



CIES Crosswalk Luminaire 12LED 40W

Smart lighting for the benefit of public security

CIES Crosswalk is a smart LED pedestrian lighting solution aimed at improving citizen safety, as it increases the visibility of pedestrians in crossing areas, reducing the risk of run-over. The complete solution consists of the CIES Crosswalk luminaires, with specific optics and colour temperatures for crosswalks, and the highly sensitive motion sensors (Ref. 693021 and 693022, not included) that detect pedestrians in walking areas.

The purpose of CIES Crosswalk is to reinforce road safety by preventing accidents caused by inadequate visibility at pedestrian crossings. It is also ideal for reducing the danger of streets with little pedestrian traffic, housing estates or walking areas. Thanks to the presence sensor and communication between luminaires, the lighting level is raised when a pedestrian is detected, highlighting their presence. By increasing visibility, the light acts as a deterrent, contributing to public safety, allowing potential dangers to be detected and reducing the likelihood of aggression, theft or damage.

The CIES Crosswalk lighting solution is an investment in public safety. It has optics that highlight the waiting area and the entire pedestrian crossing, in contrast to the rest of the environment, as well as fully illuminating the figure of the pedestrians. The different optics on the right and left allow the use of the columns already installed, without needing to replace them, and provide

flexibility for placement in one or two lanes, in several directions, etc. The luminaires, located at each end of the pedestrian crossing, synchronise when they detect the appearance of a pedestrian on either side, increasing the level of luminosity at the moment of crossing.

In addition, CIES Crosswalk is made of a rust-proof technical polymer, providing excellent resistance to weathering, even in the most adverse climatic conditions. It is a complete insulating material, which offers maximum electrical safety. On the other hand, LED lighting provides high quality illumination and high energy efficiency, covering the lighting needs of users, ensuring visibility and avoiding glare while maximising savings.

In conclusion, CIES Crosswalk is a smart, durable, customizable, and environmentally-conscious choice, ideal for enhancing urban safety efficiently and in an eco-friendly way.

| | |
|--------------|---------------|
| Ref. | 60099200 |
| EAN13 | 8424450306598 |

Other features

| | |
|-------------------------|--------------|
| Number of LEDs | 12 |
| Lighting control | Programmable |
| Power | 40.00 W |

Physical data

| | |
|---------------------|-----------------------|
| Net weight | 4,151.00 g |
| Gross volume | 23.10 dm ³ |
| Gross weight | 5,351.00 g |
| Width | 263.00 mm |
| Height | 249.00 mm |
| Depth | 504.00 mm |

Packaging info

Box 1 pcs.

Main product weight

4,151.00 g

Highlights

- **High durability and resistance:** being a column-mounted luminaire, it avoids the damage caused by the passage of traffic suffered by floor luminaires, increasing their service life
- **Total immunity to corrosion and oxidation:** prevents degradation of the luminaire even in extreme environments
- **Specific optics for pedestrian crossings:** allows the luminaire to be placed on both sides of the crosswalk and to take advantage of existing columns
- **Synchronised and programmable sensors:** they communicate with each other to simultaneously illuminate a zebra crossing or progressively illuminate a path. In addition, they allow customisation of parameters such as response time or switch-on time
- **100% electrical safety:** the technical polymer construction offers a fully insulated class II solution
- **Customisable colour that lasts over time:** it emphasises the walking area even during the day thanks to the range of colours available. The colour injected during the manufacturing process offers excellent durability
- **Eco-friendly luminaire:** manufactured with recyclable materials, in a process that minimises the carbon footprint. In addition, the lightweight materials optimise transport, installation and maintenance, helping to reduce transport emissions

Discover

Our ranges of luminaires encompass a wide range of powers and number of LEDs, in addition to being customizable in the types of lighting control, colour temperatures, optics and their light distribution, and finishes. **A product can be configured according to these parameters, and ordered by its numerical or logical reference**, as follows:

Selecting the luminaire by the numerical reference:

This is a numerical code made up of 14 digits:

- The first 6 digits represent a code that depends on the Series of the luminaire, the number of LEDs and the power
- The next 8 digits allow you to choose the configurable parameters of the luminaire: lighting control, colour temperature, type of optics and finish

| Series | | Dimming | | Colour Temperature | | Optics | | Finish | |
|---------------|----------------------------------|-----------|-------------------|--------------------|-----------------|-----------|---------------|-----------|---------------|
| 631703 | <i>Urban Alameda E 24LED 53W</i> | 00 | <i>No Dimming</i> | 18 | <i>PC Amber</i> | 02 | <i>SP</i> | 02 | <i>Black</i> |
| 631713 | <i>Urban Alameda E 24LED 39W</i> | 01 | <i>Dimming</i> | 22 | <i>2200K</i> | 11 | <i>D90</i> | xx | <i>Custom</i> |
| | | | | 27 | <i>2700K</i> | 17 | <i>T2-C90</i> | | |
| | | | | 30 | <i>3000K</i> | 18 | <i>T3-B90</i> | | |
| | | | | 40 | <i>4000K</i> | | | | |

Selecting the luminaire by logical reference:

This is an alphanumeric code composed of an unlimited number of characters, describing the luminaire's characteristics using logical abbreviations, to facilitate its interpretation. It is divided into 2 groups of characters, separated by a hyphen:

- The first group specifies: the luminaire series, the number of LEDs, the colour temperature, and the lighting control
- The second group specifies: the type of optics, the finish and the power

An example of a logical reference: UA2418D-D90BL53

- **UA** – *Urban Alameda*
- **24** – *24 LEDs*
- **18** – *Colour Temperature: PC Amber*
- **D** – *Dimming included*
- **D90** – *D90 Optics*
- **BL** – *Black colour*

- 53 – 53W Power

| Range & LED number | | Colour Temperature | | Dimming | | Optics | Finish | | Power | | |
|--------------------|------------------------------|--------------------|-----------------|----------|-------------------|------------|-----------|---------------|-----------|------------|--|
| UA24 | <i>Urban Alameda E 24LED</i> | 18 | <i>PC Amber</i> | (∅) | <i>No Dimming</i> | SP | BL | <i>Black</i> | 53 | <i>53W</i> | |
| | | 22 | <i>2200K</i> | D | <i>Dimming</i> | D90 | xx | <i>Custom</i> | 39 | <i>39W</i> | |
| | | 27 | <i>2700K</i> | | | | | | | | |
| | | 30 | <i>3000K</i> | | | | | | | | |
| | | 40 | <i>4000K</i> | | | | | | | | |

Graphic documentation



Light distribution curve



Light distribution curve



Light distribution curve

Features

Enhanced safety on all types of roads



CIES Crosswalk is especially useful for urban areas with a high density of traffic and pedestrians, where the number of distractions for both is high, as about 90% of road accidents happen in these areas.

The solution is also crucial for interurban roads, where vehicles travel at higher speeds and reaction time is shorter. In addition, the lower frequency of pedestrians means that drivers pay less attention to their appearance. Accidents on this type of road have a high fatality rate, so prevention with specific lighting to improve visibility is essential.

Finally, safety at zebra crossings is particularly important near schools, parks or on Safe Routes for Schools, where children often walk or cycle. They are more difficult to see because of their small

stature, are much more vulnerable to impact, and are often more unpredictable and distracted. Therefore, reinforced attention by improving contrast in passing zones can be decisive in avoiding accidents.

Commitment to environment



Like the entire CIES range, CIES Crosswalk is an environmentally friendly luminaire in many aspects. It optimises energy savings and limits light pollution, as the luminous intensity is regulated according to the presence of pedestrians. The luminaires operate at 30% of their full power while the area is clear and the power is increased to 100% as soon as pedestrians are detected. In addition, it complies with IAC requirements for areas of special night sky protection (less than 0.1% luminous flux emission to the upper hemisphere). Finally, it is made of technical polymer, a very light and resistant material, optimising transport, installation and maintenance tasks related to public lighting.

Invulnerable in any environment



CIES is made of corrosion-proof materials: technical polymers with a proprietary formula and stainless steel. By avoiding the use of mixed metals, the possibility of galvanic corrosion is completely eliminated, thus ensuring a long life for the luminaire. Its UV-stabilised technical polymer casing is vandal-resistant, withstanding impacts of IK10 level. CIES is the ideal luminaire for maritime areas, as it is particularly resistant to exposure to adverse weather conditions with high levels of humidity and/or salinity.

Perfect thermal management



The CIES luminaire has a passive cooling system for the light source. High-quality thermopolymer heat sinks ensure thermal conductivity, resulting in great temperature stability.

In addition, the electronics compartment is separated from the LED modules, which prevents heat transfer between the two points. Thanks to the thermal protection of the electronics, the light's lifetime is maximised (L90B10 > 100,000h at 25°C) and its efficiency is greatly improved (up to 160 lm/W).

Easy installation and maintenance



CIES has been designed to simplify installation and maintenance tasks as much as possible. From its light weight and handy format, to its tool-free cover opening and locking system, facilitating on-site replacement of any of its components.

Moreover, the luminaire has a self-cleaning system thanks to the grooves located in the top part of the luminaire, helping to clean and preventing possible degradation due to the accumulation of dirt.

Environmentally friendly under the 3 R's



In order to reduce environmental damage and take care of our planet, we take responsibility to contribute by following the 3 R rule:

- Reduce: Our manufacturing process reduces by 50% the carbon footprint generated, compared to aluminium equivalents
- Reuse: The luminaire can live on in the infrastructure, thanks to a LED module and driver replacement sustainably, supporting the circular economy
- Recycle: The luminaire is made of 100% recyclable materials

100% electrical safety



This luminaire has the best levels of electrical protection: its Class II guarantees safety without the need for ground connection thanks to the double isolation of the components. Furthermore, the SELV certificate guarantees an output voltage of less than 60V, minimising the risk of electrocution in the event of system failure. In addition, its driver, optical group and IP68 connections offer integral protection to all the optical and electronic elements against the ingress of water and dust, eliminating any effect caused by external agents.

Finally, the casing made of technical polymer (non-conductive material) eliminates completely the possibility of electrocution in the event of contact with the luminaire.

Televés quality guarantee



Our cutting-edge facilities are equipped with all the means to guarantee a quality and reliable luminaire, highlighting precise traceability and rigorous verification of all processes. This is possible thanks to an advanced methodology of product design under simulation and in-house manufacturing on robotised lines, in collaboration with national and local providers.

A world of possibilities



CIES Crosswalk offers multiple alternatives to give a unique and exclusive style to your luminaires:

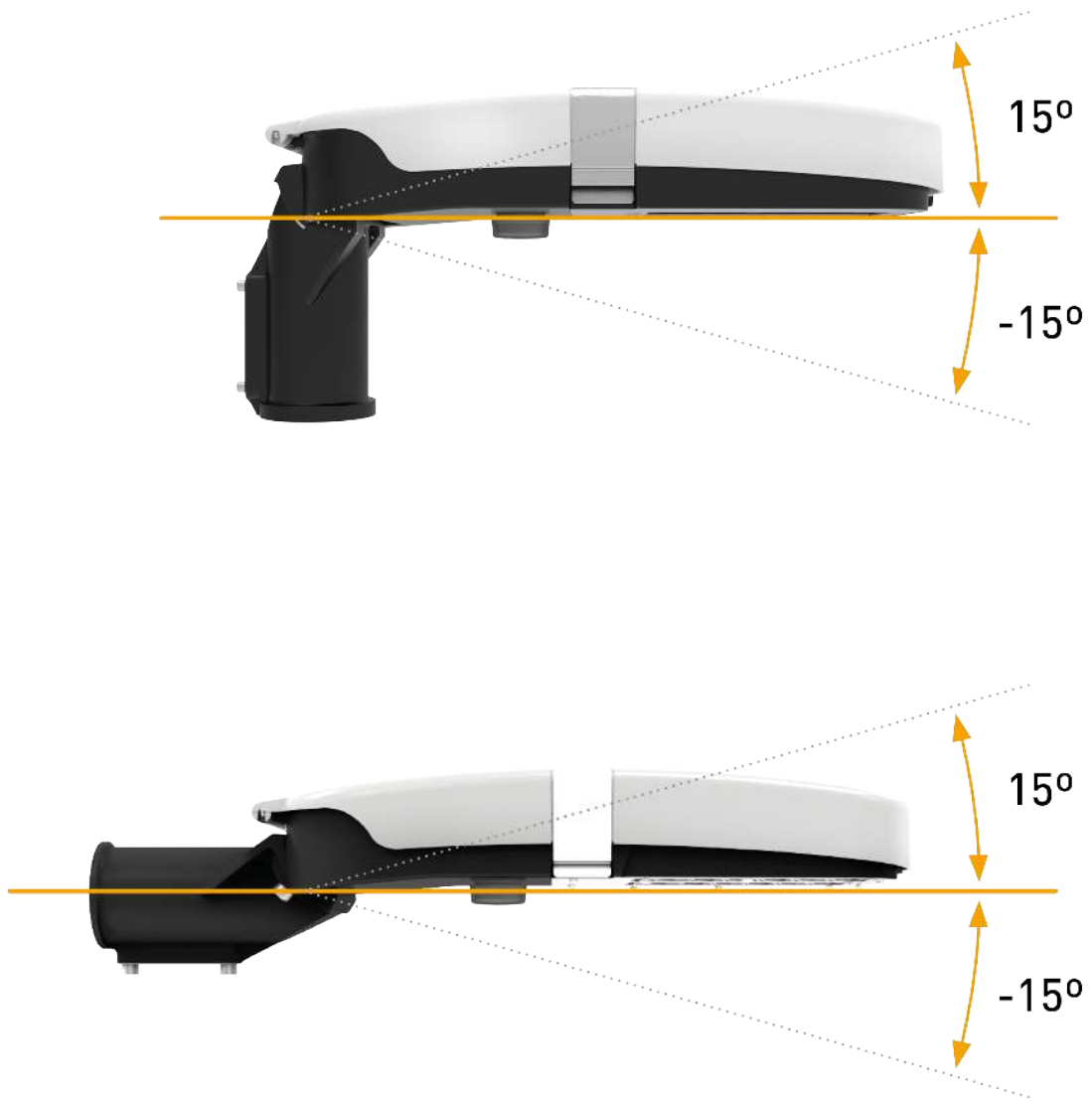
- A wide selection of highly homogeneous colour temperatures (SDCM<3): 3,000, 4,000, 5,000 and 5,700°K
- 2 types of specific optics for crosswalks (PX and PXL) and one optic for promenades (T3) are available
- CRI>70 and available on request CRI>0 and CRI>90

And if you don't find what you are looking for, we have even more options available on request. We are pleased to study your project in a tailored, non-binding way. Contact us, and we will help you choose the perfect lighting.

Mounting details

Quick and easy mounting by using a single accessory for vertical and horizontal position of great strength and durability, made from a specially-formulated technical polymer.

The rotation of the lighting unit can be adjusted up to 30°. It is also adaptable to posts, columns and arms with Ø 42 to 60 mm, and adapters are available for other diameters.



Indication of tilt angles for quick calibration for easy installation.



Tool-free top opening for access to electronics and LED module. Electrical disconnection on opening to minimise the risk of electrocution.



Technical specifications : Ref. 60099200

| | | | | | | | |
|---|----------------|-------|-------|-------|-------|--|-----------------------------|
| Number of leds | | | | | | | 12 |
| Power | W | | | | | | 40 |
| Pre-programmed dimming | | | | | | | No |
| Control interface | | | | | | | Dali 2 |
| Node/sensor connection type | | | | | | | 1x Zhaga |
| Optic type options | | | | | | | PX |
| Lens type | | | | | | | PMMA lens |
| Color temperature options | | 2200K | 2700K | 3000K | 4000K | | PC Amber |
| Luminous flux | lm | 4540 | 4996 | 5520 | 5720 | | 2340 |
| Lighting efficiency | lm/W | 113.5 | 124.9 | 138 | 143 | | 58.5 |
| LED current | mA | 500 | 500 | 500 | 500 | | 1000 |
| Duration | h | | | | | | 100000 |
| Working life | | | | | | | L90B10 |
| Constant light output (CLO) | | | | | | | Yes |
| Standard Deviation Colour Matching (SDCM) | | | | | | | < 3 |
| Color rendering index (CRI) | | | | | | | 70 |
| CE Mark | | | | | | | Yes |
| ENEC Certificate | | | | | | | No |
| Protection Class IEC | | | | | | | Class II |
| EU RoHS Compliant | | | | | | | Yes |
| IK Rating (light module) | | | | | | | 10 |
| IK Rating (whole luminaire) | | | | | | | 10 |
| IP Rating (light module) | | | | | | | 66 |
| IP Rating (whole luminaire) | | | | | | | 66 |
| Color | | | | | | | White/Black |
| Material | | | | | | | Technical Polymer |
| Material cover | | | | | | | Without cover |
| Fixation Material | | | | | | | Technical Polymer |
| Mast diameter Max | in | | | | | | 2.362 |
| Mast diameter Min | in | | | | | | 1.654 |
| Mounting method | | | | | | | Post top/side entry |
| Surface facing the wind | m ² | | | | | | 0.115 |
| Number of LED modules | | | | | | | 1 |
| Minimum power factor | | | | | | | 0.9500 |
| Lighting source type | | | | | | | LED |
| Replaceable light source | | | | | | | Yes |
| Cable | | | | | | | Yes |
| Power consumption tolerance | % | | | | | | 5 |
| Lighting flux tolerance | % | | | | | | 8 |
| Electric connection | | | | | | | 3-pole waterproof connector |
| Inrush current | A | | | | | | 54 |
| Input voltage Max | Vac | | | | | | 240 |
| Input voltage Min | Vac | | | | | | 220 |
| Mains frequency | | | | | | | 50 Hz |
| Max. Operating temperature | °F | | | | | | 104 |
| Min. Operating temperature | °F | | | | | | -31 |