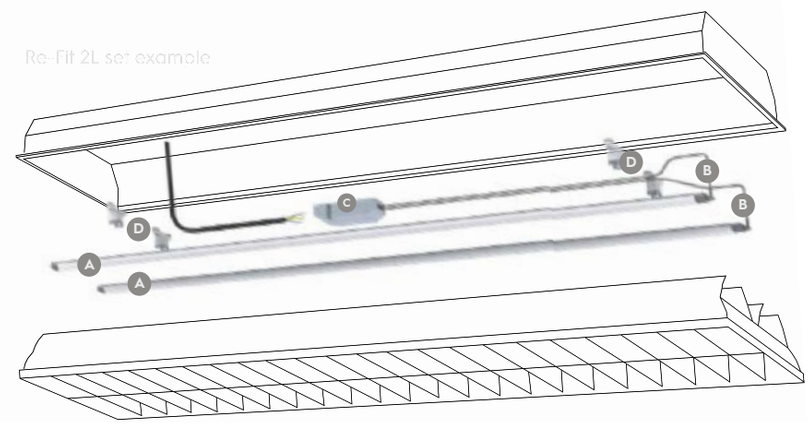


The existing luminaire housing can remain. No structural measures on the ceiling required.

## RE-FIT SETS UP TO 4L



Re-Fit 1L set example




Re-Fit 2L set example

KILEO
MEMBER OF LUMITECH GROUP

Scan this QR for an installation video.



- A Re-fit luminaire
- B Feeder cable
- C PSU
- D Mounting holder(s)

## LENGTHS



516 mm
1L, 2L, 3L and 4L

843 mm
1L and 2L

1124 mm
1L and 2L

1450 mm
1L and 2L

Other lengths can be requested

**Ask our sales department for more information!**

# Definitions and abbreviations

| | |
|---|---|
| HV-FD | High Voltage Flicker-free Dimming (driverless) |
| LV | Low Voltage (constant current) incl. PSU |
| LV-HE | Low Voltage (constant current) incl. PSU - High Efficient phosphor technology |
| LVC | Low Voltage (constant current) excl. PSU |
| LVC-HE | Low Voltage (constant current) excl. PSU - High Efficient phosphor technology |
| L4CS | Lighting for Ceiling Solutions excl. PSU |
| PSU | Power Supply Unit |
| LV-DTW | Low Voltage (constant current) incl. PSU - Dim To Warm |
| LV-TW | Low Voltage (constant current) incl. PSU - Tunable White (2-channel) |
| HCL | Human Centric Lighting - Visual system, usually not focused on health claims |
| BCL® | Biocentric Lighting - Besides visual also focused on health claims (BCL® is registered by Brainlit) |
| m-EDI | Melanopic Equivalent Daylight Illuminance (space quality) |
| m-DER | Melanopic Daylight Efficacy Ratio (effectiveness of the spectrum of the luminaire) |
| Vf | Forward Voltage (Driver required which can handle this Vf) |
| CS | Supplied with concrete springs to be installed in concrete or gyproc ceilings (metal only with the right thickness). See page 44. |
| GS | Supplied with gyproc springs to be installed in gyproc ceilings (metal only with the right thickness). See page 44. |
| WS | Supplied with wire springs to be installed in gyproc and metal ceilings. See page 44. |
| COB | Chip On Board |
| UGR | Unified Glare Rating |
| CRI | Colour Rendering Index |
| PIR sensor | Motion sensor |
| AC LED | High Voltage LEDs (230V products) |
| DIP-switch | Manual adjustable switch (Dual in Line) |
| IP rate | Ingress Protection rating (water and dust protection) |
| IK rate | Impact protection rating |
| Efficacy | The actual lumen output in relation to the incorporated power system |
| Pf | Power Factor |
| W | Watt |
| K | Kelvin |
| MW | Colour: white |
| BL | Colour: black |
| EMC | Electromagnetic Compatibility |
| Tj | Junction Temperature |
| Ta | Ambient Temperature |
| Tc | Contact Temperature |
| Lm | Lumen |




Edition 20260227.

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