

**Schröder**  
Experts in lightability™

# Smart Lighting solutions

To create safer, vibrant and inclusive environments



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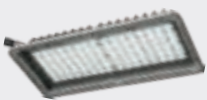
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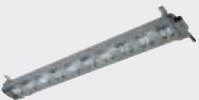
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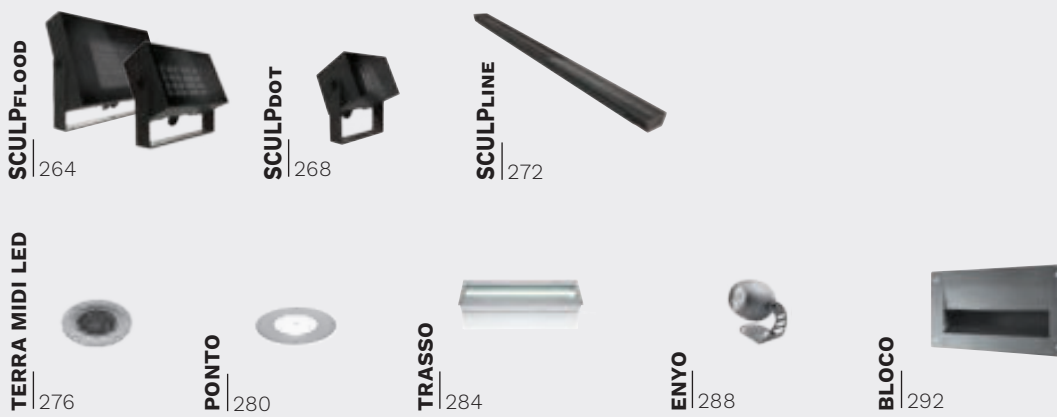
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# Schröder

## lights up your environment

Complete solutions for all your projects

Imagine the space you wish to create. To achieve this dream, you need a strong partner that understands all the stakes involved.

- **To help you design the framework.**
- **To consider the people who will use it.**
- **To study how they will interact.**
- **To pay attention to the rules.**
- **To figure out the challenges.**

To help you make the most of your landscape, Schröder has developed a comprehensive approach to offer full scope solutions for every kind of environment. Our digital lighting range transforms public and private spaces into safe, comfortable, sustainable and smart environments with engaging experiences for the users and operational benefits for the managers

For each project, Schröder offers lighting solutions with a short payback and an optimised return on investment.

Whether lighting a square, street, road, complex, tunnel or industrial facilities or illuminating architecture or a sports venue, Schröder offers a large product portfolio to guarantee the perfect solution that satisfies all aesthetic, performance and efficiency criteria.

Whether you run a city, a utility company, a road or tunnel, a sports arena, a retail facility or an industrial company, Schröder can provide you with a lighting solution that satisfies all of your challenges and expectations.



City &  
Municipality



Transport  
Infrastructure



Complex  
& Venue



Industry



## Offering the utmost **flexibility**

Schröder has developed several photometric engines to provide the best solution for every application and project in terms of performance, comfort and return on investment. These different concepts have been designed to build a versatile state-of-the-art LED product portfolio.

Our large range of photometric engines mix the number of LEDs, driving currents and light distributions to perfectly satisfy the needs of each environment to be lit.

LENSO  
**FLEX**® 2

LENSO  
**FLEX**® 3

BLAST  
**FLEX**™

RE  
**FLEXO**™



PRO  
**FLEX**™

# LensoFlex®2



LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. It is the number of LEDs in combination with the driving current that determines the intensity level of the light distribution. The proven LensoFlex®2 concept includes a glass protector to seal the LEDs and lenses into the luminaire body.

## Key characteristics

- Protector: glass
- LED type: high-power 2mm<sup>2</sup>
- Lenses: PMMA
- Back light control: added to the lenses as an option



# LensoFlex®3



The LensoFlex®3 photometric engine, like LensoFlex®2, is based upon the addition principle of photometric distribution; each LED is associated with a specific lens that generates the complete photometric distribution of the luminaire. The main difference is the material used for the lenses.

LensoFlex®3 uses lenses made of mouldable and optical-grade silicon offering superior transparency and excellent photothermal stability. This withstands high driving currents and delivers maximise lumen output over time.

As silicon offers a higher thermal resistance compared to PMMA, temperature is not as critical for LensoFlex®3 engines. This offers two distinct advantages; LensoFlex®3 ensures an enhanced performance in warm climates or enables a high driving current to be used to increase the lumen output and a higher lm/kg ratio.

## Key characteristics

- Protector: glass or polycarbonate
- LED type: high-power 4mm<sup>2</sup>
- Lenses: silicon
- Back light control: directly incorporated into the lenses for certain light distributions



# ProFlex™



Compared to the LensoFlex® concept, the ProFlex™ photometric engine differs by directly integrating the lenses into a polycarbonate protector. This integration increases the output and reduces the reflection inside the optical unit.

The polycarbonate used for the ProFlex™ photometric engine offers essential characteristics such as high optical clarity for a superior light transmission, better impact resistance compared to glass and a long life span with UV-stabilisation treatment.

The ProFlex™ concept enables a more compact design with a thinner optical compartment. It provides more extensive light distributions so that the spacing between the luminaires can be increased.

## Key characteristics

- Protector: polycarbonate
- LED type: high-power 2mm<sup>2</sup>
- Lenses: integrated in the protector
- Back light control: added to the protector as an option



# MidFlex™



MidFlex™ takes advantage of the maturity of mid-power LEDs for professional applications. The concept is quite similar to LensoFlex™2 as it includes PMMA lenses and a glass protector.

The MidFlex™ photometric engines are based on the combination of several modules of mid-power LEDs tightly positioned to maximise the LED density. This configuration limits the photometries to medium light distributions.

## Key characteristics

- Protector: glass
- LED type: mid-power
- Lenses: PMMA
- Back light control: not available





# BlastFlex™



Using silicon collimators, the BlastFlex™ photometric engine offers the highest efficacy for directional beams dedicated to specific applications in architectural and sports lighting.

The ability to control the light with the highest accuracy reduces the light spill in the surrounding areas and contributes to an optimal use of the energy consumed.

Thanks to a superior thermal resistance, the BlastFlex™ optics can work with very high currents to provide large lumen packages and do not suffer from the yellowing effect over time.

## Key characteristics

- Protector: glass
- LED type: high-power 4mm<sup>2</sup>
- Collimators: silicon
- Back light control: not needed



# ReFlexo™



Using metal reflectors with a superior reflective co-efficient, the ReFlexo™ photometric engine delivers high performance for specific applications such as counter beam lighting in tunnels or very extensive light distributions for sports or apron lighting.

Another key advantage of the ReFlexo™ is its' ability to direct all the light to the front of the luminaire, ensuring that no back light is emitted.

This photometric engine guarantees glare free lighting for excellent visual comfort and the creation of ambiance.

## Key characteristics

- Protector: glass
- LED type: high-power 2mm<sup>2</sup> or 4mm<sup>2</sup>
- Reflectors: anodised aluminium with a superior reflective co-efficient
- Back light control: not needed



# SMART







# Smart City enabler

Imagine a lighting network that can adapt itself to the real needs of the space being lit. Consider how a real-time reporting system could improve the efficiency of your network. Think of what you could achieve with a network that interacts with IoT devices. Envisage precise analytical data to help you make the right decisions. Owlet is the ideal tool to help you achieve your Smart City vision.

Whether you are in charge of a city, transport infrastructure, a private venue or industrial facilities, optimising the workflow and budget are the top priorities. However, the safety and well-being of people cannot be compromised to generate savings. Schröder's Owlet control solutions offer real operational benefits for managers while creating engaging experiences for the users.



# We offer **3 levels of lighting control solutions**, from basic to advanced



## Stand-alone solutions

### **Recommended for basic smart lighting**

Each luminaire is fitted with a control unit and can be managed independently. This type of control system is ideal for areas with little activity at night such as pedestrian areas, parks, car parks and warehouses. Owllet stand-alone solutions encompass:

- intelligent drivers with features such as an astronomical clock for a constant adaptation of the dimming profile, constant light output to eliminate overlighting and scheduled dimming with multi-level programmes;
- integrated photocells to switch the luminaire on or off following the level of natural light;
- motion and speed detection sensors that enable interactive dimming.



## Autonomous network

### **Recommended for non-linear activity areas**

The Autonomous Network Dimming system enables luminaires to communicate together in a closed wireless network to provide dynamic profile dimming. The dimming profile can be easily changed by simply connecting a wireless laptop to one luminaire without using any tools. This system can be enhanced with motion and speed detection sensors. When motion is detected, the detection scenario supplants the dimming scenario to provide safety and comfort for users. The sensors can be centralised or decentralised. Each luminaire is fitted with a control unit and can be managed independently. The autonomous network is perfectly suited to streets, roads, squares, parks, sport fields etc.



## Interoperable network

### **Recommended for entire outdoor lighting installations**

The Schröder Owllet IoT is a remote control system for monitoring, metering and managing a lighting network. It is a unique combination of state-of-the-art technology and an easy-to-use web interface to control each luminaire at all times from anywhere in the world. With bi-directional communication, the operating status, energy consumption and possible failures can be monitored. Based on Open Standards, Owllet IoT can interact with larger smart city platforms to exchange data or interoperate with neighbouring systems so that you can gain important data to:

- rethink services
- create new opportunities
- enrich citizen experiences.

In short, you can create valuable services for the users of your spaces while taking advantage of strong operational benefits!

# Owlet IoT

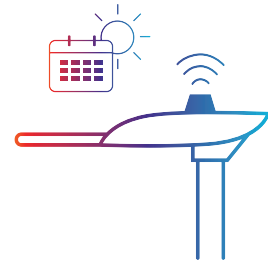
The ultimate city management system

**Owlet IoT remotely controls luminaires in a lighting network, creating opportunities for improved efficiency, accurate real-time data and energy savings of up to 85%.**

## ALL-IN-ONE

### Integrated features

The LUCO P7 CM controller includes the most advanced features for an optimised asset management. It also provides an integrated photocell and operates with an astronomical clock for seasonal dimming profile adaptations.



## EASY TO DEPLOY

### Quick installation

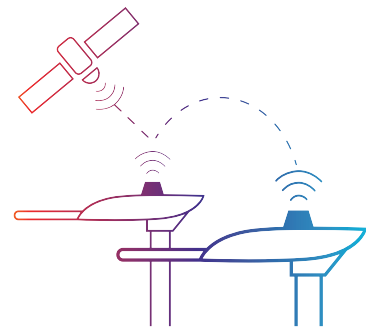
Thanks to wireless communication, no cabling is needed. The network is not subject to physical constraints or limitations.

### FutureProof and scalable

From a single control unit to an unlimited network, you can expand your lighting scheme at any time.

### Plug+Play

With real-time geolocation and an automatic detection of the luminaire features, the commissioning is quick and easy.



## USER-FRIENDLY

### Automatic asset location

Once a controller is installed on a luminaire, the luminaire automatically appears with its GPS coordinates on a web-based map.

### Personalised dashboard

An easy-to-use dashboard enables each user to organise and customise screens, statistics and reports. Each user can gain relevant, real-time insights.

### Responsive interface

The Owlet IoT web application can be accessed at all times from anywhere in the world with a device connected to the Internet. The application adapts to the device to offer an intuitive and user-friendly experience.

### Notification system

Real-time notifications can be pre-programmed to monitor the most important elements of the lighting scheme.



## SECURE

### Redundant communication

The Owlet IoT system uses a local wireless mesh communication between the luminaires for instant reactions on-site combined with a remote control system utilising the cloud to ensure smooth data transfer to and from the central management system.



### Encrypted data

The system uses encrypted IP V6 communication to protect data transmission in both directions. Using a secure APN, Owlet IoT ensures a high level of protection.

### Fall-back scenario

In the exceptional case of a communication failure, the built-in astronomical clock and photocell will take over to switch the luminaires on and off, thus avoiding a complete blackout at night.

## EFFICIENT

### Adaptive dimming scenarios

Thanks to sensors and/or pre-programmed settings, the lighting scenarios can be easily adapted to cope with live events, thus providing the right lighting levels at the right time and in the right place.



### Accurate data

The integrated utility grade meter offers the highest accuracy available on the market today enabling decisions based on real figures.

### Valuable asset management

Accurate real-time feedback and clear reporting ensures that the network operates efficiently and that maintenance is optimised.

### Protected electrical grid

When LED luminaires are switched on, the massive inrush current can create problems for the electricity grid. Owlet IoT incorporates an algorithm to preserve the grid at all times.

## OPEN

### Based on industry standards

The LUCO P7 CM controller can be plugged onto the standard 7 pin NEMA socket and operates through either a DALI or 1-10V interface to control the luminaire.

### IoT ready

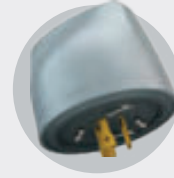
Owlet IoT is based on the IPv6 protocol. This method for addressing devices can generate an almost unlimited number of unique combinations to connect non-traditional components to the Internet or computer network.



### Third party

Through open APIs, Owlet IoT can be integrated into existing or future global management systems.

# Luminaire Controllers (LUCO)



**LUCO-ADP**

**LUCO-NXP**

**LUCO P7**

**LUCO P7 CM**

<b>INTEGRATION</b>	Inside the luminaire	Inside the luminaire	Plugged onto the external 7 pin NEMA socket	Plugged onto the external 7 pin NEMA socket
<b>CONTROL SYSTEM</b>	On-site software tool for set-up	Compatible with Owlet IoT	Compatible with Owlet IoT	Designed for the Owlet IoT City Management System
<b>DESIGNED FOR</b>	Local autonomous network	Interoperable network	Interoperable network	Interoperable network
<b>NETWORK SIZE</b>	2 to 1,000 light points	2 to 100,000 light points	2 to 100,000 light points	Unlimited
<b>COMMISSIONING</b>	Must be completed manually on-site (luminaire per luminaire)	Must be completed manually on-site (luminaire per luminaire)	Built-in GPS module for partial auto-commissioning	Full auto-commissioning
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Constant Light Output (CLO)</li> <li>• Virtual Power Output (VPO) to prevent excess lighting</li> <li>• Scheduled dimming</li> <li>• Light-on demand with sensors</li> </ul>	<ul style="list-style-type: none"> <li>• Constant Light Output (CLO)</li> <li>• Virtual Power Output (VPO) to prevent excess lighting</li> <li>• Scheduled dimming</li> <li>• Light-on demand with sensors</li> <li>• Reporting and remote adaptation of the lighting scenarios</li> </ul>	<ul style="list-style-type: none"> <li>• Constant Light Output (CLO)</li> <li>• Virtual Power Output (VPO) to prevent excess lighting</li> <li>• Scheduled dimming</li> <li>• Light-on demand with sensors</li> <li>• Reporting and remote adaptation of the lighting scenarios</li> <li>• Integrated photocell</li> <li>• Astronomical clock</li> </ul>	<ul style="list-style-type: none"> <li>• Constant Light Output (CLO)</li> <li>• Virtual Power Output (VPO) to prevent excess lighting</li> <li>• Scheduled dimming</li> <li>• Light-on demand with sensors</li> <li>• Reporting and remote adaptation of the lighting scenarios</li> <li>• Integrated photocell</li> <li>• Astronomical clock</li> <li>• Cable theft detection</li> <li>• Complete asset management (all luminaire data is captured)</li> <li>• Open to third party integration (backhaul for IoT applications)</li> </ul>



# Always connected to your **lighting scheme**

Thanks to a secure standard web application, you can access the Owlet IoT City Management System through any device with a web browser, be it a desktop computer, a laptop, a tablet or a smart phone, using a login and password. The responsive interface adapts to the size of the screen to offer an intuitive and user-friendly experience.



Owlet IoT can interact with other connected devices in the city such as environmental sensors measuring temperature, noise level and emissions. Thanks to its open API and its IPV6 communication standard, the system can provide data as input for features non-related to lighting. It can also use this data to create responsive lighting scenarios, for instance when road conditions become difficult, or simply bring data back to the control room where all city aspects are managed. Owlet IoT creates the backbone of a smart city architecture.

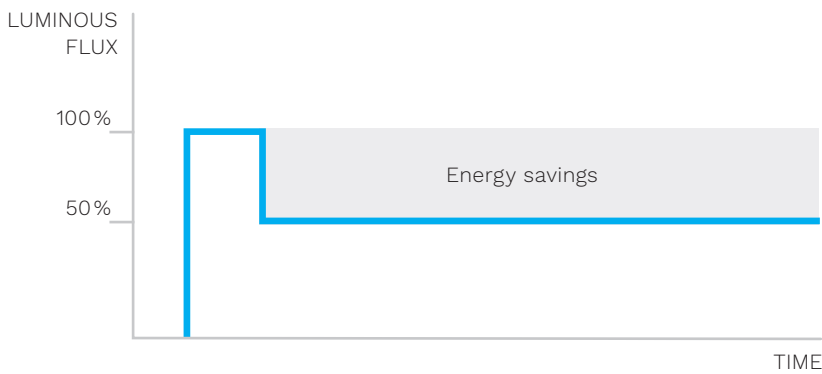


# Control features

## Bi-Power Functionality

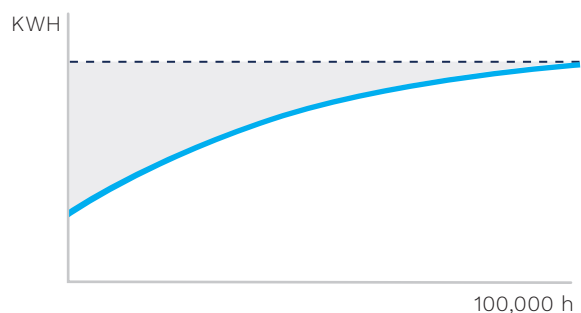
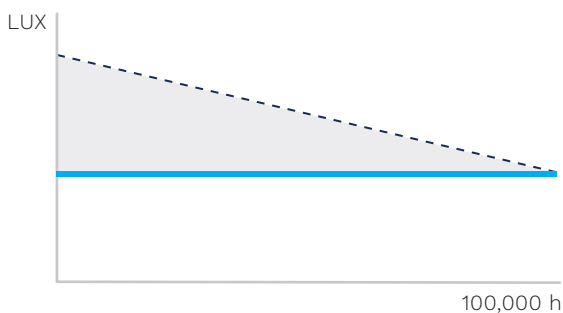
In several countries an extra wire, a so-called control wire or switched line, is distributed throughout the street lighting network. When the street lighting is switched on, both the line and the switched line are energized to the 230V level. At a certain point during the night this switched line is switched off from the grid. The bi-power driver detects this signal as a command to reduce the output current to a lower preset value. In most cases this value equals 50%.

This procedure is already common practice for luminaires fitted with traditional discharge lamps. For these sources however, the decrease in energy consumption generates limited savings. On the other hand, with LED equipped luminaires, the decrease in energy consumption is almost linear to the decrease in light output. The bi-power feature is a rather basic dimming method, lacking flexibility, but it generates considerable energy savings for night-time periods when less light is required.



## Constant Light Output (CLO)

Constant Light Output (CLO) is a system to compensate for the depreciation of luminous flux and to avoid excess lighting at the beginning of the installation's service life. In fact, the luminous depreciation that takes place over time must be taken into account to ensure a predefined lighting level during the luminaire's useful life. Without a CLO feature, this simply means increasing the initial power upon installation in order to make up for luminous depreciation. By precisely controlling the luminous flux, one can control the energy needed to reach the required level - no more, and no less - throughout the luminaire's life.

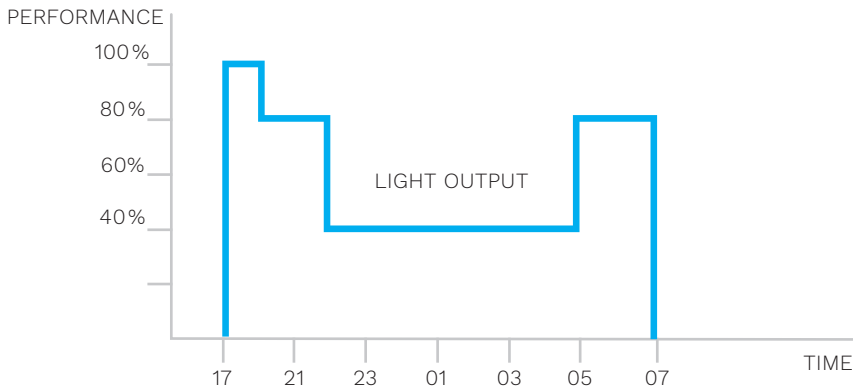


- Standard LED lighting level
- Lighting level required = LED lighting level solutions with CLO
- Excess lighting

- Standard lighting consumption
- LED lighting consumption with CLO
- Energy savings

## Custom dimming profile

Intelligent luminaire drivers can be programmed in the factory with complex dimming profiles. Up to 5 combinations of time intervals and light levels are possible. This feature does not require any extra wiring. The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



## Interactivity

### Light only when necessary

**To adapt the lighting to the real needs, our solutions may be equipped with sensors. They measure natural light levels, motion or speed to provide the right light only when and where it is required. This feature enables you to avoid unnecessary lighting in favour of energy savings.**

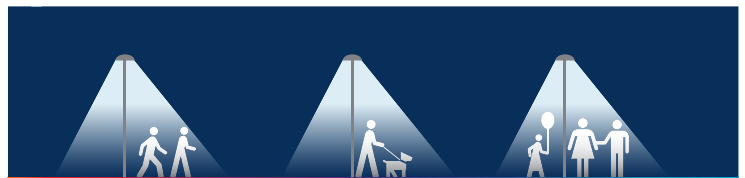
### Daylight sensors

Our solutions can be managed by photoelectric sensors that switch on the luminaires exactly when natural light becomes insufficient (cloudy day, night fall...) so as to provide safety and comfort in the public space.



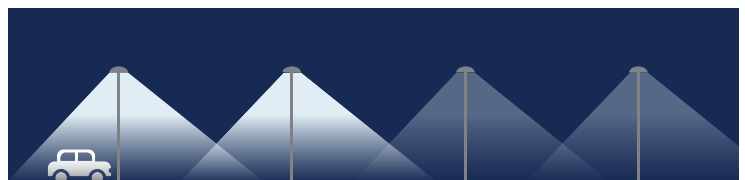
### Motion sensors

In places with little nocturnal activity, the lighting can be dimmed to a minimum most of the time. By using motion sensors, levels can be raised as soon as a pedestrian or a vehicle is detected in the area.



### Speed and direction sensors

Speed (and direction) sensors, on the other hand, work with a wider detection area to classify the identified moving item following its speed and its direction. This classification provides the right response according to predefined lighting scenarios. These light-on-demand functions enhance the safety and the well-being of the users while saving energy.



# Shuffle

Connecting people to  
their social environment





IP 66

PC  
IK 09

PC  
IK 10

PMMA  
IK 09

**More efficient. Smarter. Interactive. Connected. The digital revolution is here to serve people in a more and more challenging world. The Shuffle is much more than a lighting column. It connects people to their environment. Always.**

This modern interface creates added value for outdoor living spaces. With integrated features such as loudspeakers, CCTV, WLAN, EV chargers and visual guidance, the Shuffle goes far beyond professional lighting. It creates the best conditions to make people truly feel at home in public areas.

The safety, comfort and the sense of well-being provided by the Shuffle enables people to enjoy public areas both by day and by night.

The Shuffle is a cost-effective, complete solution that requires very low maintenance. Providing multiple requirements in a single column minimises the material needed in spaces and lowers the carbon footprint of an installation.



## Key advantages

- Multiple configurations: up to 5 modules per column
- 6 different lighting modules for a variety of solutions (360° lighting, 180° reflector, 180° LensoFlex®2, 180° spot, luminaire bracket and light ring)
- Total versatility with 360° rotatable modules
- Modules with beyond light features (CCTV camera, loudspeaker, WLAN, EV charger, intercom)
- Integrated 3G/4G antenna for enhanced mobile coverage
- Designed to incorporate the Owlet range of control solutions

## Characteristics

Shuffle	
Typical luminaire output flux (range)	1,300 to 5,900lm
Power consumption	20W to 55W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	10kV

## Main applications



URBAN & RESIDENTIAL STREETS



BIKE & PEDESTRIAN PATHS



SQUARES & PEDESTRIAN AREAS



CAR PARKS



RAILWAY STATIONS & METROS



SPORT AREAS

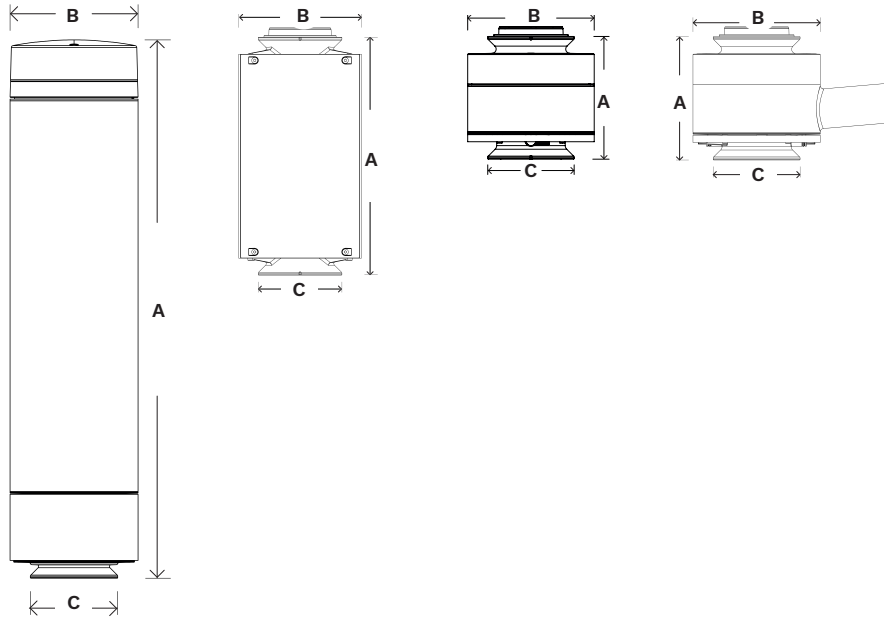


ACCENT & ARCHITECTURAL

# Shuffle

## Dimensions

	<b>360° module</b>	<b>180° module</b>	<b>Light ring</b>	<b>Luminaire bracket</b>
A	816mm   32.1"	380mm   15"	190mm   7.5"	190mm   7.5"
B	194mm   7.6"	194mm   7.6"	194mm   7.6"	194mm   7.6"
C	132.5mm   5.2"	132.5mm   5.2"	132.5mm   5.2"	132.5mm   5.2"



**6.84M / 22.5'**

MAX. 5 modules

**4M / 13'**

**2.28M / 6.5'**

Min. pole  
height





# Shuffle Lighting



## 360° LensoFlex®2

**Street lighting / Ambiance lighting  
/ Pedestrian crossing lighting**

- Lumen package range: from 1,600 to 4,500lm
- Back light control (optional)
- Warm or neutral white LEDs
- Diffuse protector available as an option for an enhanced visual comfort



## Spot

**Up/down (on-site adjustment): architectural lighting**

- Lumen package range: from 1,300 to 2,400lm
- On-site inclination angle settings: -10/+40°
- Warm or neutral white LEDs



## 180° LensoFlex®2

**Street lighting**

- Lumen package range: from 2,000 to 4,700lm
- Back-light control (optional)
- Warm or neutral white LEDs



## Light ring



**Signage / beautification (identity) / creation of ambiance**

- Red, blue, green, warm or neutral white LEDs
- 1 or 2 alternating colours



## 180° reflector

**Down: Street lighting / Ambiance lighting / Area lighting up: Architectural lighting**

- Lumen package range: from 2,300 to 5,900lm
- Neutral or warm white LEDs



## Luminaire bracket

**Street lighting / Pedestrian crossing lighting**

- For luminaire with mounting for Ø60mm/2"
- Inclination angle: +5°



# Beyond Lighting Connectivity



## WLAN

### Professional and secure wireless network

- Available in a 360° lighting module or in a dedicated module
- 2 versions: mesh network or wired network
- Dividable bandwidth: e.g. to assign a dedicated part to city operators and a restricted bandwidth for the general public



## Antenna module

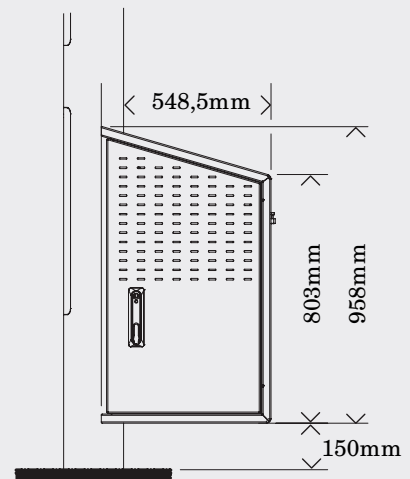
### Providing 4G capacity and coverage

- High-speed mobile connection
- Blends into the urban environment
- Dual band: 3G and 4G
- Easy site acquisition for mobile operators
- Range up to 100m
- Upgradable antenna can be added later, when additional capacity is needed



## Side cabinet

- The operator installs and owns the telecom equipment
- Easy access for maintenance
- Waterproof IP material
- Upgradable base module can be equipped for 5G networks



# Beyond Lighting Security



## CCTV

### Professional camera network

- Resolution: Full HD (1920 x 1080)
- Image optimisation (back-light, contrasts, night vision, high luminosity)
- Privacy layers
- ONVIF communication standard
- Event triggering: motion detection, video analytics, tampering...
- 2 versions: digital or optical zoom
- Data optimisation: selected and/or delayed transmission, on-site recording (SD memory slot)
- On-site tilting settings: 0 - 85°



## Hanging camera bracket

### For a wide range of 360° IP cameras

- Excellent stability for minimal camera movement
- Concealed cable management
- Suited to 1½ pipe thread
- For public areas



## Intercom SOS

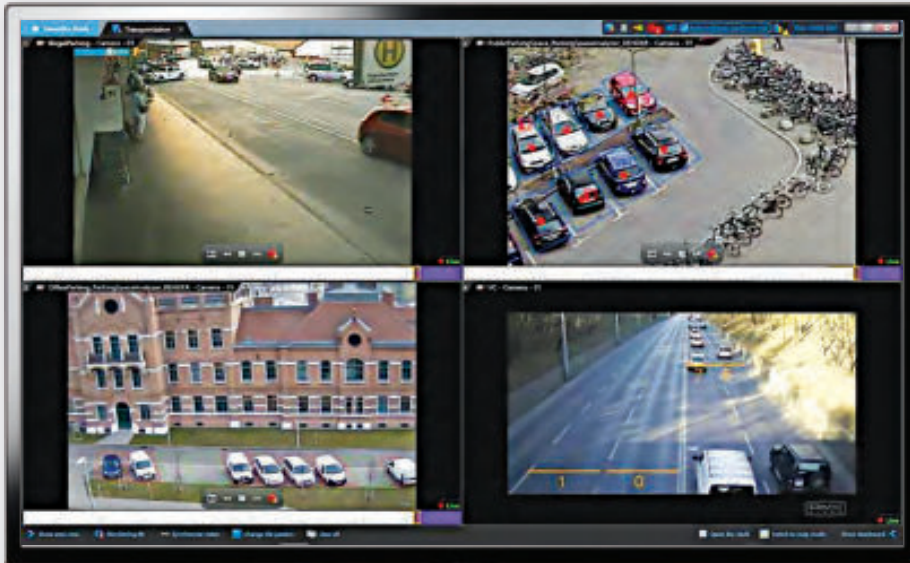
### Unparalleled audio quality with optional video

- Vandal resistant SIP and IP intercom
- Optional HD video at up to 25 FPS (960p) and H.264 for integration with most video solutions
- Crystal clear audio
- Background active noise cancellation
- Automatic volume adjustment
- Stainless steel front plate with one button

## Video analytics

### Transforming video surveillance into a pro-active tool

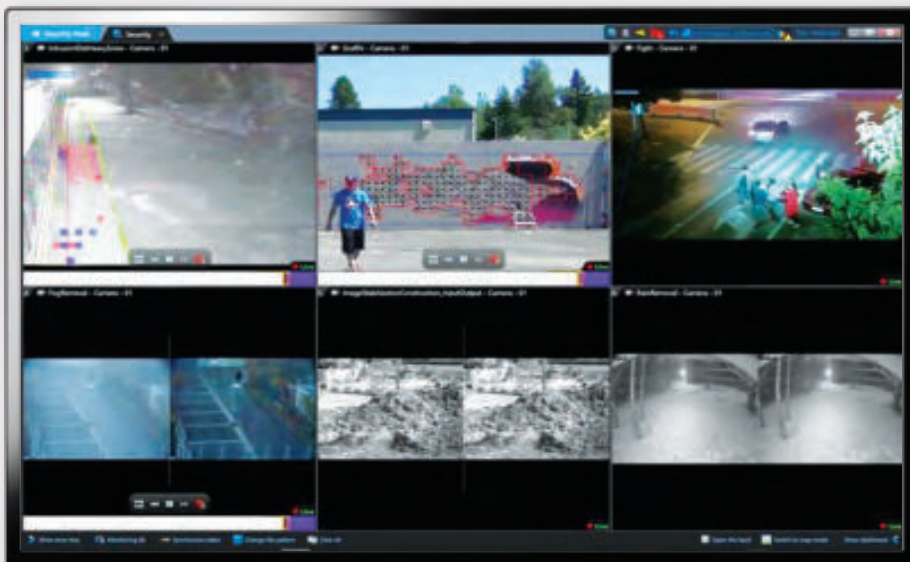
- Extracts key information, e.g. parking space detection, face recognition, perimeter protection, traffic analysis and behaviour analysis
- Accurate detection that eliminates any false alerts
- Utilising world-class algorithms
- Compliant with privacy regulations



## Video management software

### Visualisation from a control room

- IP video management system
- One single platform for real-time monitoring, alarm management, reporting and playback of events
- Supports a wide range of IP cameras, SIP intercoms and other security equipment
- Data protection through advanced encryption, digital certificates and claims-based authentication
- Scalable system to cover a whole city



# Beyond Lighting Infotainment & Sustainability



## Light ring

**Signage / beautification (identity) /  
creation of ambiance**

- Red, blue, green, warm or neutral white LEDs
- 1 or 2 alternating colours



## Loudspeaker

**Professional sound system**

100V public address system

- Frequency range: 100 - 18,000Hz
- Perfect sound - 20W power output
- Weatherproof / adapted to indoor and outdoor applications



## EV Charger

**Professional charging station**

- AC charging 11kW or 22kW
- European socket (type 2)
- Safety locking during charging
- Access authentication via RFID or QR code
- Optional: communication, metering and access unit (for cabinet mounting)

# Shuffle

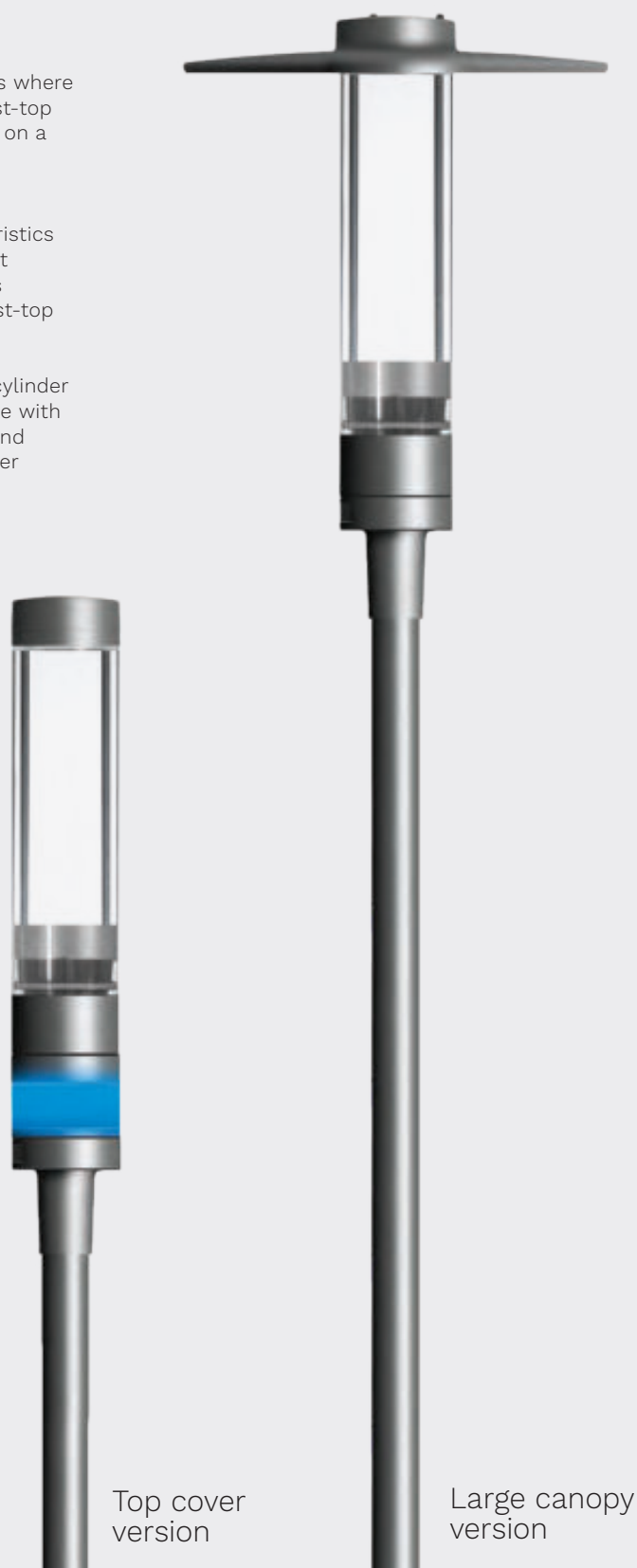
## Post-top luminaire

### The perfect addition

Designed to light roads, streets, squares and other places where creating a pleasant atmosphere is a key element, the post-top luminaire version of the Shuffle is available for mounting on a Ø60 or 76mm (2" or 3") pole.

The elegant cylinder shape with a 360° clear or diffuse protector offers the same design and technical characteristics as the 360° LensoFlex®2 module of the Shuffle column. It benefits from a wide range of photometries and provides aesthetic consistency in environments lit by both the post-top and column versions of the Shuffle.

The Shuffle post-top luminaire is available as a smooth cylinder or with a large canopy. This post-top luminaire is available with the same control options for stand-alone, autonomous and interoperable networks (remote management) as the other modules of the Shuffle column.



Top cover  
version









Large canopy  
version

# ROAD





# Road portfolio - characteristics

		RECOMMENDED INSTALLATION HEIGHT	TYPICAL LUMINAIRE OUTPUT FLUX (RANGE)	COLOUR TEMPERATURE	TIGHTNESS	IMPACT RESISTANCE	NOMINAL VOLTAGE	ELECTRICAL CLASS	MATERIAL - BODY	MATERIAL - PROTECTOR COLOUR
34	 <b>AMPERA</b>	4 to 12m 13' to 40'	800 to 35,200lm	Warm or neutral white	IP 66 (*)	IK 09 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	Glass  AKZO grey 900 sanded (***)
38	 <b>TECEO</b>	4 to 12m 13' to 40'	800 to 33,800lm	Warm or neutral white	IP 66 (*)	Up to IK 09 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass  AKZO light grey 150 sanded (***)
44	 <b>AXIA 2</b>	5 to 10m 16' to 32'	300 to 18,700lm	Warm or neutral white	IP 66 (*)	Up to IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	PC  RAL 7040 light grey (***)
48	 <b>AVENTO</b>	4 to 12m 13' to 40'	2,300 to 32,000lm	Warm or neutral white	IP 66 (*)	Up to IK 10 (**)	220-240V 50-60Hz	EU I (Avento 1 & 2) / EU I or II (Avento S) (*)	Aluminium (Avento 1 & 2) / Aluminium + polypropylene (Avento S)	Glass  RAL 7040 light grey (***)
52	 <b>VOLTANA</b>	4 to 12m 13' to 40'	700 to 25,200lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	120-277V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	Glass  RAL 7038 (***)
56	 <b>NANO LED</b>	4 to 6m 13' to 20'	800 to 5,400lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	Glass  AKZO grey 900 sanded (***)
60	 <b>SKIDO</b>	3 to 6m 10' to 20'	1,400 to 2,000lm	Cool white	IP 65 (*)	IK 08 (**)	220-240V 50-60Hz	EU I (*)	High-pressure die-cast aluminium	PC  RAL 7037 dusty grey (***)
64	 <b>YMERA</b>	4 to 12m 13' to 40'	1,600 to 13,900lm	Warm or neutral white	IP 66 (*)	Up to IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	Glass  AKZO grey 900 sanded (***)



		RECOMMENDED INSTALLATION HEIGHT	TYPICAL LUMINAIRE OUTPUT FLUX (RANGE)	COLOUR TEMPERATURE	TIGHTNESS LEVEL	IMPACT RESISTANCE	NOMINAL VOLTAGE	ELECTRICAL CLASS	MATERIAL - BODY	MATERIAL - PROTECTOR	COLOUR
68		<b>PIANO</b>	3.5 to 12m 11' to 40'	1,700 to 21,200lm	Warm, neutral or cool white	IP 66 (*) Up to IK 08 (**)	220-240V 120-277V 347-480V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass	AKZO black 200 sanded (***)
72		<b>YOA</b>	4 to 10m 13' to 32'	600 to 22,200lm	Cool, neutral or warm white	IP 66 (*) Up to IK 10 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass or PC	AKZO grey 900 sanded (***)
78		<b>CMS LED</b>	4 to 10m 13' to 32'	1,500 to 9,700lm	Warm, neutral or cool white	IP 65 (*) IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	Spun and die-cast aluminium	Glass	AKZO grey 900 sanded (***)
84		<b>CITEA NG</b>	4 to 12m 13' to 40'	900 to 19,200lm	Warm, neutral or cool white	IP 66 (*) IK 10 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass	AKZO grey 900 sanded (***)
90		<b>HESTIA LED</b>	4 to 8m 13' to 26'	1,800 to 8,800lm	Warm or neutral white	IP 65 (*) IK 08 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass	AKZO grey 900 sanded (***)
94		<b>ALBANY LED</b>	4 to 8m 13' to 26'	1,600 to 16,800lm	Warm or neutral white	IP 66 / 43 (*) IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	Spun aluminium	PC	AKZO grey 900 sanded (***)
98		<b>DEXO</b>	7 to 10m 22' to 32'	3,200 to 11,600lm	Warm or neutral white	IP 66 (*) Up to IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	Glass	AKZO light grey 150 sanded (***)
102		<b>NEOS LED</b>	4 to 12m 13' to 40'	1,600 to 11,900lm	Warm, neutral or cool white	IP 66 (*) IK 08 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass	AKZO grey 900 sanded (***)

(\*) According to IEC - EN 60598 | (\*\*) According to IEC - EN 62262 | (\*\*\*) Any other RAL or AKZO colour upon request

# Ampera

LED solution for an optimised  
return on investment





IP 66

IK 09



Design: Thomas Coulbeaut

## Designing the most efficient and cost-effective LED range was the driving force behind the development of the Ampera family.

The Ampera range sets a new benchmark in LED lighting with performing and flexible solutions that lead to the shortest payback time. With its long lifespan and limited maintenance requirements, the Ampera range enables you to maximise your return on investment.

Available in 3 sizes - with a lumen package scalable up to 35,200lm - and with numerous lighting distributions, the Ampera range can meet all your road and urban lighting needs.

This range is the perfect solution for replacing luminaires fitted with mercury vapour, high-pressure sodium, metal halide and other HID lamps.

The Ampera Mini is a strategic alternative to fittings with 70W traditional light sources while the Ampera Midi and the Ampera Maxi provide significant energy savings for replacing luminaires with 150W and 250W lamps.

## Key advantages

- Cost-effective and efficient lighting solution for a fast return on investment
- 3 sizes for flexibility
- IP 66 tightness level
- ThermiX®: withstands high temperatures (Ta 50°C/122°F)
- Mounting: with two separated parts for easy installation and set-up (inclination angle)
- FutureProof: easy replacement of the photometric engine and gear compartment
- Surge protection 10kV

## Characteristics


Ampera	MINI	MIDI	MAXI
Recommended installation height	4 to 12m / 13' to 40'		
Typical luminaire output flux (range)	800 to 8,900lm	3,300 to 23,300lm	8,800 to 35,200lm
Power consumption	10.3W to 78W	34.3W to 201W	81W to 277W
Colour temperature	Warm or neutral white		
Nominal voltage	120-277V / 50-60Hz		
Surge protection	10kV		

## Main applications

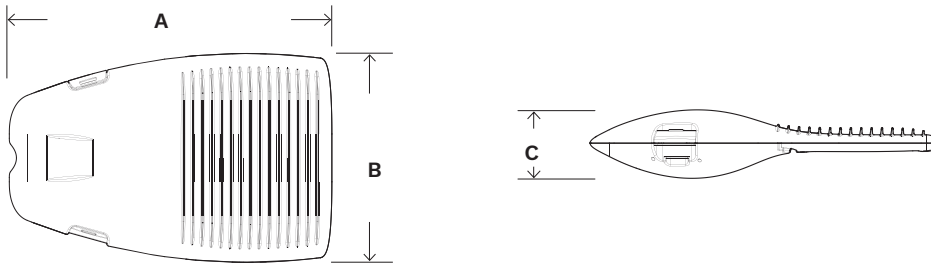


# Ampera

## Dimensions | Mounting

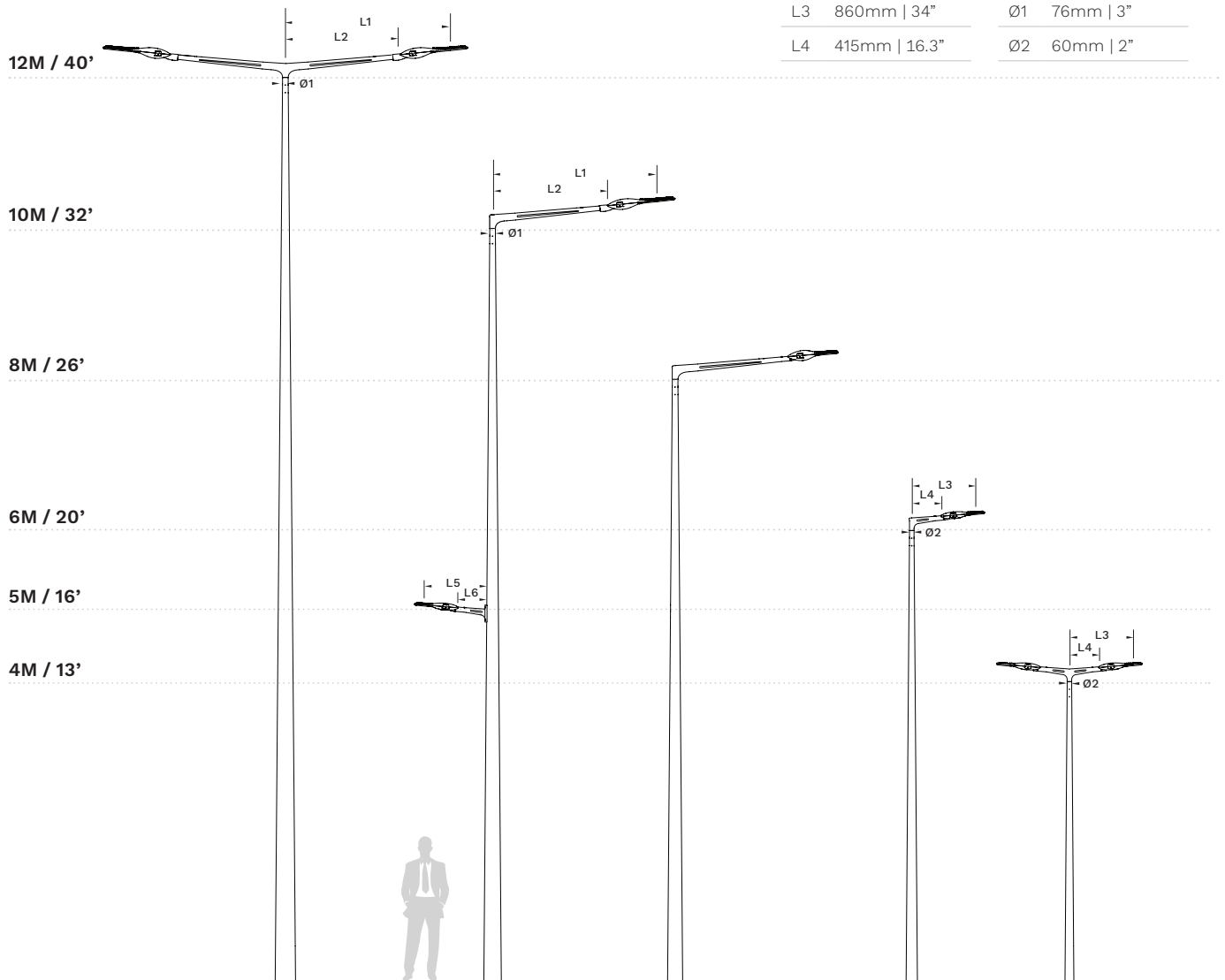
	Mini	Midi	Maxi
A	583mm   23"	674mm   26.5"	900mm   35.4"
B	340mm   13.4"	436mm   17.1"	438mm   17.2"
C	90mm   3.5"	132mm   5.2"	135mm   5.3"
 KG	7.8kg   17.2lbs	11.5kg   25.3lbs	18.1kg   39.9lbs

Universal mounting piece (side-entry and post-top):  
 Ø32 - 48mm (1.25") - Ø42 - 60mm (2") - Ø76mm (3")



## Dio poles and brackets

L1	2150mm   85"	L5	860mm   34"
L2	1520mm   60"	L6	415mm   16.3"
L3	860mm   34"	Ø1	76mm   3"
L4	415mm   16.3"	Ø2	60mm   2"





# Teceo

Lighting in an efficient  
and sustainable manner





IP 66

IK 08

IK 09



Teceo 1

Teceo 2

Teceo s

Design : Michel Tortel

## Teceo is a market benchmark recognised by independant bodies.

This very successful luminaire already enables thousands of towns and cities to improve lighting levels, generate energy savings and reduce their ecological footprint. With the new S version particularly suited for low-height applications, the Teceo range offers more than ever optimised photometrical performance with a minimum total cost of ownership.

Thanks to its broad range of lumen packages, its impressive scope of light distributions and its various control options, Teceo provides a tailor-made solution for numerous applications: from bike paths, squares and car parks to residential streets, urban roads, large avenues and motorways.

Designed for a versatile mounting with the same universal piece allowing both side-entry and post-top fixation on a spigot, Teceo is easy to combine with standard poles, refined brackets or wall brackets.

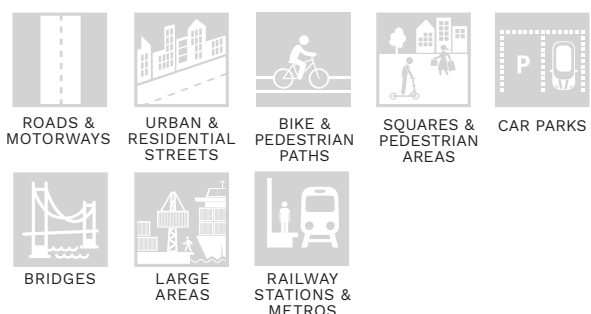
## Key advantages

- A market benchmark recognised by independant bodies
- Maximised savings in energy and maintenance costs
- LensoFlex®2 and LensoFlex®3 technologies offering high performance photometry, comfort and safety
- 3 sizes to provide the most accurate solution for numerous road and urban applications
- Universal fixation adapted for side-entry and post-top mounting
- IoT ready: optional 7-pin NEMA socket

## Characteristics


Teceo	S	1	2
Recommended installation height	4 to 12m / 13' to 40'		
Typical luminaire output flux (range)	800 to 8,600lm	800 to 17,100lm	5,900 to 33,800lm
Power consumption	9.7W to 78W	9.7W to 151W	59.5W to 275W
Colour temperature	Warm or neutral white		
Nominal voltage	220-240V / 120-277V 50-60Hz		
Surge protection	10kV		

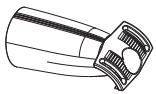
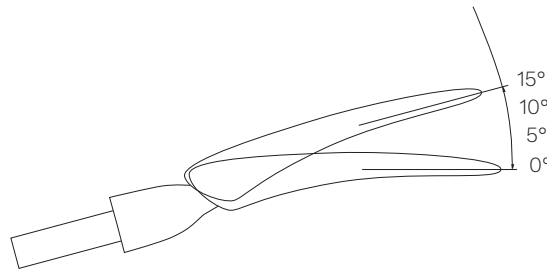
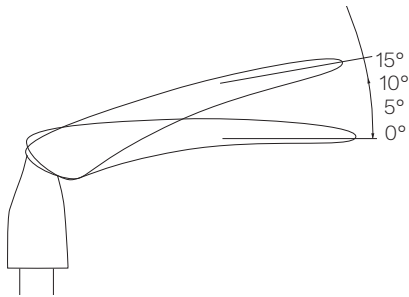
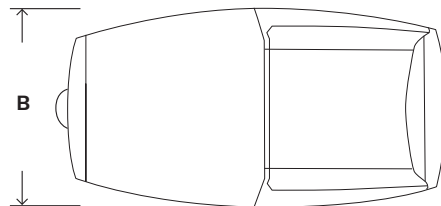
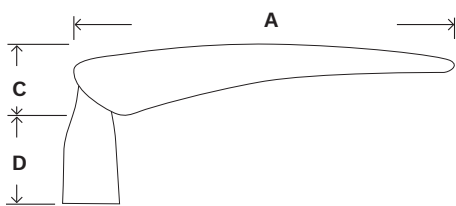
## Main applications



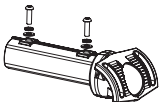
# Teceo

## Dimensions | Mounting

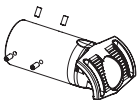
	Teceo S	Teceo 1	Teceo 2
A	450mm   17.7"	607mm   24"	788mm   31"
B	252mm   9.9"	318mm   12.5"	439mm   17.2"
C	99mm   3.9"	113mm   4.4"	119mm   4.7"
D	150mm   5.9"	141mm   5.5"	138mm   5.4"
	5.1kg   11.2lbs	9.6kg   21.2lbs	17.5kg   38.6lbs



- Universal slip-over mounting onto a 32-48, 48-60 or 76mm (1.25"-3") diameter spigot. Suitable for ITO poles and brackets



- Into a 60mm (2") diameter tube. Suitable for Elaya poles and brackets

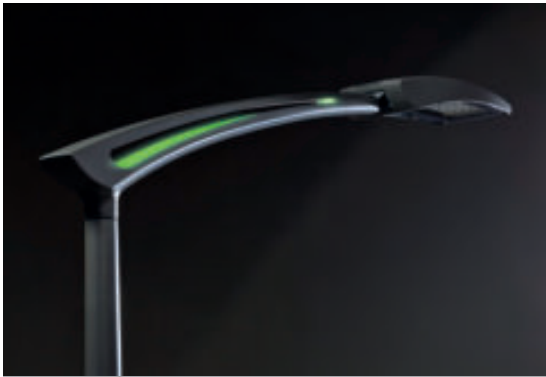
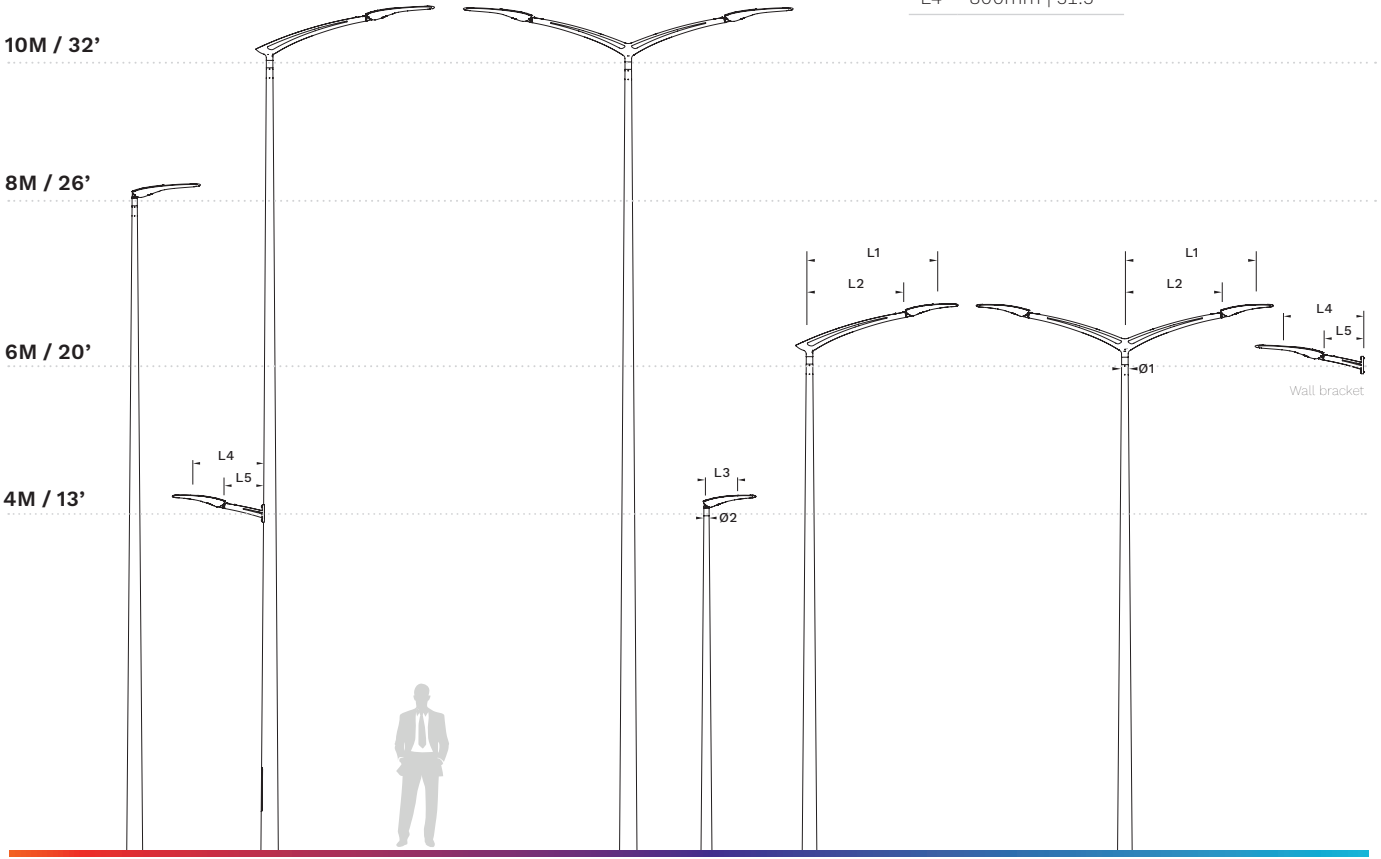


- Designed for Thylia poles (only for Teceo 1 and S)



# Elaya poles and brackets

L1	1460mm   57.5"	L5	450mm   17.7"
L2	1100mm   43.3"	Ø1	76mm   3"
L3	300mm   11.8"	Ø2	60mm   2"
L4	800mm   31.5"		



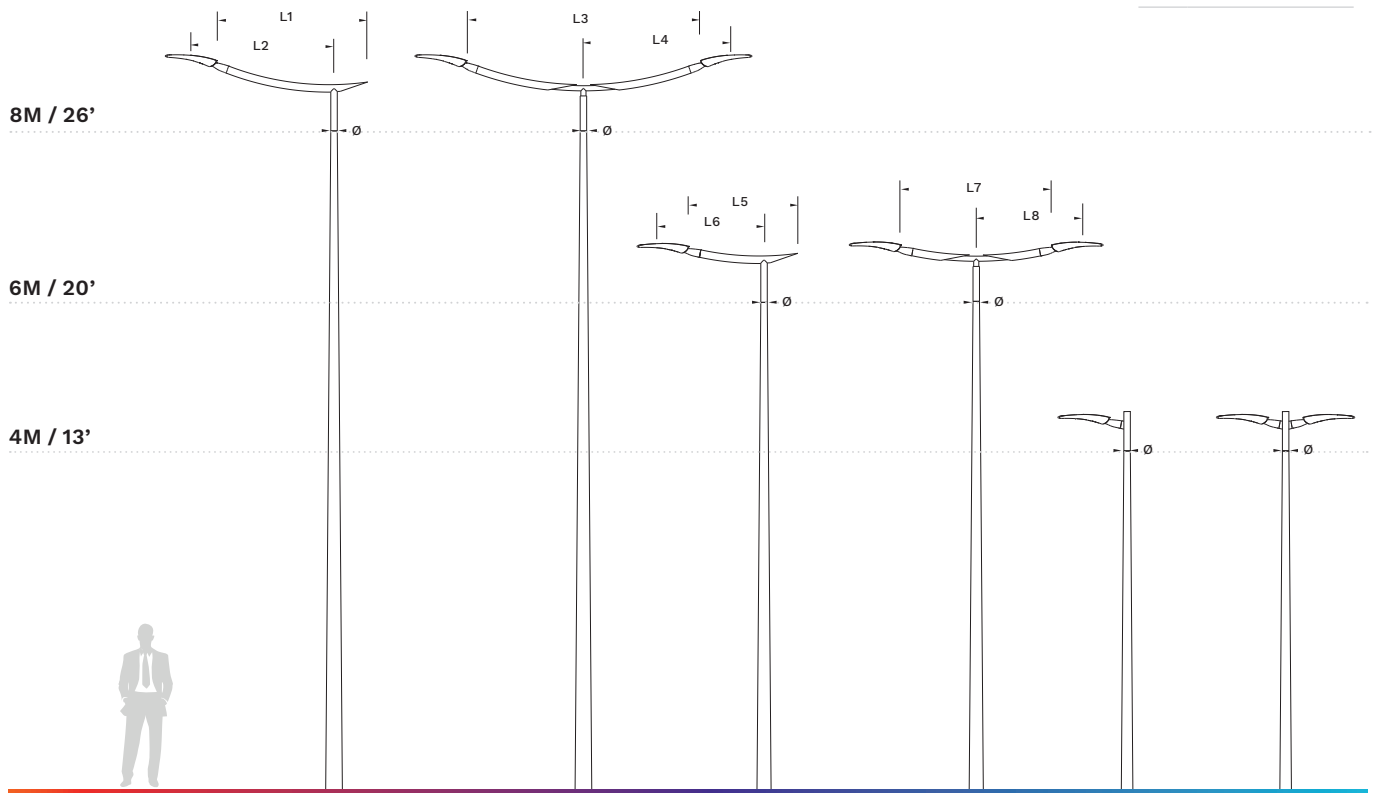
As an option, the Elaya bracket can be equipped with a static low-power LED for accent lighting, to create a distinctive identity.



# Teceo

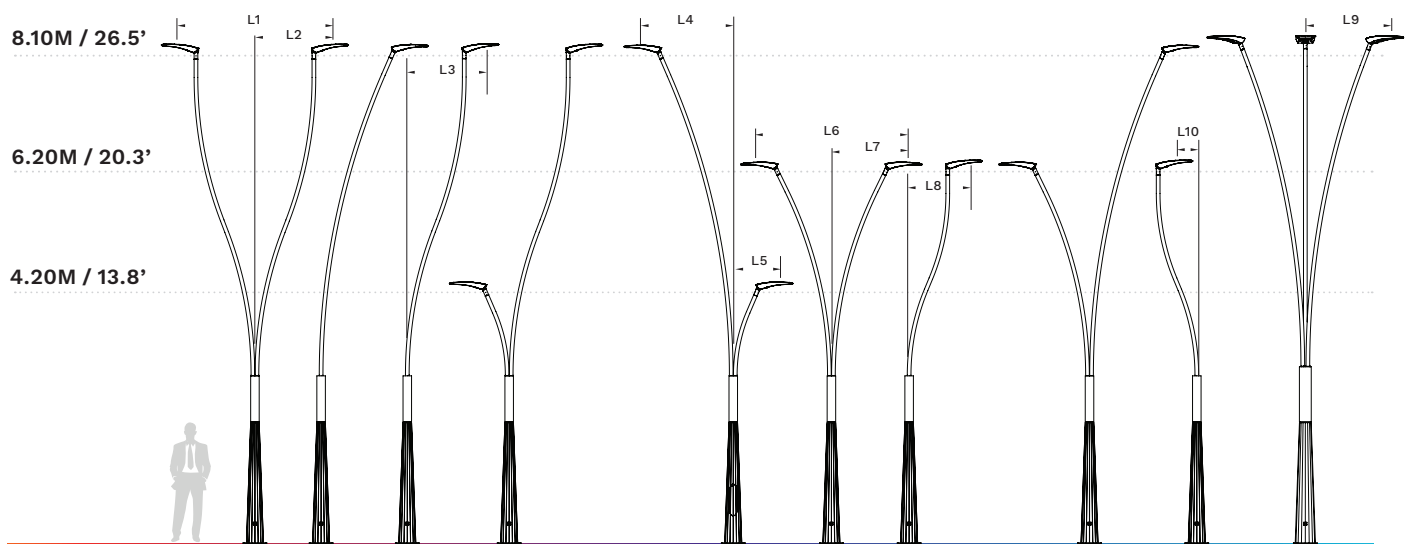
## Ito poles and brackets

L1	1750mm   69"	L5	1250mm   49"
L2	1680mm   66"	L6	1200mm   47"
L3	2700mm   106"	L7	1690mm   66.5"
L4	1680mm   66"	L8	1200mm   47"
		Ø	76mm   3"



## Thylia poles and brackets<sup>(\*)</sup>

L1	2650mm   104"	L6	2560mm   101"
L2	1325mm   52"	L7	1280mm   50.5"
L3	1290mm   50.8"	L8	990mm   39"
L4	1580mm   62"	L9	1600mm   63"
L5	770mm   30.3"	L10	275mm   10.8"



\*More options available on request



# Axia 2

The most comprehensive  
& economical LED lighting solution





IP 66

IK 08

IK 09

IK 10



## The Axia 2 is the most comprehensive and best value LED solution for any road, street or pedestrian area.

Built from high-pressure die-cast aluminium with a polycarbonate protector and a photometric engine with light distributions adapted to various applications, the Axia 2 offers a fast return on investment as one of the highest performing luminaires available.

Building on the strengths of the original ground-breaking Axia, this second generation luminaire is designed to be the ultimate multi-purpose fixture, providing a cost effective solution for those looking to reduce their energy costs.

The Axia 2 offers all the advantages of LED lighting, without the high cost associated with LEDs.

## Key advantages

- Cost-effective and efficient lighting solution for a fast return on investment
- Smart City connectivity
- Photometric engine with light distributions adapted to various applications
- ThermiX® + FutureProof
- Systems for autonomous and interoperable networks
- Post-top and side-entry mounting for pole Ø32 to 60mm/ 1" to 2" (side) and Ø60 and Ø76mm/ 2" to 3" (top)
- Universal fixation with adjustable inclination in steps of 2.5°. Range: side-entry -10° to +5° and post-top 0° to +10°

## Characteristics


Axia	2.1	2.2
Recommended installation height	5 to 10m / 16' to 32'	
Typical luminaire output flux (range)	300 to 8,400lm	3,100 to 18,700lm
Power consumption	10W to 68W	69W to 151W
Colour temperature	Warm or neutral white	
Nominal voltage	220-240V / 50-60hz	
Surge protection	10kV	

## Main applications



# Axia 2

## Dimensions | Mounting

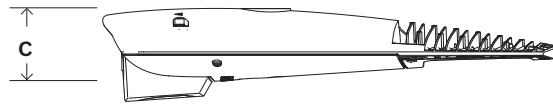
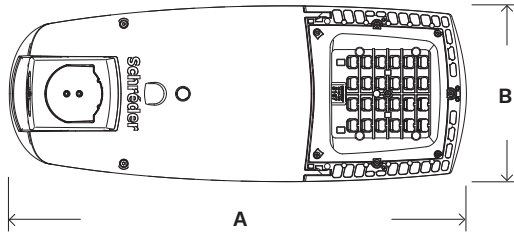
	Axia 2.1	Axia 2.2
A	650mm   25.6"	895mm   35.2"
B	250mm   9.8"	300mm   11.8"
C	103mm   4"	116mm   4.5"
	7kg   15.4lbs	10kg   22lbs



**SIDE-ENTRY:**  
Ø32 to 60mm (1" to 2")

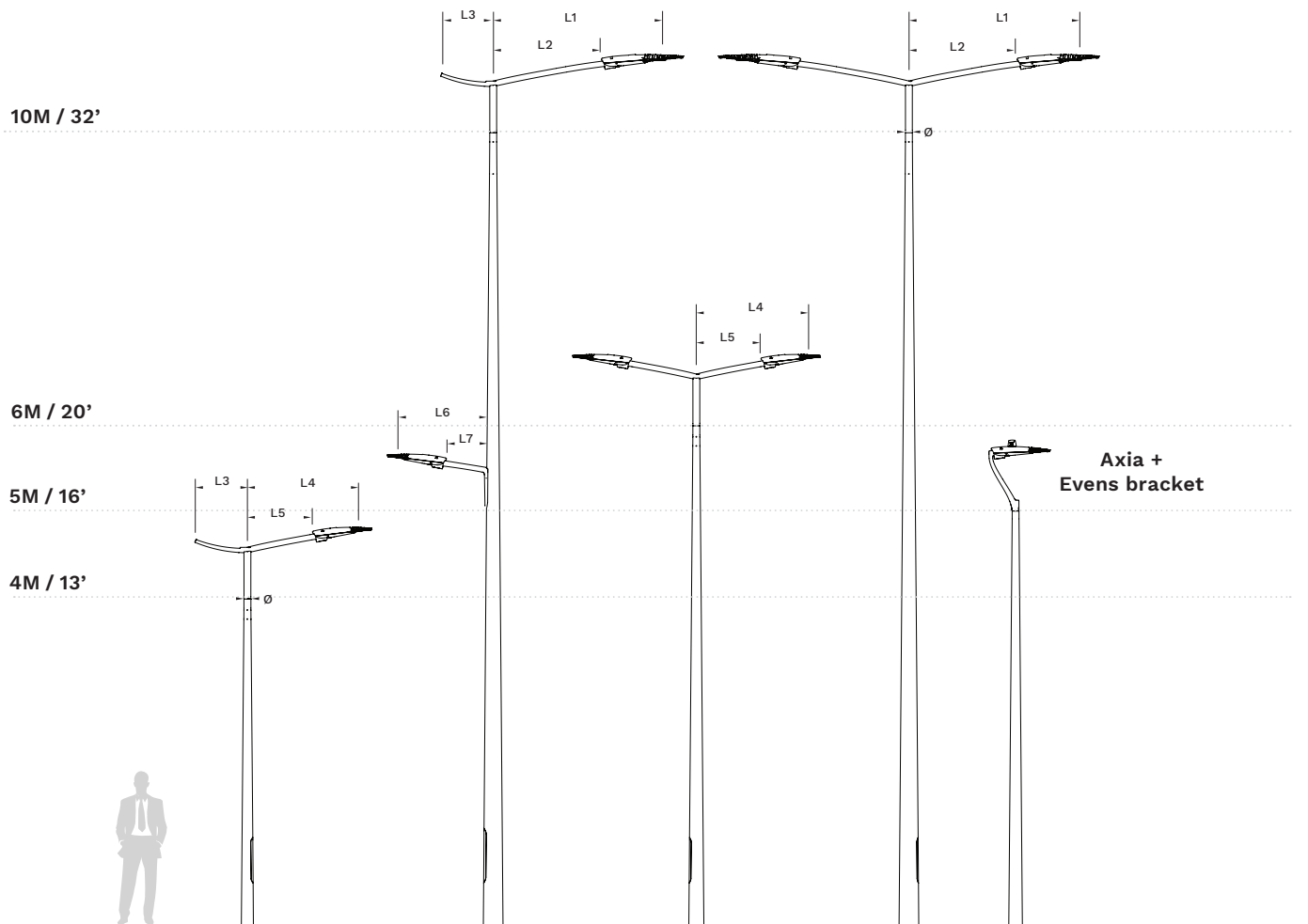


**POST-TOP:**  
Ø60 and 76mm (2" to 3")



## Ando poles and brackets

L1	1880mm   74"	L5	840mm   33"
L2	1310mm   52"	L6	1000mm   40"
L3	575mm   23"	L7	595mm   23.4"
L4	1250mm   49"	Ø	76mm   3"





# Avento

Delivering the highest efficacy for road and outdoor area lighting at an affordable price







IP 66

IK 09

IK 10



## Compact but powerful, light but robust, affordable but highly efficient, the Avento provides the fastest return on investment in road and area lighting.

The Avento offers a superior lumen/watt ratio to deliver a high-performing, energy efficient, lighting solution at an affordable price for various landscapes including pedestrian zones, streets, roads, car parks and motorways.

The Avento is available in three sizes to provide a consistent solution in terms of the right lumen package and light distribution for a broad range of environments. It ensures that the lighting meets the real needs of the place to be lit.

This state-of-the-art luminaire incorporates a universal side-entry mounting part for spigots from 42 to 60mm (1.5" to 2") in diameter and large cooling fins for perfect thermal management. Built to withstand high ambient temperatures and common vandalism (min. IK 09) and with a high IP 66 tightness level, the Avento provides a sustainable performance over time.

The Avento is equipped with the new MidFlex™ photometric engine that provides the highest efficiency in a very compact optical compartment. It provides scalable lumen packages with modular quantities of LEDs and various driving currents. The Avento is the best tool to shorten the payback time of an LED lighting installation and to provide the best return on investment.

## Key advantages

- Cost-effective and efficient lighting solution
- Superior efficacy: from 125 to 130lm/W, depending on the model
- Accelerated return on investment
- 3 sizes for flexibility and consistency when lighting P1 to P6 and M1 to M6 applications in accordance with CIE 115
- Easy and fast installation
- Wide range of operating temperatures
- Dark sky compliant: ULOR =0%, no up-light
- Tool free maintenance
- Sustainable and robust materials
- Surge protection 10kV (20kV as an option)
- Ready for Smart City connectivity with NEMA 7-pin socket

## Characteristics

Avento	S	1	2
Recommended Installation height	4 to 12m / 13' to 40'		
Typical luminaire output flux (range)	2,300 to 8,900lm	8,300 to 18,200lm	20,900 to 32,000lm
Power consumption	26.3W to 71W	71W to 142W	179W to 249W
Colour temperature	Warm or neutral white		
Nominal voltage	220-240V / 120-277V 50-60Hz		
Surge protection	10/20kV		

## Main applications

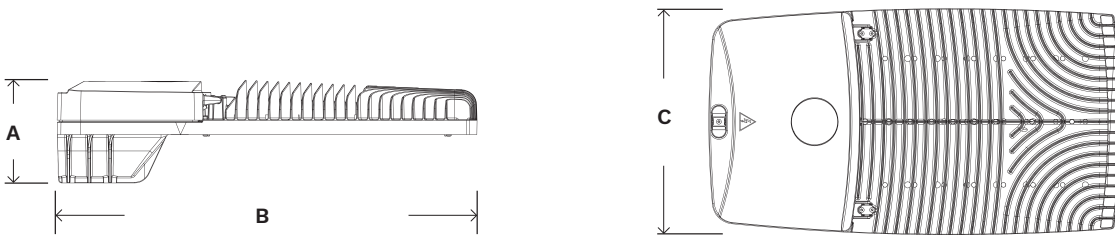
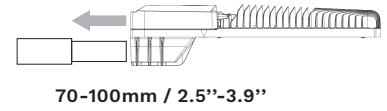


# Avento

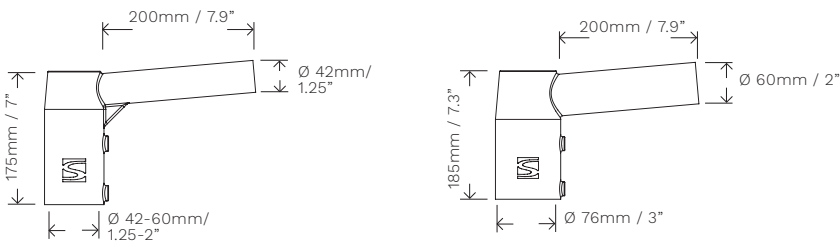
## Dimensions | Mounting

	Avento S	Avento 1	Avento 2
A	85mm   3.3"	114mm   4.5"	159mm   6.2"
B	335mm   13.2"	485mm   19"	655mm   25.8"
C	308mm   12.1"	310mm   12.2"	359mm   14.1"
 KG	5kg   11lbs	8.1kg   17.6lbs	11.7kg   25.8lbs

The Avento luminaires offer a side-entry mounting onto a 42 to 60mm (1.25" to 2") diameter spigot.



### POST-TOP ADAPTER

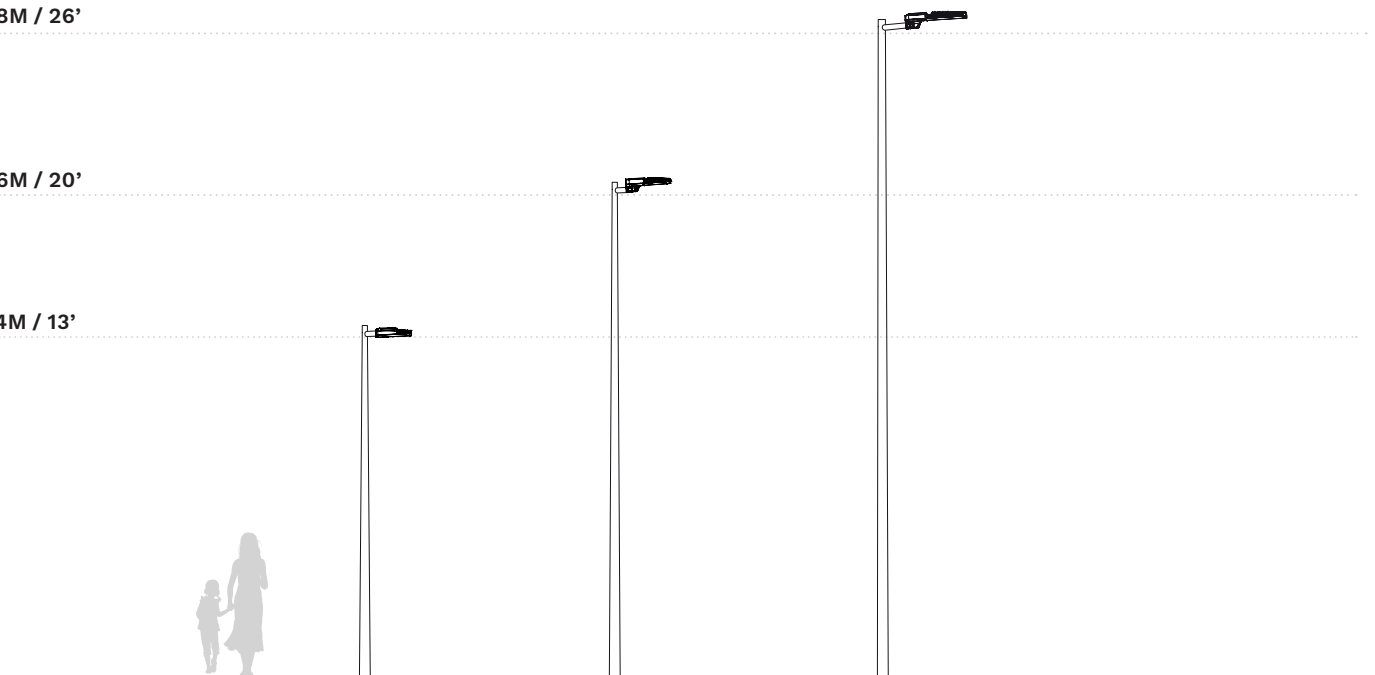


## Poles and brackets

8M / 26'

6M / 20'

4M / 13'





# Voltana

The ultimate, cost-effective, performing family of luminaires that pays for itself





IP 66

IK 08



### Offering a fast payback for lighting any type of rural or urban landscape was the driving force behind the development of the Voltana range.

Voltana delivers sustainable lighting solutions that can dramatically reduce energy consumption and improve lighting levels with the lowest investment.

Voltana is available in 6 different sizes to offer maximum flexibility and aesthetic coherence for your entire project. It provides multiple lumen packages thanks to the various sizes and driving currents with numerous light distributions adapted from very narrow to extra wide for roads and large areas.

Voltana is designed for side-entry and post-top mounting to suit your needs. It can be adapted on-site thanks to an incorporated inclination system to guarantee the ideal photometry for the real needs of the area to be lit.

Voltana can be fitted with several control options and can operate in a limited independent network or the global network of a city through wireless communication.

## Key advantages

- Efficient lighting solution for a fast return on investment
- High performance with safety and comfort
- 6 sizes for flexibility
- IP 66 tightness level
- ThermiX®: withstands high temperatures (Ta 55°C/131°F)
- Designed to incorporate the Owlet range of control solutions
- Surge protection 4kV (10kV as and option)

## Characteristics


Voltana	0	1	2	3	4	5
Recommended installation height	4 to 12m / 13' to 40'					
Typical luminaire output flux (range)	700 to 2,400lm	800 to 2,500lm	2,000 to 6,100lm	3,100 to 9,200lm	4,200 to 12,700lm	8,500 to 25,200lm
Power consumption	8W to 29W	10W to 31W	19.4W to 57W	27.5W to 83W	36.6W to 110W	70W to 216W
Colour temperature	Warm or neutral white					
Nominal voltage	120-277V / 50-60hz					
Surge protection	4kV					

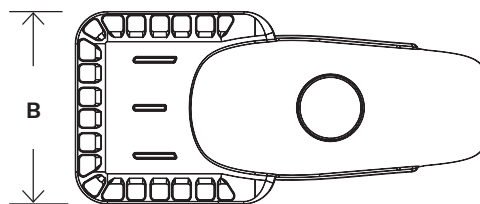
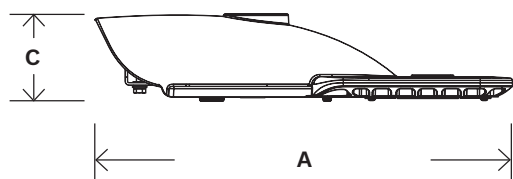
## Main applications



# Voltana

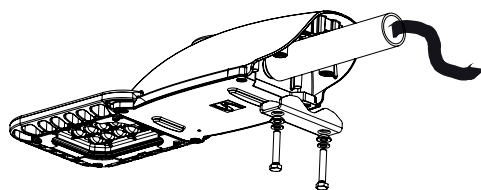
## Dimensions | Mounting

	Voltana 0	Voltana 1	Voltana 2	Voltana 3	Voltana 4	Voltana 5
A	416mm   16.4"	501mm   19.7"	518mm   20.4"	641mm   25.2"	555mm   21.8"	705mm   27.7"
B	156mm   6.1"	181mm   7.1"	240mm   9.4"	240mm   9.4"	380mm   15"	480mm   18.9"
C	91mm   3.6"	87mm   3.4"	108mm   4.2"	111mm   4.3"	112mm   4.4"	109mm   4.3"
	2.6kg   5.7lbs	4kg   8.8lbs	5kg   11lbs	6kg   13.2lbs	8kg   17.6lbs	12kg   26.4lbs



### Standard mounting

Voltana offers a side-entry clamp fixation for  $\varnothing$  42-60mm/1.5"-2" spigots.

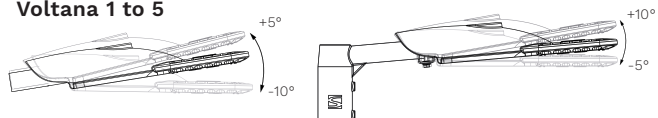


Precise on-site settings thanks to an incorporated inclination system.

### Voltana 0

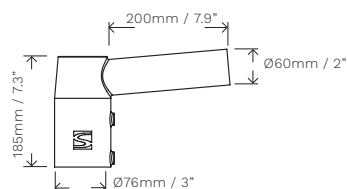
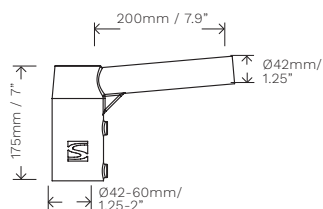


### Voltana 1 to 5



### Post-top adapter

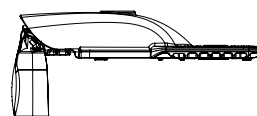
Voltana is available with universal mounting pieces (post-top adapter with +5° inclination).



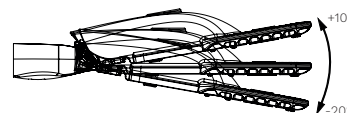
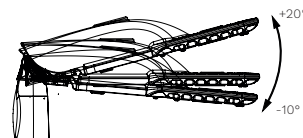
### Optional mounting

As an option, all Voltana luminaires (except size 5) can be delivered with a slip-over universal mounting (post-top and side entry) for various spigots:

- $\varnothing$ 42-48mm/1.5"-1.8"
- $\varnothing$ 60mm/2"
- $\varnothing$ 76mm/3"



Precise on-site settings thanks to an incorporated inclination system.





# Nano LED

Energy efficient and environmentally friendly lighting solution







IP 66

IK 08



Design: Alain Baré

**Based on the concept of miniaturisation, this luminaire combines a reduction in the amount of raw materials used in its production with energy efficient LED technology, complemented with the photometric performance of the Schröder LensoFlex®2 engine.**

Simple and functional, the Nano LED can be used in all types of public lighting, be it road or urban, with side-entry mounting at a recommended height of 4 to 6 metres. The body and cover of the Nano LED are made from painted die-cast aluminium alloy while the protector is composed of curved tempered glass. The control gear is mounted on a plate that can be removed.

A silicone seal ensures an IP 66 protection level for the entire luminaire.

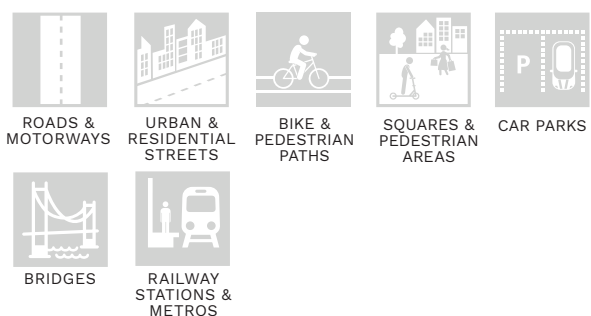
## Key advantages

- Super compact luminaire
- IP 66 tightness level
- LensoFlex®2 photometric engine with photometry adapted to various applications
- Reduced maintenance
- Quality recyclable materials
- FutureProof
- Surge protection 10kV

## Characteristics


Nano LED	
Recommended installation height	4 to 6m / 13' to 20'
Typical luminaire output flux (range)	800 to 5,400lm
Power consumption	10.5W to 55W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50Hz
Surge protection	10kV

## Main applications

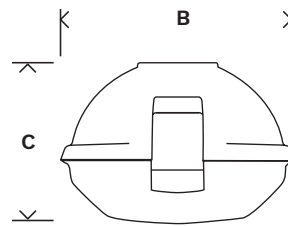
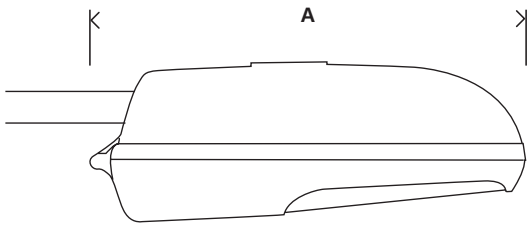


# Nano LED

## Dimensions | Mounting

A	440mm   17.3"
B	215mm   8.4"
C	169mm   6.6"
	3kg   6.6lbs

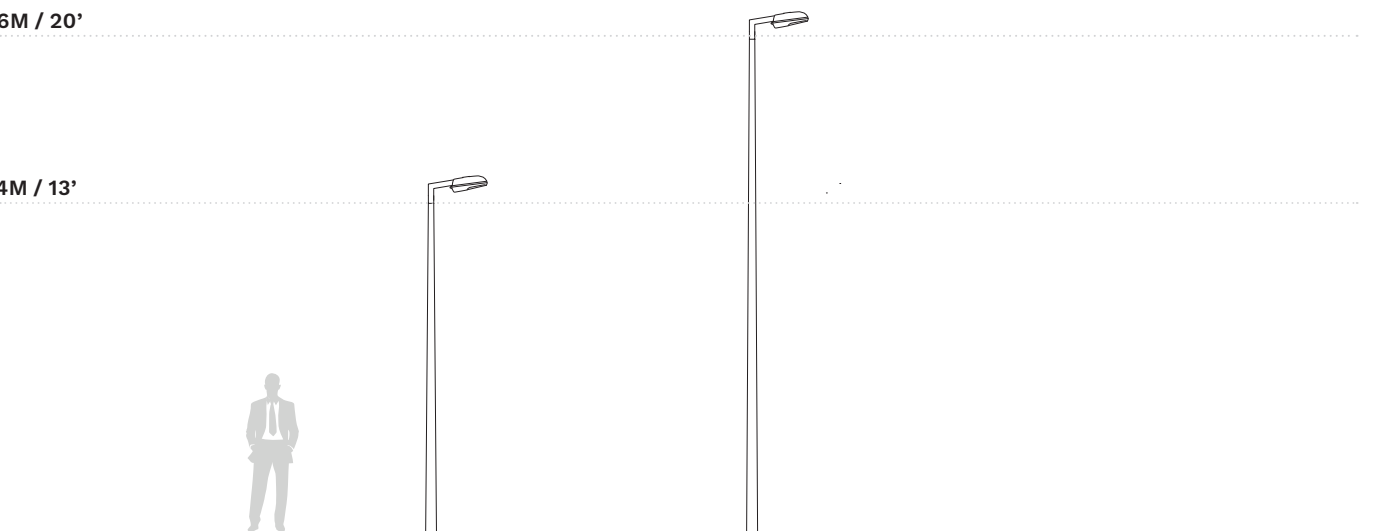
Side-entry mounting:  
Ø48mm/1.8" or Ø60mm/2" (optional)  
Fixation with 2 M8 screws



## Poles and brackets

6M / 20'

4M / 13'





# Skido

Efficient LED alternative to low-power fluorescent lighting





IP 65

IK 08



**The Skido luminaire has been developed to offer a compact and economic outdoor LED solution to replace luminaires fitted with 36W fluorescent lamps.**

Thanks to a low-power consumption and an excellent photometric performance, the Skido is a very efficient tool for lighting residential roads, car parks, pedestrian areas and parks as well as offering surveillance lighting for industrial halls or office campuses.

As a highly cost-effective lighting solution, the Skido reduces the payback time to less than 3 years. Due to its well-thought design and quality materials, the Skido offers a much longer life span compared to fluorescent and compact fluorescent lighting solutions.

## Key advantages

- Compact and versatile
- Maximised savings in energy and maintenance costs
- Integrated lenses for performing photometry
- Wide range of operating temperatures from -20°C/-4°F up to 50°C/122°F
- Easy installation: supplied pre-cabled (0.3m cable)
- Wide range of operating voltages: 140-280V
- Durable and recyclable materials
- Surge protection 10kV

## Characteristics


Skido	
Recommended Installation height	3 to 6m / 10' to 20'
Typical luminaire output flux (range)	1,400 to 2,000lm
Power consumption	15W to 23W
Colour temperature	Cool white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications

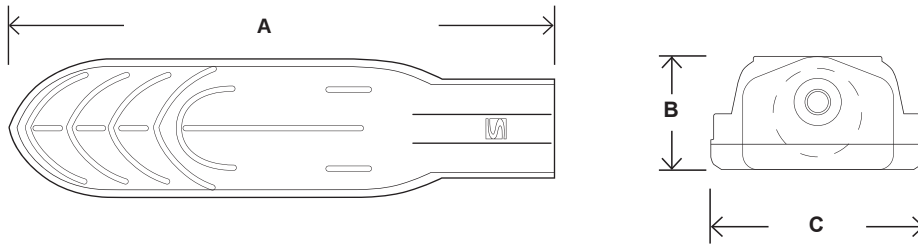


# Skido

## Dimensions | Mounting

A	395mm   15.5"
B	54mm   2.1"
C	101mm   4"
 KG	1.3kg   2.2lbs

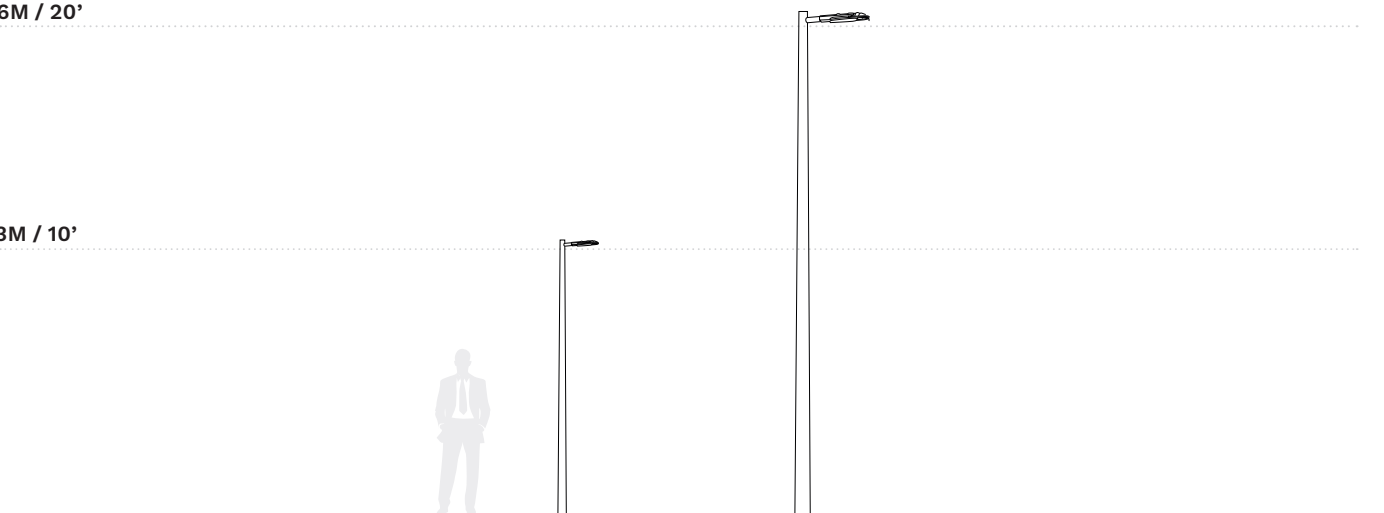
Side-entry mounting:  
Ø32mm to Ø42mm (1.25" to 1.5")  
Fixation with 4 M5 screws



## Poles and brackets

6M / 20'

3M / 10'





# Ymera

For enhanced urban landscapes



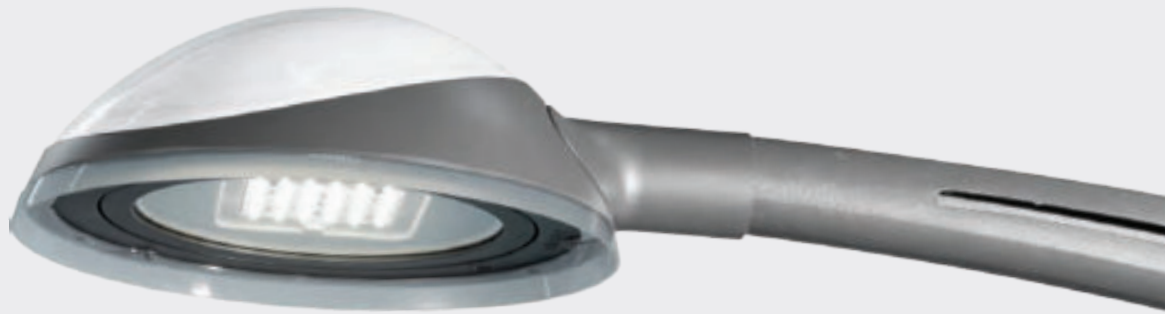




IP 66

IK 09

IK 10



Design: ÅF Lighting

## The Ymera features a refined design and state-of-the-art LED technology, providing an energy-efficient lighting solution that enhances city streets.

Suited to both roads, public squares and other urban outdoor areas, the Ymera enables high-quality lighting and a lower carbon footprint for towns and cities - creating a safe and attractive environment.

Scandinavian inspired, the Ymera brings elegance to cities through four distinctive versions including an illuminated dome and a decorative skirt.

The Ymera benefits from highly efficient light distributions that are compliant with stringent standards for glare control. This refined luminaire has been specifically developed to reduce disability glare and improve the quality of light.

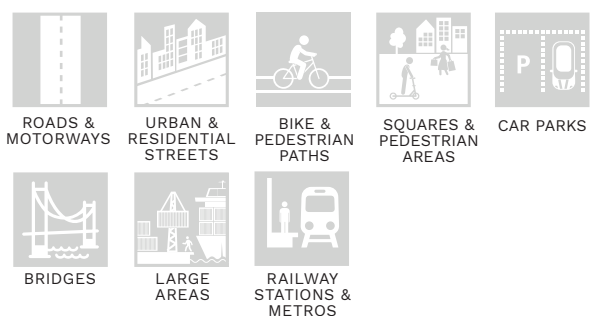
## Key advantages

- Elegant and robust design with four aesthetic versions
- State-of-the-art technology for low energy consumption
- Broad range of lighting distributions
- High visual comfort: glare up to G\*4 class, TI <6%
- Designed for side-entry and post-top mounting (depending on accessory)
- Supplied pre-wired to facilitate installation (optional quick-on connectors)
- Designed to incorporate the Owlet range of control solutions

## Characteristics


Ymera	
Recommended installation height	4 to 12m / 13' to 40'
Typical luminaire output flux (range)	1,600 to 13,900lm
Power consumption	18.2W to 105W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V – 50-60Hz
Surge protection	4kV/10kV

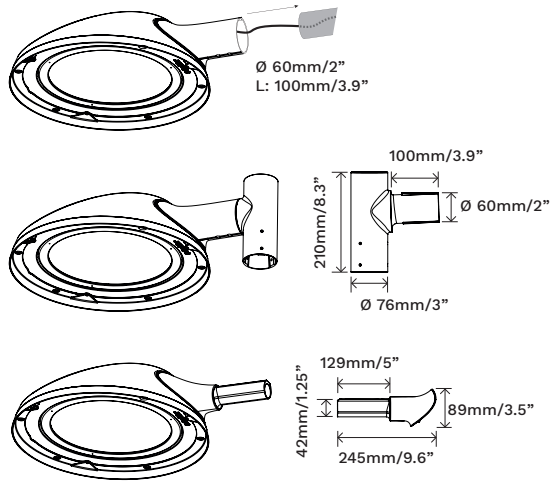
## Main applications



# Ymera

## Dimensions | Mounting

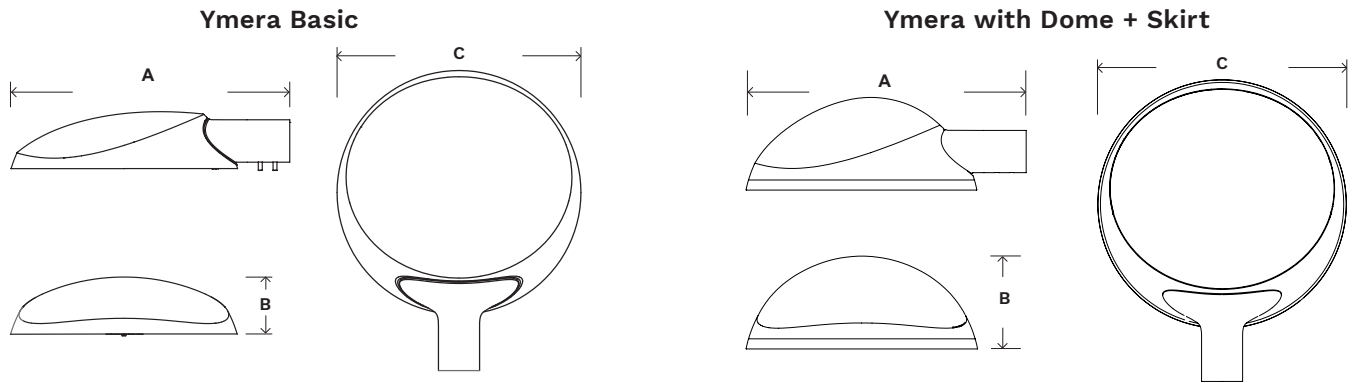
	Ymera Basic	Ymera Dome + Skirt
A	568mm   22.3"	573mm   22.5"
B	116mm   4.5"	190mm   7.5"
C	462mm   18.8"	472mm   18.6"
 KG	8kg   17.6lbs	9kg   19.8lbs



The Ymera luminaire offers a side-entry mounting onto a Ø60mm/2" spigot.

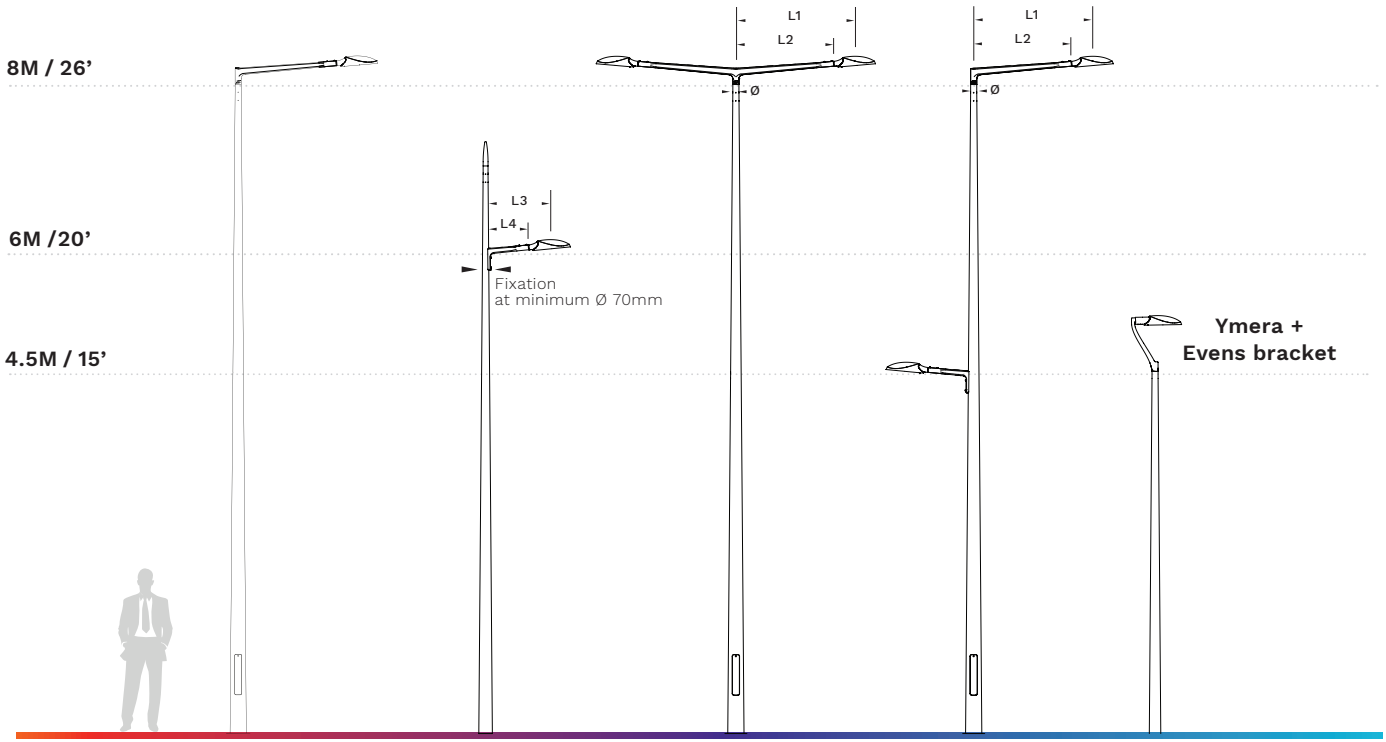
As an option, a post-top adaptor is available for a vertical mounting on a Ø76mm/3" pole.

The Ymera luminaire is also available with a Ø42mm/1.25" penetrating fixation.



## Milla poles and brackets

L1	1485mm   58"
L2	1200mm   47"
L3	785mm   31"
L4	500mm   19.7"
Ø	76mm   3"





# Piano

The ideal instrument for urban environments





IP 66

IK 07

IK 08



Design: Michel Tortel

**The Piano range of luminaires is equipped with second generation LensoFlex®2 photometric engines. They offer a high-performance photometry specifically adapted to lighting urban applications.**

Furthermore, the high-quality finishing and aesthetic design of the Piano complements and enhances any landscape.

This range was developed to incorporate 3 different sizes of luminaire, a wall bracket and a rear bracket version so that streets, side-streets and large pavements can be lit using the same luminaire design.

This winning combination of performance, design and flexibility makes it perfect for lighting streets, pedestrian areas, parks and bike paths. In short, the Piano family offers towns and cities the ideal tool to improve lighting levels, generate energy savings and reduce their ecological footprint.

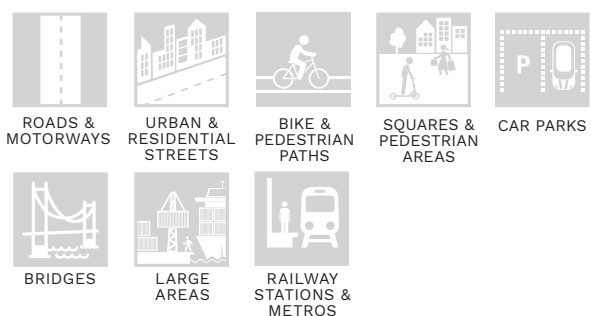
## Key advantages

- Range of luminaires for various urban applications
- LensoFlex®2: high performance photometry, comfort and safety
- FutureProof
- Maximised savings in energy and maintenance costs
- Aesthetic design
- High-quality finishing
- ThermiX®

## Characteristics


Piano	MINI	MIDI	MAXI
Recommended installation height	3.5 to 12m / 11' to 40'		
Typical luminaire output flux (range)	1,700 to 6,600lm	3,300 to 15,200lm	11,000 to 21,200lm
Power consumption	18.2W to 53.5W	34.5W to 125W	113W to 160W
Colour temperature	Warm, neutral or cool white		
Nominal voltage	220-240V / 120-277V / 347-480V 50-60Hz		
Surge protection	10kV		

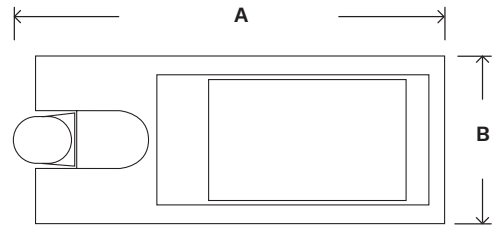
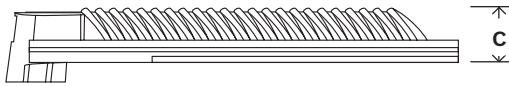
## Main applications



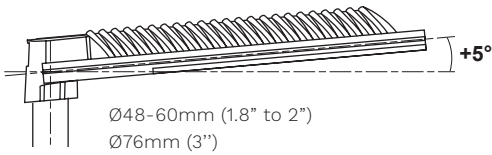
# Piano

## Dimensions | Mounting

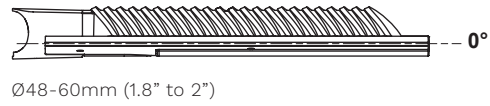
	Mini	Midi	Maxi
A	585mm   23"	677mm   26.6"	989mm   38.9"
B	276mm   10.8"	276mm   10.8"	295mm   11.6"
C	87mm   3.4"	87mm   3.4"	92mm   3.6"
 KG	7kg   15.4lbs	8.7kg   19.2lbs	14.5kg   32lbs



### Post-top

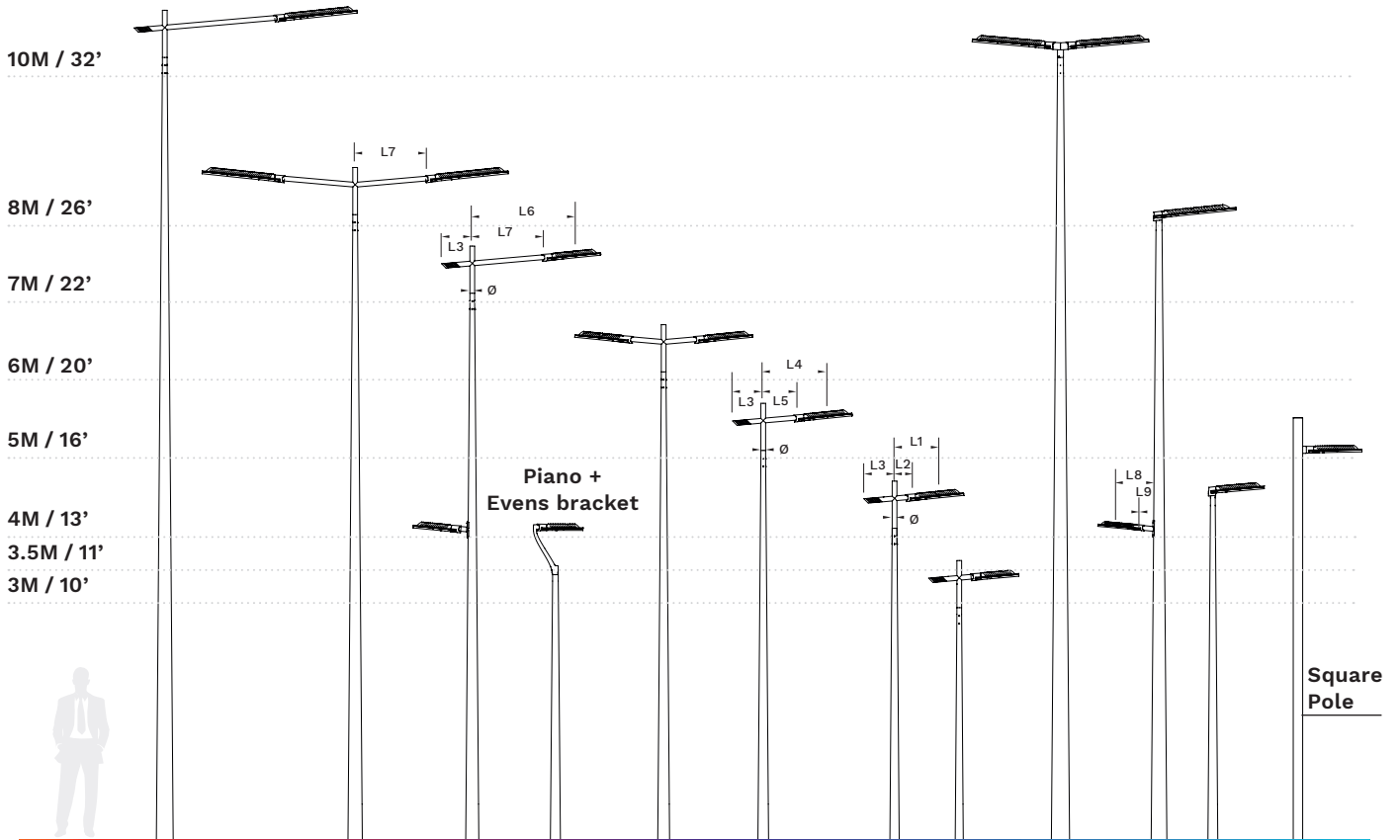


### Side-entry



## Korda poles and brackets

L1	615mm   24"	L6	1390mm   55"
L2	250mm   9.8"	L7	1000mm   40"
L3	390mm   15.3"	L8	570mm   22.4"
L4	875mm   34.4"	L9	150mm   5.9"
L5	500mm   19.7"	Ø	60mm   2"





# Yoa

Efficiency and style throughout the city







IP 66

IK 08

IK 10



Design : Michel Tortel

**The Yoa range offers a complete solution to light urban spaces with the same efficiency and the same astonishing elegance throughout the city.**

From large avenues to narrow streets and squares, the various configurations (side-entry, post-top and catenary solutions) provide aesthetic ensembles to create a distinctive identity for the city landscape.

The Yoa luminaire is equipped with the second generation LensoFlex®2 photometric engine which offers a high-performance photometry optimised for each specific application with minimum energy consumption. Built with recyclable materials - aluminium and glass - the Yoa luminaire is available in two sizes:

**Yoa Midi** is particularly suited to lighting residential areas, urban roads, parks, squares, pedestrian zones,...

**Yoa Maxi** is ideal for large avenues and main roads.

The Yoa range offers flexible combinations of LED modules, driving currents and dimming options to provide a cost-effective solution while improving comfort and safety for people.

## Key advantages

- Maximised savings in energy and maintenance costs
- LensoFlex®2 offering high performance photometry, comfort and safety
- The crown and its patterned glass protector associated with an embellishment plate for a detailed aesthetic finish
- LED modules with flexible combinations of LEDs
- FutureProof
- ThermiX®
- Surge protection 10kV
- Designed to incorporate the Owlet range of control solutions

## Characteristics


Yoa	MIDI	MAXI
Recommended installation height	4 to 10m / 13' to 32'	
Typical luminaire output flux (range)	600 to 12,100lm	6,600 to 22,200lm
Power consumption	9.7W to 108W	69W to 177W
Colour temperature	Warm, neutral or cool white	
Nominal voltage	220-240V / 120-277V 50-60Hz	
Surge protection	10kV	

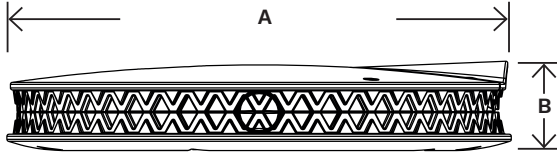
## Main applications



# Yoa

## Dimensions | Mounting

	Midi	Maxi
A	500mm   19.7"	650mm   25.6"
B	92mm   3.6"	92mm   3.6"
	13kg   28.6lbs	20kg   44lbs

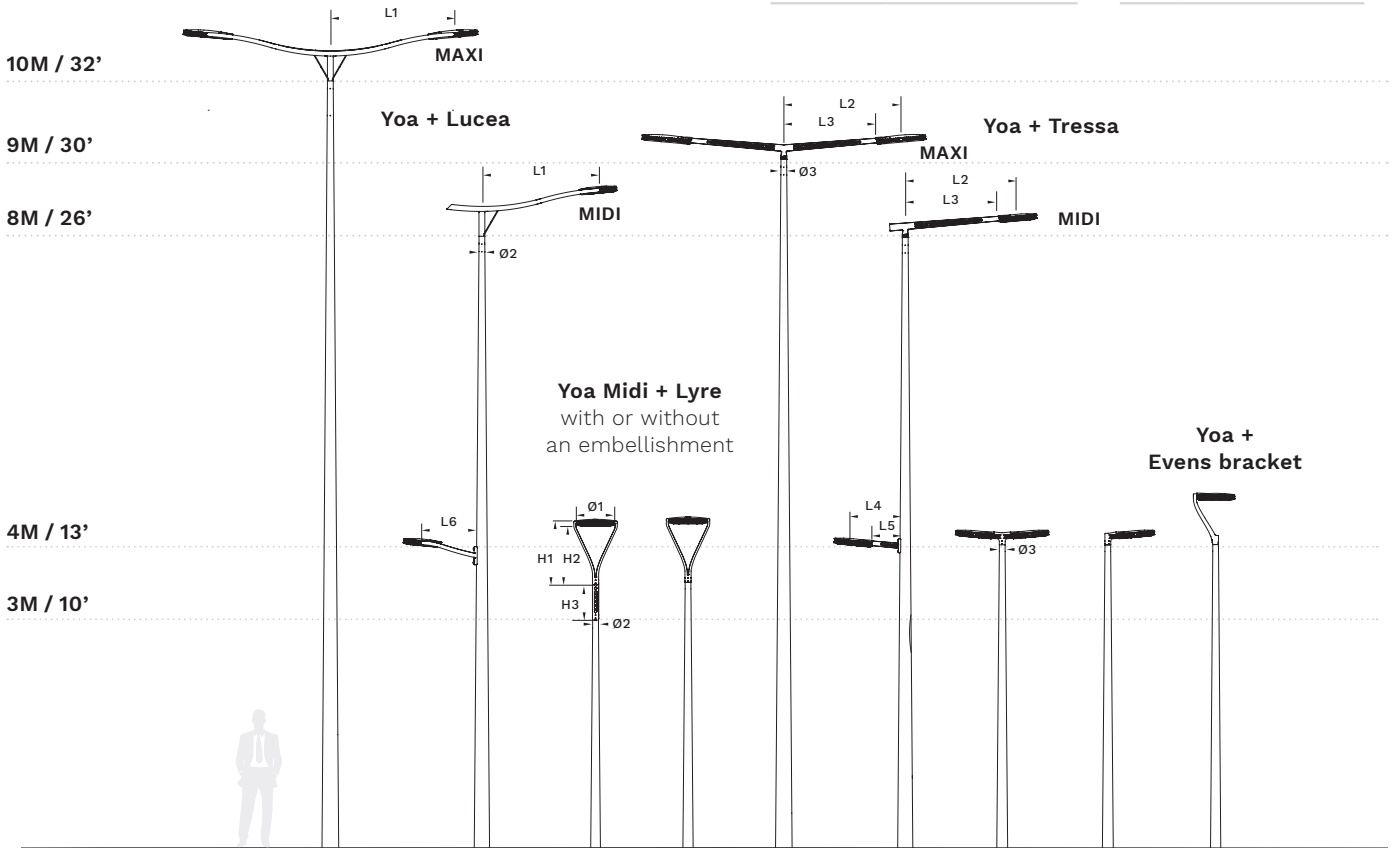


## Mounting

The Yoa luminaire offers slip-over mounting onto a bracket with a 48-60mm (1.8" - 2") diameter spigot (length: 115mm/4.5" for Midi and 125mm/4.9" for Maxi). Special brackets for post-top (Lyre) or side-entry (Lucea/Tressa) mounting, as well as a catenary version, are available as options to create aesthetic ensembles.

## Lucea | Tressa poles and brackets

L1 MAXI	1600mm   63"	L6	710mm   28"
L1 MIDI	1500mm   60"	Ø1	565mm   22.2"
L2 MAXI	1528mm   60.2"	Ø2	76mm   3"
L2 MIDI	1461mm   57.5"	Ø3	76mm   3"
L3	1320mm   52"	H1	850mm   33.5"
L4	624mm   24.5"	H2	765mm   30"
L5	480mm   18.9"	H3	460mm   18"





**Yoa + Tressa**  
The Tressa bracket can be fitted with a static low-power LED for accent lighting to create a distinctive identity.



**Yoa + Lucea**



**Yoa + Lyre**

**Yoa + Lyre**  
Version with an embellishment



**Yoa catenary**





# CMS LED

Elegant and successful design with state-of-the-art LED technology





IP 65

IK 08



**The CMS LED range of luminaires combines three models - Citea LED, Maya LED and Scala LED - distinguished by the design of their crown.**

The CMS LED range uses advanced LED technology, offering complete, efficient and sustainable lighting solutions to ensure well-being and security for users.

The 3 models are available in 3 sizes offering a wide variety of possibilities in lumen package. The Mini and Midi sizes for up to 48 LEDs are ideally suited to lighting residential streets, urban roads, bike paths and car parks, while the Maxi with 64 LEDs is perfect for large urban roads, avenues, squares, etc.

The CMS range is equipped with the second generation LensoFlex®2 photometric engine which offers a high-performance photometry optimised for each specific application with minimum energy consumption.

## Key advantages

- A timeless design with the advantage of LED technology
- Low energy consumption
- LensoFlex®2 photometric engine adapted to various applications
- Maximum versatility: 3 models with 3 sizes each
- Large choice of mounting systems and brackets
- Surge protection 10kV

## Characteristics


CMS LED	MINI	MIDI	MAXI
Recommended installation height	4 to 10m / 13' to 32'		
Typical luminaire output flux (range)	1,500 to 8,700lm	1,600 to 8,700lm	6,200 to 9,700lm
Power consumption	19W to 75W	19W to 75W	70W to 78W
Colour temperature	Warm, neutral or cool white		
Nominal voltage	220-240V / 50-60Hz		
Surge protection	10kV		

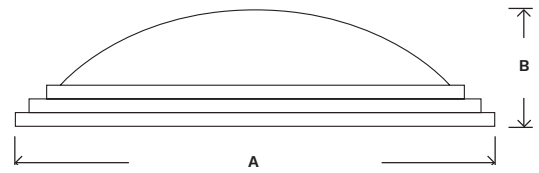
## Main applications



# CMS LED

## Dimensions

	Mini	Midi	Maxi
A	490mm   19.3"	590mm   23.2"	675mm   26.7"
B	167mm   6.5"	190mm   7.5"	230mm   9"
 KG	10kg   22lbs	12.5kg   27.5lbs	19kg   41.9lbs



## Versions

Citea LED



Maya LED

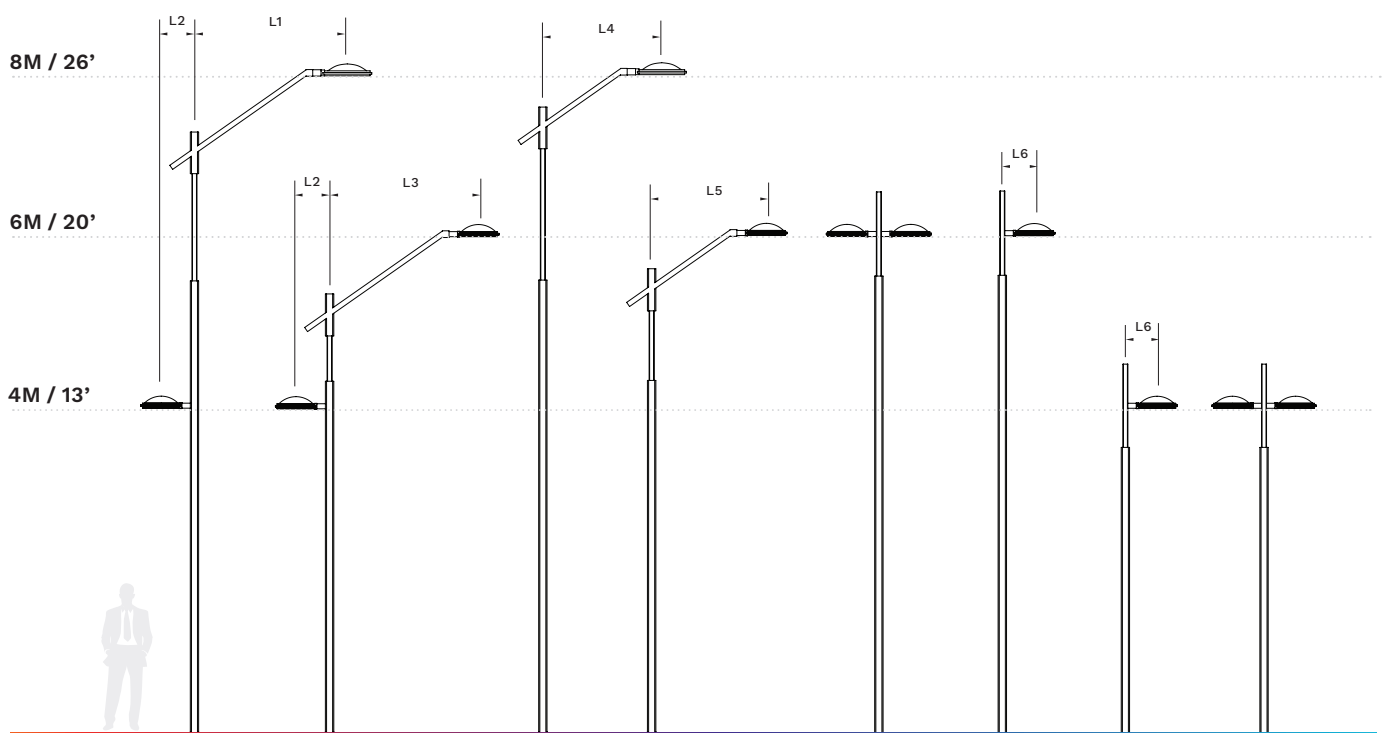


Scala LED



## Citea LED | Nun'Alvares poles and brackets

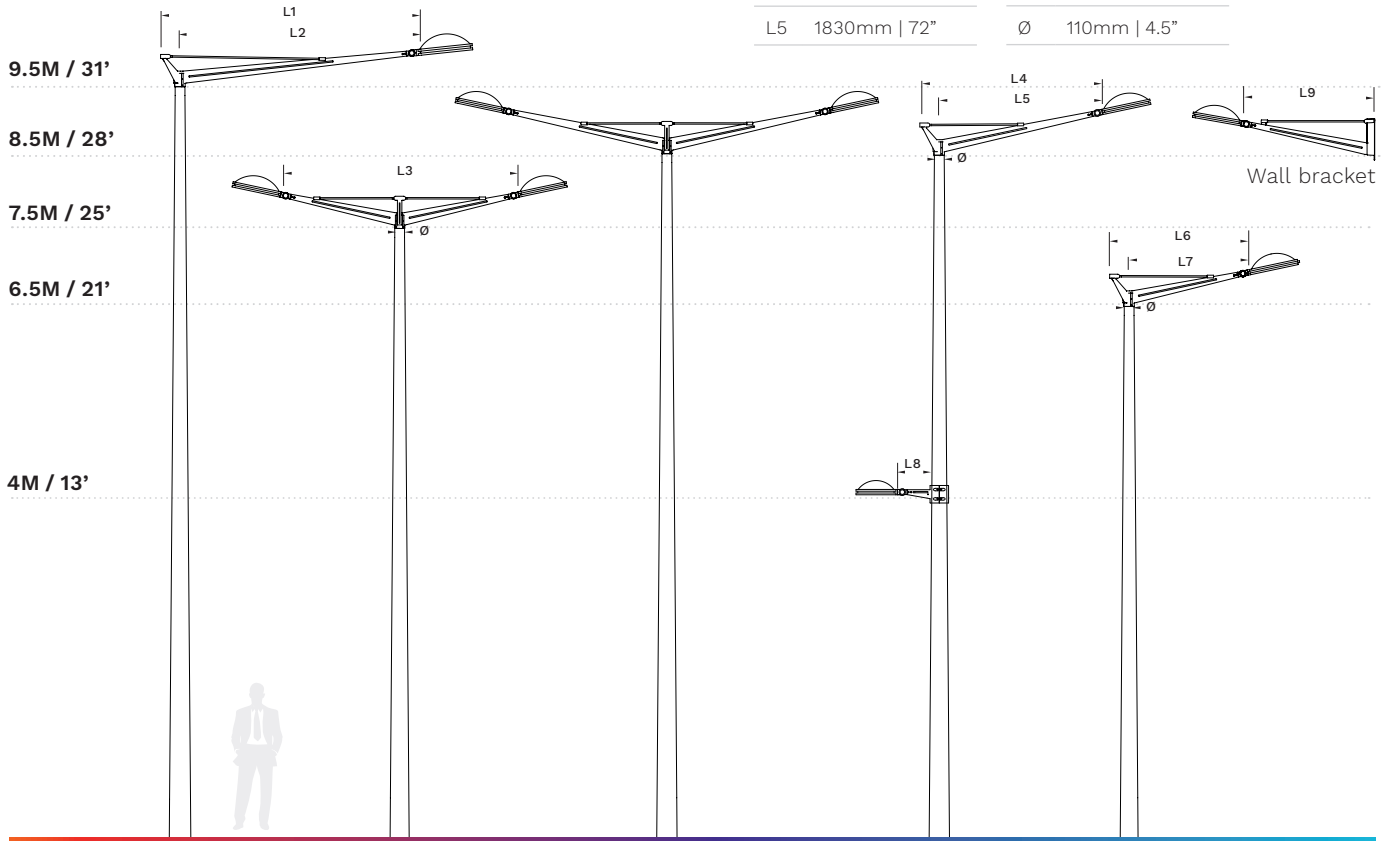
L1	1837mm   72"	L4	1427mm   56.2"
L2	400mm   15.5"	L5	1362mm   53.6"
L3	1772mm   70"	L6	380mm   15"





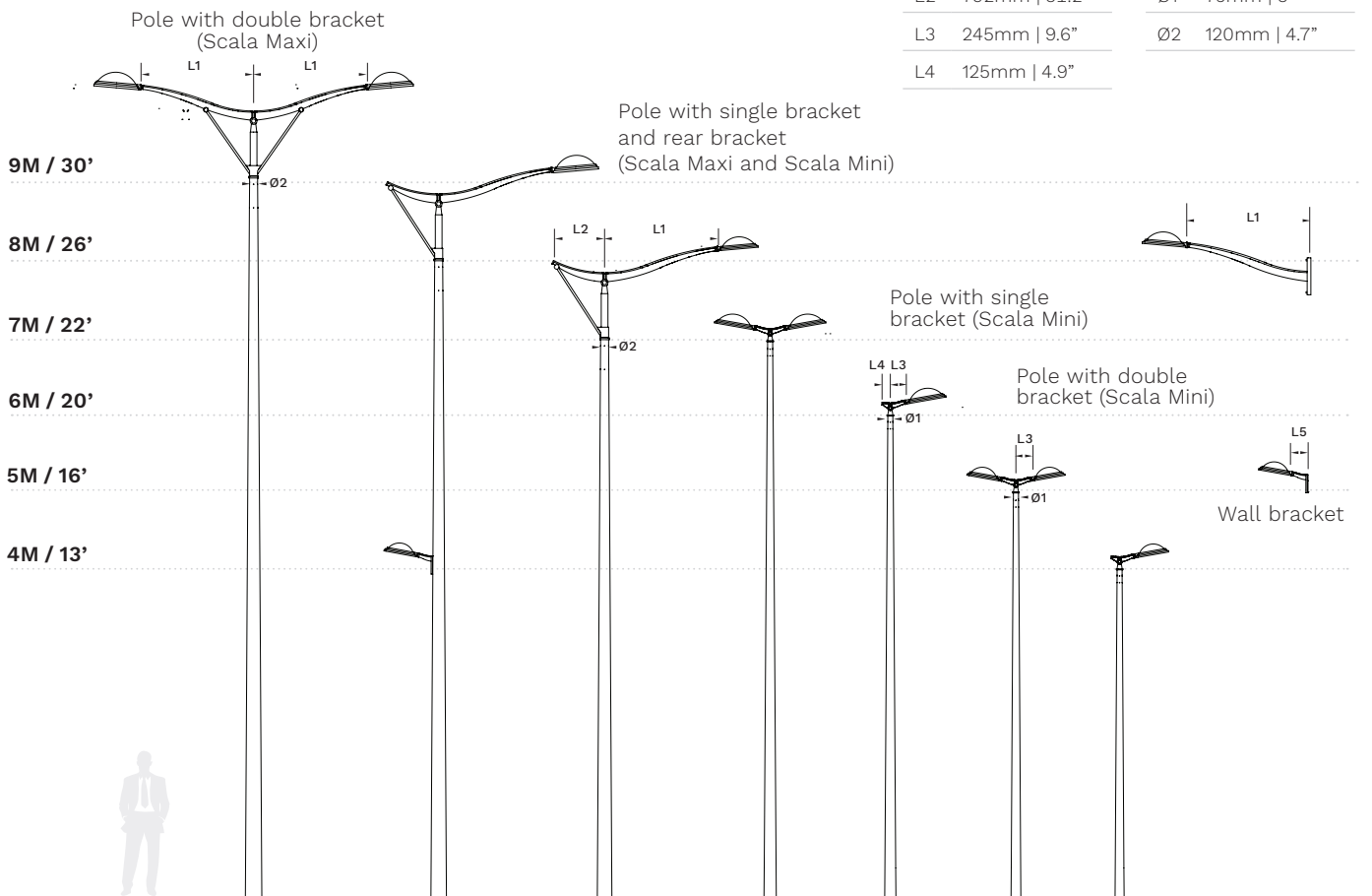
## Maya LED | Equinoxe poles and brackets

L1	2877mm   113"	L6	1554mm   61.2"
L2	2658mm   105"	L7	1330mm   52.4"
L3	2674mm   105.2"	L8	470mm   18.5"
L4	2050mm   80.7"	L9	1277mm   50.3"
L5	1830mm   72"	Ø	110mm   4.5"



## Scala LED | Lutecia poles and brackets

L1	1695mm   67"	L5	245mm   9.6"
L2	792mm   31.2"	Ø1	76mm   3"
L3	245mm   9.6"	Ø2	120mm   4.7"
L4	125mm   4.9"		







# Citea NG

New generation  
New lighting levels  
New features





IP 66

IK 10



**Completely redeveloped, the only feature that the Citea New Generation shares with its predecessor, is the pure design that easily blends into all types of rural and urban environments.**

The Citea New Generation has been designed to incorporate the latest generation LEDs and optics. The mechanical design was smartly thought out to separate the LED module and the driver compartment to optimise thermal management. Thanks to this new design, the long life span of the LEDs is guaranteed and performance is assured over time.

The Citea New Generation is available in two sizes: Mini and Midi. Mini, which can incorporate 8 to 48 LEDs is the ideal solution for lighting residential streets, urban roads and car parks while the Midi which can integrate 16 to 96 LEDs is perfect for main roads, avenues and squares. With suspended or side-entry mounting options, the Citea New Generation can be installed on various brackets (simple, double, wall) and columns for a perfect integration into the landscape.

## Key advantages

- Timeless and elegant design for rural and urban environments
- Two sizes available: Mini and Midi
- Protector in extra-clear tempered glass for high-performance
- Wide range of mounting options and brackets
- Low energy consumption
- LensoFlex®2 photometric engine with light distributions adapted to various applications
- ThermiX®: withstands high temperatures (Ta 40°C/104°F)
- FutureProof: easy replacement of photometric engine and power supply on-site
- Designed to incorporate the Owlet range of control solutions

## Characteristics

Citea NG	MINI	MIDI
Recommended installation height	4 to 12m / 13' to 40'	
Typical luminaire output flux (range)	900 to 12,800lm	1,800 to 19,200lm
Power consumption	9.7W to 108W	18.2W to 147W
Colour temperature	Warm, neutral or cool white	
Nominal voltage	220-240V / 120-277V 50-60Hz	
Surge protection	4kV/10kV	

## Main applications



ROADS &amp; MOTORWAYS



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES




LARGE AREAS

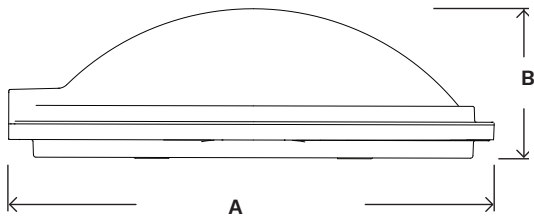


RAILWAY STATIONS &amp; METROS

# Citea NG

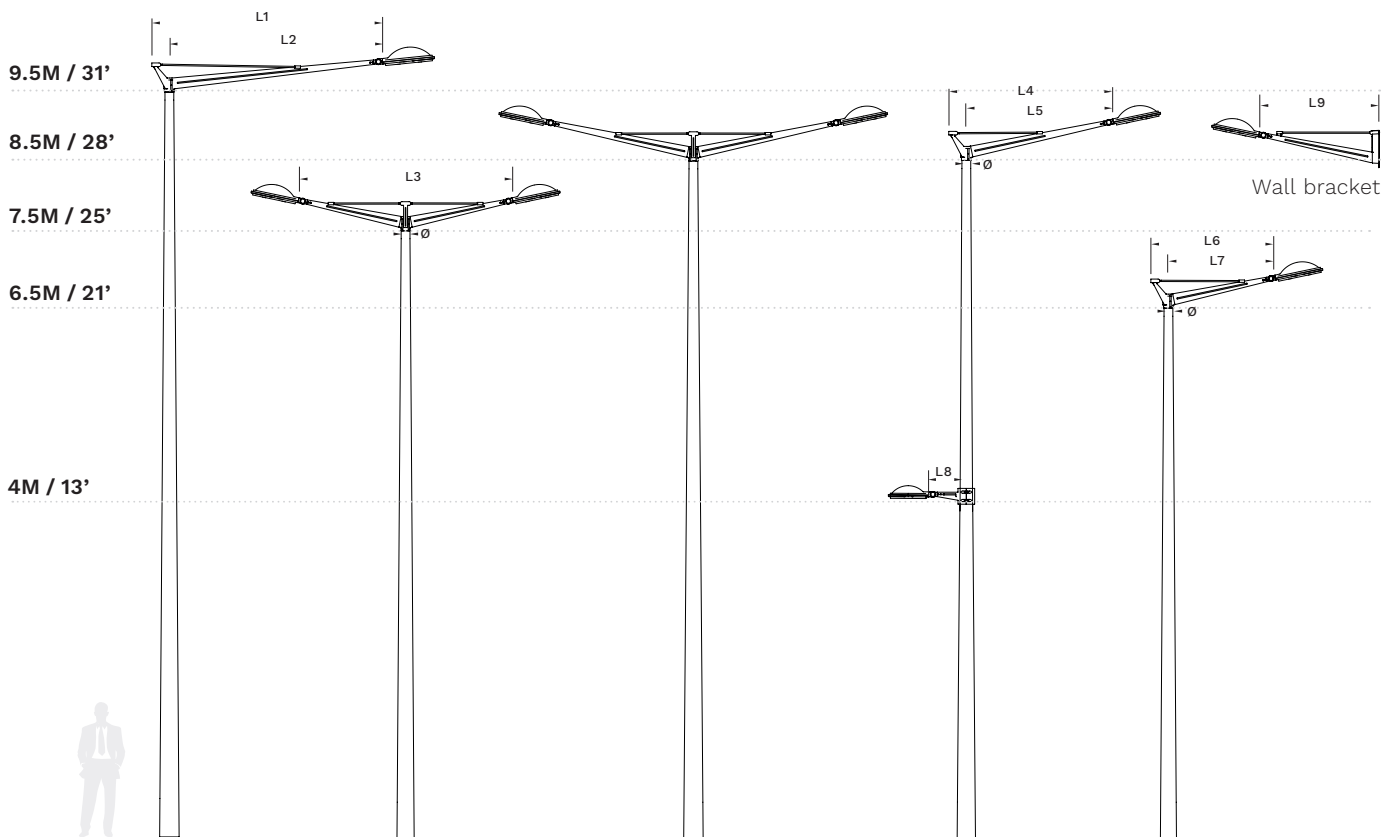
## Dimensions

	Mini	Midi
A	500mm   19.7"	595mm   23.4"
B	160mm   6.3"	185mm   7.3"
	12kg   26.4lbs	15kg   33lbs



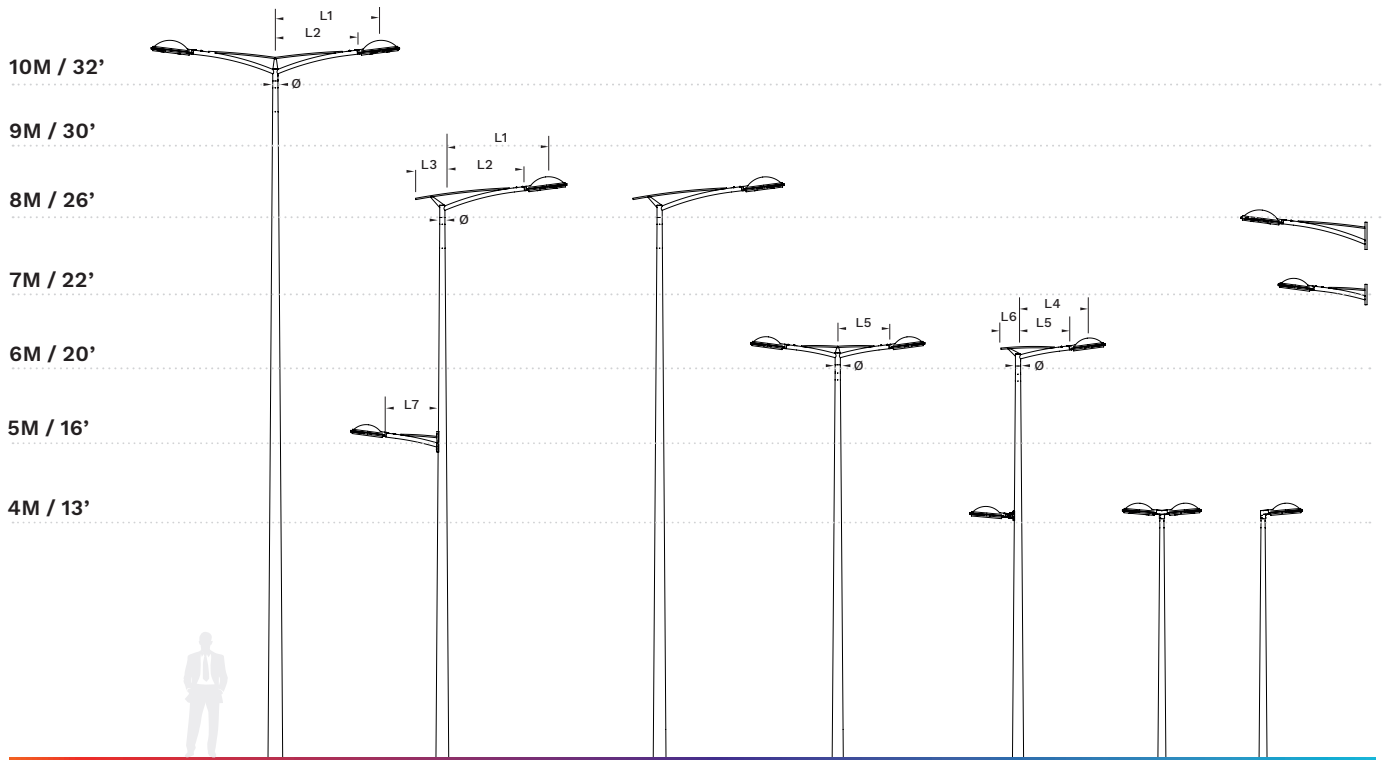
## Equinoxe poles and brackets

L1	2877mm   113"	L6	1554mm   61.2"
L2	2658mm   105"	L7	1330mm   52.4"
L3	2674mm   105.2"	L8	470mm   18.5"
L4	2050mm   80.7"	L9	1277mm   50.3"
L5	1830mm   72"	Ø	110mm   4.5"



## Vector poles and brackets

L1	1640mm   66"	L5	750mm   30"
L2	1200mm   47"	L6	251mm   10"
L3	392mm   15.4"	L7	1225mm   48"
L4	1190mm   46.8"	Ø	76mm   3"



## Flo poles and brackets

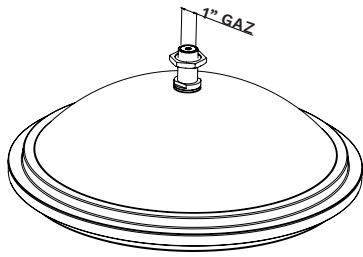
L1	1575mm   62"	L4	1120mm   44"
L2	1250mm   49"	L5	750mm   30"
L3	240mm   9.4"	Ø	76mm   3"



# Citea NG

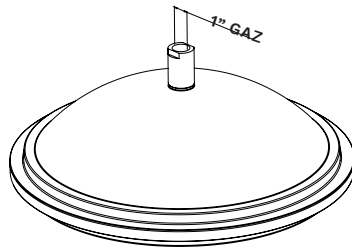
## Multiple mounting options

### Suspended mounting - Citea NG Midi



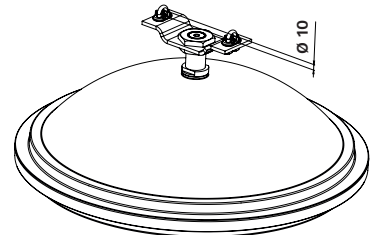
**Direct**

Male, on a spigot: a 1" bsp threaded tube (G34m)

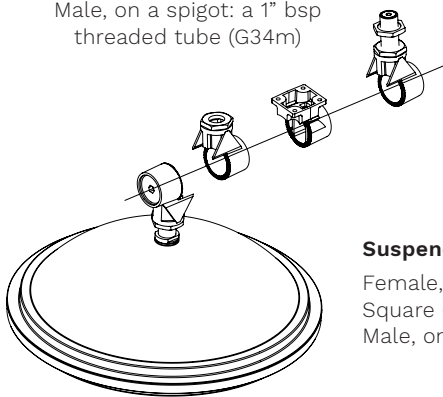


**Direct**

Female, on spigot: a 1" BSP threaded tube (G34)



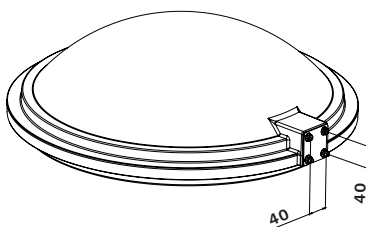
**Catenary**



**Suspended mounting with knuckle joint**

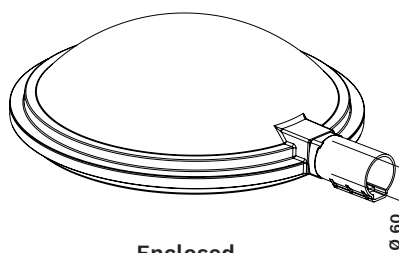
Female, on a 1" BSP threaded tube (G34F)  
Square (50x60)  
Male, on a 1" female threaded tube (G34M)

### Side-entry mounting - Citea NG Mini and Midi



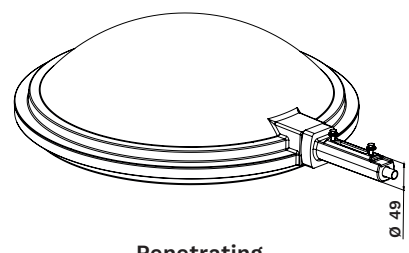
**Direct**

Square (C40x40)



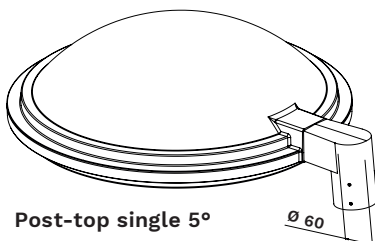
**Enclosed**

Female, on a plain spigot (D60F)

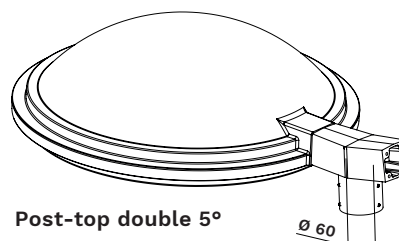


**Penetrating**

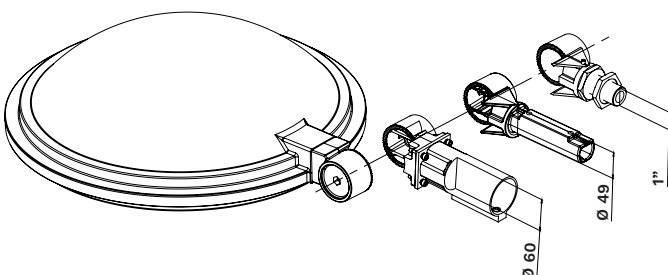
Male, on a female spigot (D60M)



**Post-top single 5°**



**Post-top double 5°**



**Mounting with knuckle joint**

Female, on a plain spigot (D60F)  
Male, on a female spigot (R/D60M)  
Male, on a 1" BSP threaded tube (R/G34M)





# Hestia LED

Elegant solution with cutting-edge LED technology





IP 65

IK 08



Design: Elizabeth de Portzamparc

## The Hestia LED has been designed by Elizabeth de Portzamparc to create a fluid, light and elegant LED luminaire.

Hestia LED offers an economical lighting solution based on state-of-the-art LED technology. This luminaire is available in two sizes - Mini and Midi - with different lumen packages, all characterised by low energy consumption for high-quality photometric performance.

The Hestia LED luminaires are equipped with second generation LensoFlex®2 photometric engines that have been specifically developed for lighting spaces where the well-being and safety of people using the environments are essential.

The Hestia LED luminaires are composed of durable and recyclable materials. The painted die-cast aluminium body is attached to a curved (Mini version) or a flat (Midi version) tempered glass protector.

## Key advantages

- Elegant design incorporating the advantages of LED technology
- Low energy consumption
- Range with two sizes and numerous lumen packages
- LensoFlex®2 photometric engine adapted to various applications
- Robust materials
- Surge protection 10kV

## Characteristics

Hestia LED	MINI	MIDI
Recommended installation height	4 to 8m / 13' to 26'	
Typical luminaire output flux (range)	1,800 to 6,200lm	5,000 to 8,800lm
Power consumption	18.2W to 51.5W	53W to 75W
Colour temperature	Warm or neutral white	
Nominal voltage	220-240V / 120-277V 50-60Hz	
Surge protection	10kV	

## Main applications



ROADS &amp; MOTORWAYS



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES




LARGE AREAS

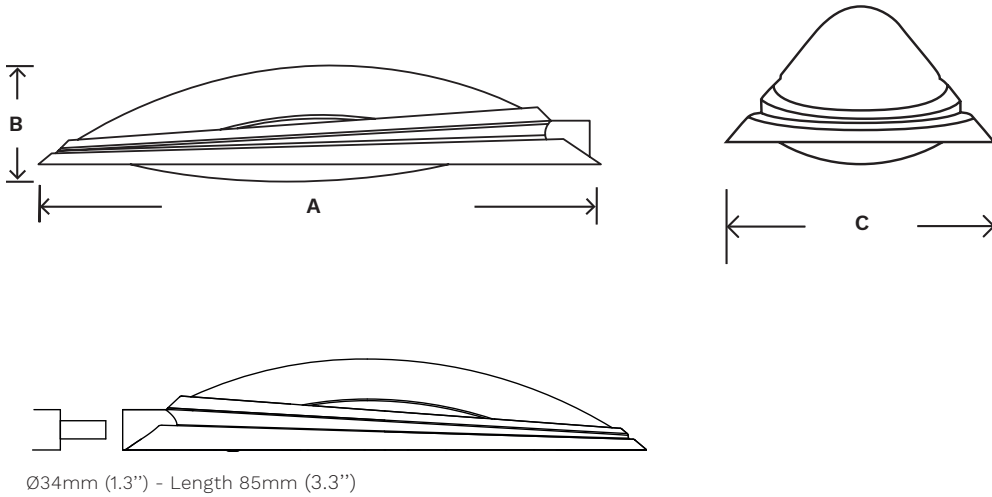


RAILWAY STATIONS &amp; METROS

# Hestia LED

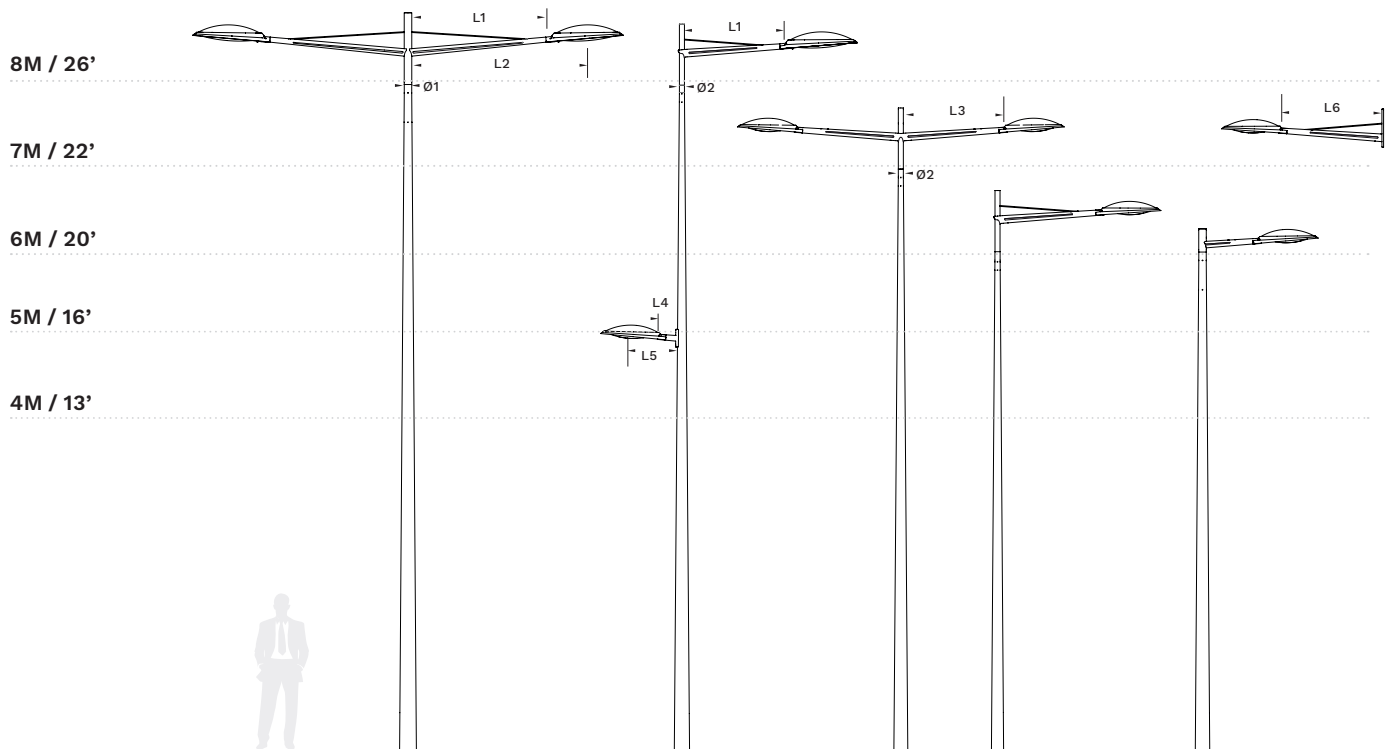
## Dimensions | Mounting

	Mini	Midi
A	780mm   30.7"	924mm   36.3"
B	163mm   6.4"	170mm   6.7"
C	266mm   10.4"	324mm   12.7"
	7kg   15.4lbs	9kg   19.8lbs



## Condor poles and brackets

L1	1695mm   67"	L5	594mm   23.4"
L2	2150mm   85"	L6	1150mm   45"
L3	1150mm   45"	Ø1	90mm   3.5"
L4	130mm   5.1"	Ø2	60mm   2"





# Albany LED

A versatile best-seller converted to LED technology





OPTICAL  
COMPARTMENT  
IP 66

CONTROL  
GEAR  
IP 55

IK 08



### A classic of the Victorian era, the Albany LED is notable for its versatility.

Available in two sizes, with a range of LED photometric engines and a timeless design, it is suitable for large urban centres as well as villages or towns.

Adopted from Spain to China and from Brazil to Malaysia, the design of the Albany LED luminaire pleases at every latitude. Now, equipped with state-of-the-art LED technology, this classic luminaire is ready to improve the quality, comfort and safety of your lighting installation while offering significant energy savings and reduced CO<sub>2</sub> emissions.

### Key advantages

- A classic shape with the advantages of LED technology
- Low energy consumption
- Photometric engines adapted to various applications
- Two sizes for aesthetic coherence
- Robust and recyclable materials
- Surge protection 10kV

### Characteristics


Albany LED	MIDI	MAXI
Recommended installation height	4 to 8m / 13' to 26'	
Typical luminaire output flux (range)	1,600 to 9,200lm	1,600 to 16,800lm
Power consumption	18.7W to 73W	18.7W to 142W
Colour temperature	Warm or neutral white	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

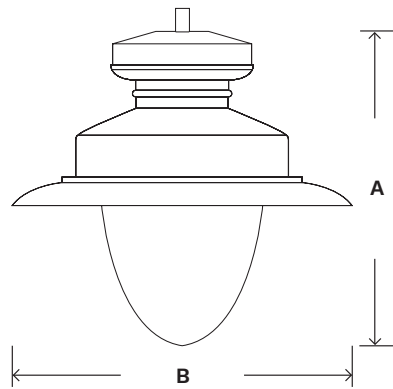
### Main applications



# Albany LED

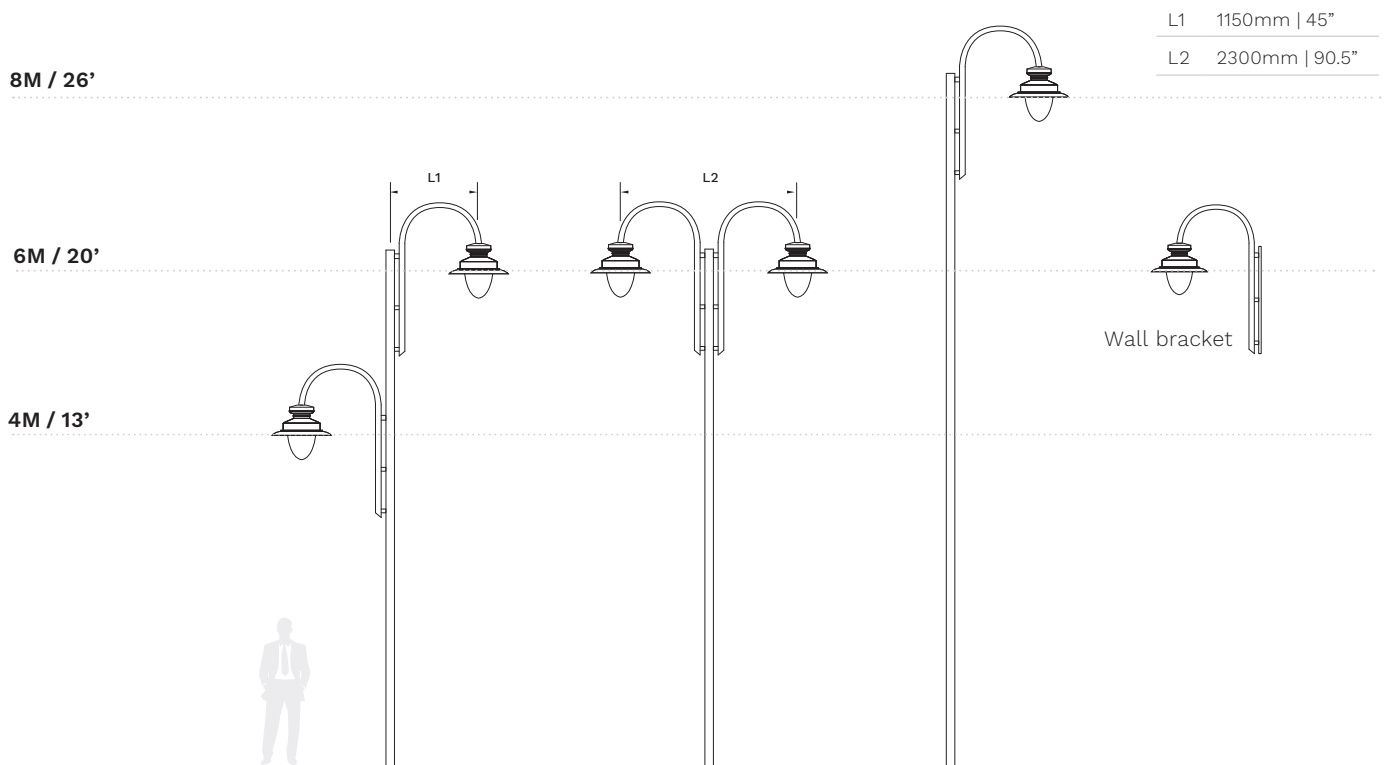
## Dimensions | Mounting

	Midi	Maxi
A	570mm   22.4"	650mm   25.6"
B	590mm   23.2"	700mm   27.5"
	8kg   17.6lb	10kg   22lb



A sanded protector is available as an option.

## Cayado columns and brackets







# Dexo

A modern identity for efficient catenary LED lighting





IP66

STANDARD  
VERSION  
IK 07ON  
REQUEST  
IK 08

Design: Thomas Coulbeaut

## The Dexo luminaire uses state-of-the-art LED technology to provide cost-effective lighting for urban catenary applications.

The combination of a pure and elegant design with the high performing LensoFlex®2 LED photometric engine increases safety and comfort while creating a distinctive identity in the city.

Made of robust and recyclable materials - die-cast aluminium and glass - the Dexo offers efficient lighting with dramatic energy savings compared with luminaires equipped with traditional light sources.

The Dexo can be equipped with its suspension in transversal or axial orientation to suit most applications in urban lighting.

The flexible combinations of LED configurations, driving currents and dimming options make the Dexo a perfect tool for improving safety and comfort while reducing the ecological footprint.

## Key advantages

- Maximised savings in energy and maintenance costs
- The right light through LensoFlex®2 offering high performance photometry, comfort and safety
- Symmetrical light distribution
- FutureProof: photometric engine and electronic assembly are easy to replace
- Durable and recyclable materials
- Surge protection 10kV

## Characteristics


Dexo	
Recommended installation height	7 to 10m / 23' to 32'
Typical luminaire output flux (range)	3,200 to 11,600lm
Power consumption	36W to 99W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

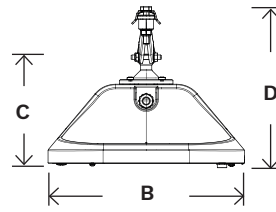
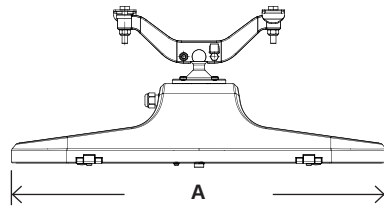
## Main applications



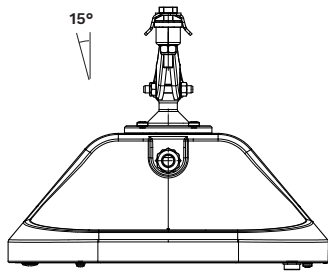
# Dexo

## Dimensions | Mounting

A	672mm   26.4"
B	352mm   13.8"
C	196mm   7.7"
D	282mm   11.1"
 KG	12.5kg   27.5lbs



Standard fixation for rope-diameter up to 12mm  
Rope fixing: rotation 90° tilt 15°





# Neos LED

Three sizes for all road and urban applications





IP 66

IK 08



Design: Michel Tortel

**The Neos LED luminaires are available in three sizes: Neos 1 with 16 or 24 LEDs, Neos 2 with 32 or 48 LEDs and Neos 3 with 64 LEDs.**

The Neos LED range combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 concept developed by Schröder. The Neos LED luminaires are composed of a two-piece housing made of painted die-cast aluminium. The glass protector is sealed onto the cover. Mounting by means of a fork enables the inclination to be adjusted precisely on-site.

## Key advantages

- IP 66 tightness level
- LensoFlex®2 photometric engine with photometry adapted to various applications
- Wide inclination angle ajustable on-site
- FutureProof: easy replacement of the photometric engine and electronic assembly
- Surge protection 10kV
- Quality recyclable materials

## Characteristics

Neos LED	1	2	3
Recommended installation height	4 to 12m / 13' to 40'		
Typical luminaire output flux (range)	1,600 to 4,700lm	3,200 to 9,400lm	6,200 to 11,900lm
Power consumption	18.3W to 37.6W	34.5W to 73W	66.5W to 95W
Colour temperature	Warm, neutral or cool white		
Nominal voltage	220-240V / 120-277V 50-60Hz		
Surge protection	10kV		

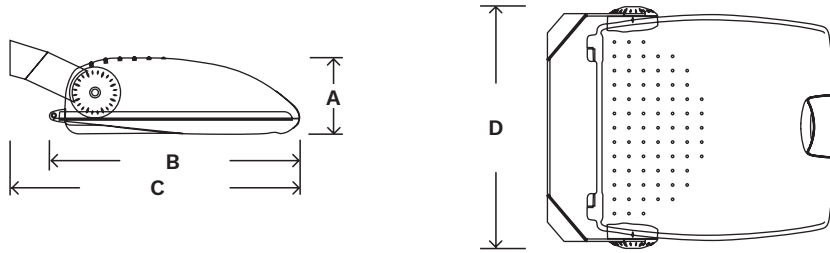
## Main applications



# Neos LED

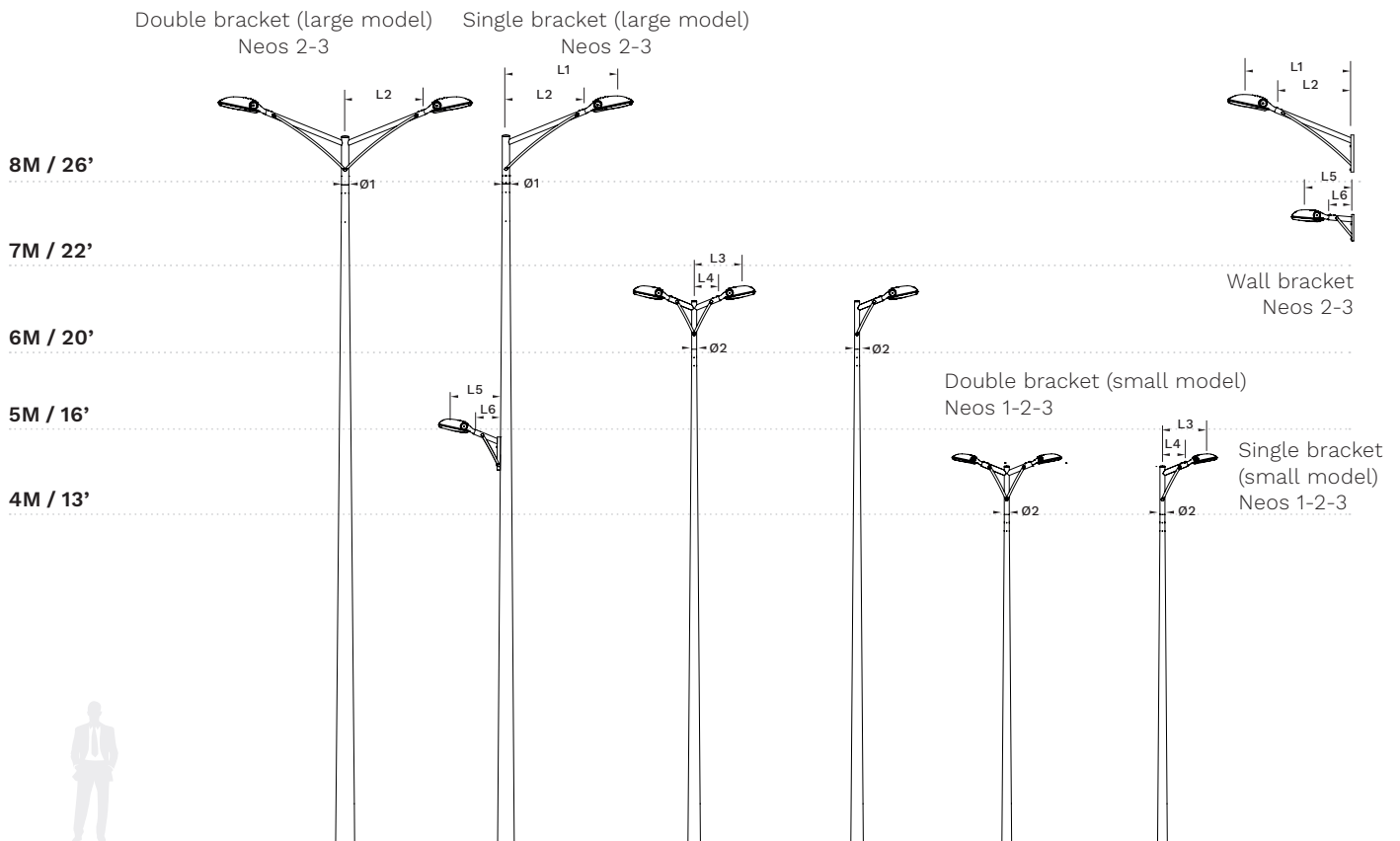
## Dimensions

	Neos 1	Neos 2	Neos 3
A	100mm   3.9"	140mm   5.5"	160mm   6.3"
B	325mm   12.8"	390mm   15.3"	520mm   20.4"
C	360mm   14.1"	441mm   17.3"	600mm   23.6"
D	320mm   12.6"	398mm   15.6"	500mm   19.7"
 KG	1.8kg   2.2lbs	5kg   11lbs	8kg   17.6lbs



## Tekton poles and brackets

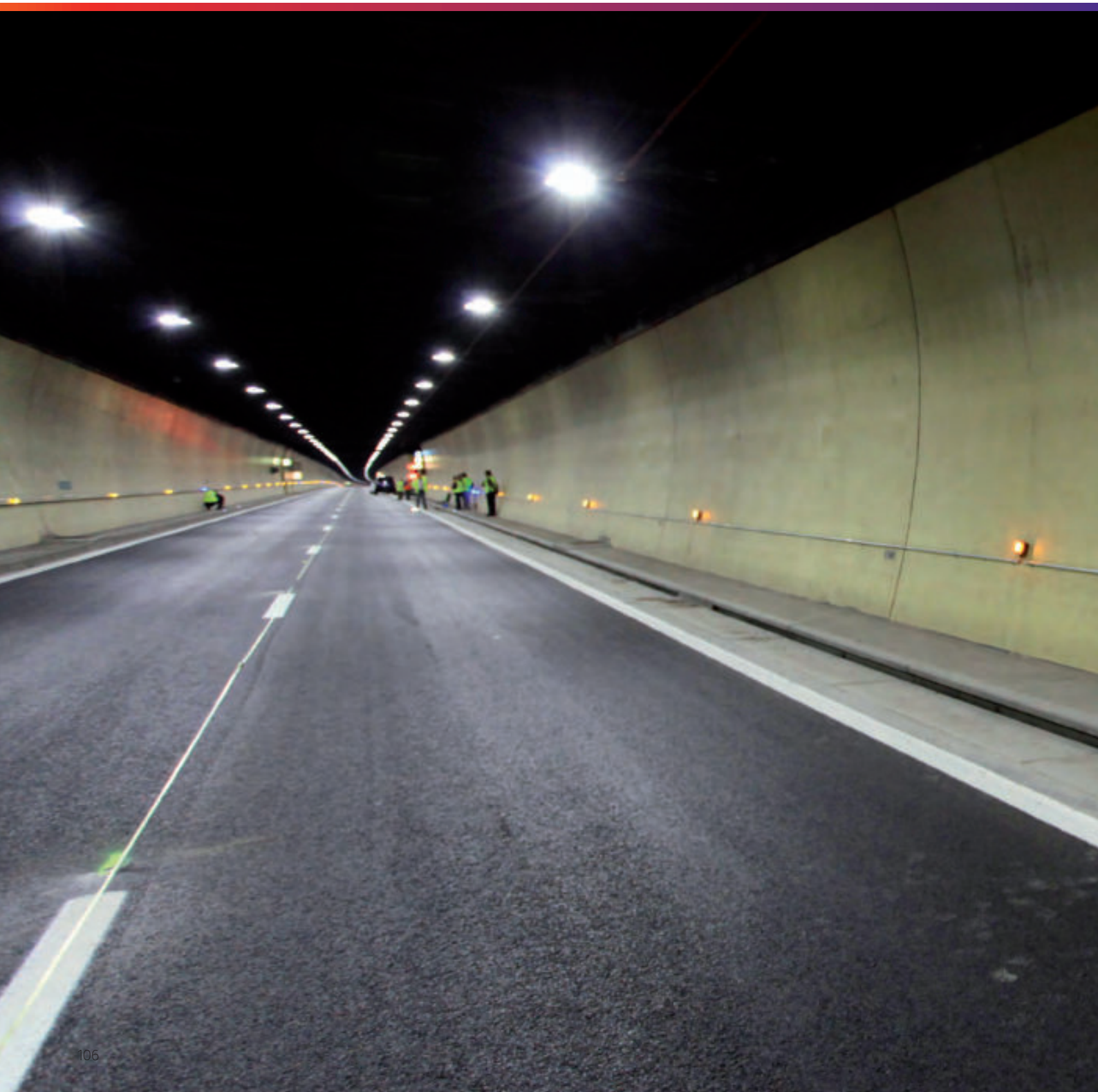
L1	1250mm   49"	L5	600mm   23.6"
L2	960mm   38"	L6	300mm   11.8"
L3	590mm   23.2"	Ø1	89mm   3.5"
L4	300mm   11.8"	Ø2	60mm   2"







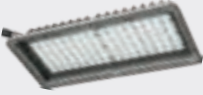
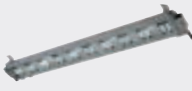



# TUNNEL







# Tunnel portfolio - characteristics

		TYPICAL LUMINAIRE OUTPUT FLUX (RANGE)	COLOUR TEMPERATURE	TIGHTNESS LEVEL	IMPACT RESISTANCE	NOMINAL VOLTAGE	ELECTRICAL CLASS	MATERIAL - BODY	MATERIAL - PROTECTOR	COLOUR / FINISH
	<b>TAG</b>	13,800 to 48,200lm	Warm or neutral white	IP 66 (*)	IK 08 (control gear) IK 09 (optical unit) (**)	220-240V 50-60Hz	EU I (*)	High-pressure die-cast aluminium	Glass	RAL 7040T (***)
116										
	<b>CONTEILED</b>	1,000 to 15,300lm	Neutral or cool white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU II (*)	Extruded aluminium Die-cast aluminium	Glass	Anodised aluminium + Painted aluminium
120										
	<b>OMNISTAR</b>	6,900 to 63,900lm	Warm, neutral or cool white	IP 66 (*)	IK 08 (**)	220-240V 120-277V 347-480V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	Glass	AKZO grey 900 sanded (***)
124										
	<b>GL2 COMPACT</b>	1,900 to 25,200lm	Neutral white	IP 66 (*)	IK 08 (**)	220-240V 120-277V 347-480V 50-60Hz	EU I or II US 1 (*)	Extruded aluminium Die-cast aluminium	Glass	Anodised aluminium + Painted aluminium
128										
	<b>FV32 LED</b>	3,500 to 32,100lm	Neutral or warm white	IP 66 (*)	IK 08 (**)	220-240V 120-277V 347-480V 50-60Hz	EU I US 1 (*)	Extruded aluminium Die-cast aluminium	Glass	Anodised aluminium + Painted aluminium
132										

(\*) According to IEC - EN 60598 | (\*\*) According to IEC - EN 62262 | (\*\*\*) Any other RAL or AKZO colour upon request

# Schröder Tunnels

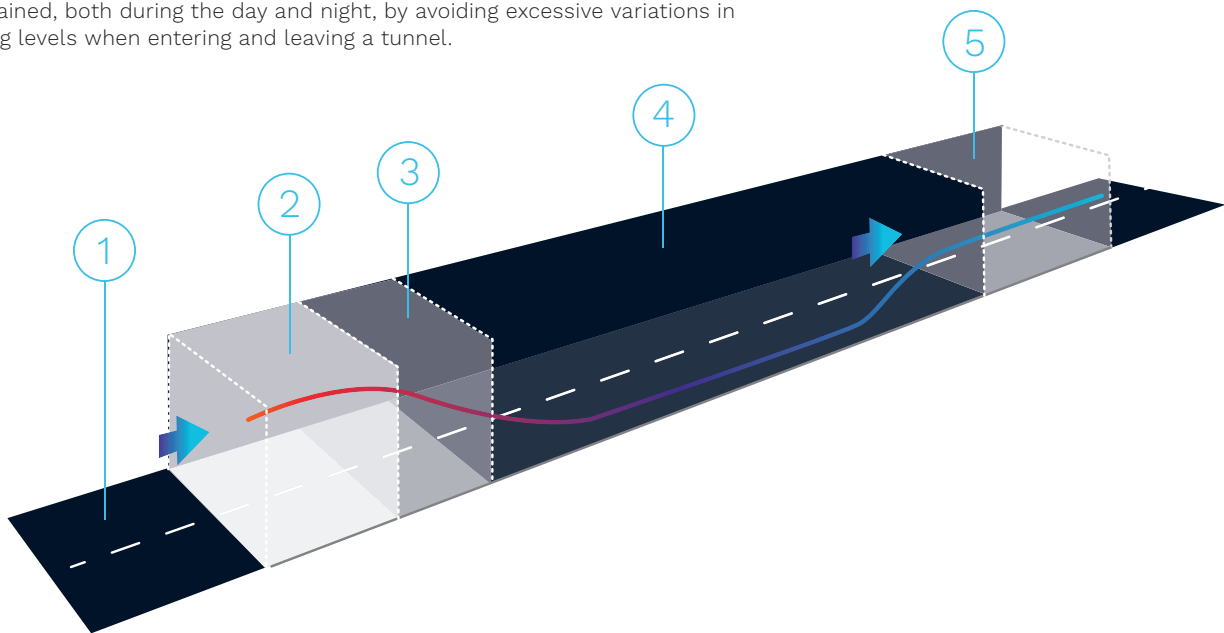
## Safe and reliable solutions with high added-value

**Schröder provides efficient lighting solutions for tunnels and underpasses. Our offer covers the full scope of the project from design to after-sales services, including smart technology for a fast and easy installation, adaptive lighting, intelligent control systems and safety equipment.**

Our dedicated solutions transform tunnels and underpasses into safe, comfortable, sustainable and intelligent routes offering a pleasant driving experience for the users and operational benefits for the managers.

### A challenging environment

Tunnel lighting must always guarantee that the visual perception of a driver is maintained, both during the day and night, by avoiding excessive variations in lighting levels when entering and leaving a tunnel.



ZONE	DEFINITION	REQUIREMENTS	CHALLENGE IN TERMS OF LIGHTING	RISK LEVEL	
1	ACCESS	Area leading to the tunnel entrance	Drivers must be able to identify obstacles	- Light uniformity - Lay-out restrictions (wall mounting)	Medium
2	THRESHOLD	Tunnel entrance	Maintaining the uniformity in luminance between the access area and this zone	- Avoiding the black hole effect coming from the contrast - Luminaires can create a glare effect	High
3	TRANSITION	Second part of the tunnel coming directly after the threshold zone	Progressively reducing the luminance to allow the human eye to adapt	Providing the right levels to enable the adaptation	Medium
4	INTERIOR	Interior zone of the tunnel leading to the exit zone	High uniformity to ensure safety	Avoiding the flickering effect	Low
5	EXIT	Last section of the tunnel	Increasing the luminance level to prepare the human eye to adapt to the outside brightness	Avoiding the glare effect	High

# Designed to provide a sustainable performance

**As tunnels and underpasses can be aggressive environments, our solutions are designed and tested to withstand harsh conditions and provide a sustainable performance.**

## Corrosion

All Schröder tunnel products undergo corrosion tests in laboratories and on-site.



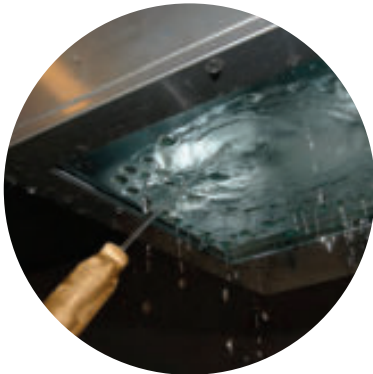
## Fire

Our products are composed of non-flammable materials to comply with the most demanding requirements (M1, Vo, etc) and do not give off toxic fumes (0% halogen, F1, etc).



## Tightness

Schröder products offer a high level of protection against micro-particles and water splashes (cleaning with high-pressure jets).



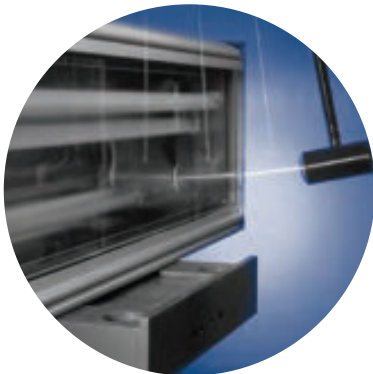
## Vibrations and wind

Each time vehicles pass, the luminaires are subjected to intense vibrations and gusts of air. In collaboration with universities, Schröder rigorously tests its tunnel products and mountings in laboratories and wind tunnels.



## Shocks

Stones and unsecured truck loads can hit devices installed in a tunnel. Our products are duly tested to resist violent shocks.



## Protection

Schröder LED tunnel luminaires sealed with flat glass guarantee a more constant efficiency than luminaires where the lenses are in direct contact with the atmosphere. They minimise the amount of material needed, ensure better safety for users, reduce maintenance requirements and contribute to energy efficiency.



# Full-scope solutions

Schröder provides complete solutions to ensure perfectly safe and comfortable tunnels with a minimised total cost of ownership.

## SENSORS



- Luminance meter
- Photocell
- Motion, presence and speed detection sensors

## DRIVER BOXES



- Robust IP 66 boxes for installation in the tunnel itself
- Large IP 65 boxes for installation in service galleries

## CABLES AND CONNECTORS



- Fire resistant cables with customised lengths to perfectly fit the tunnel layout
- Click-on impact resistant connectors
- T junction connectors with integrated phase shift

## LUMINAIRE CONTROLLER



The Lumgate is an interbus device connected to the luminaire drivers to control the light intensity and provide command/reporting features. One Lumgate can control several luminaires.

## LOCAL CONTROL SYSTEM



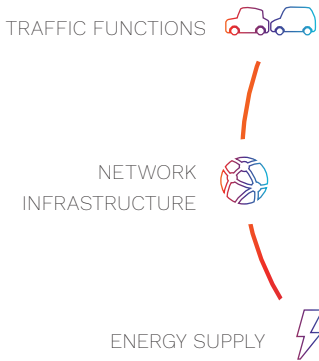
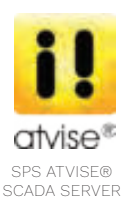
The ATS (Advanced Tunnel Solution) is a control system that manages luminaire controllers (Lumgates) to deploy pre-defined lighting scenarios or to take charge of the lighting installation at any moment. The ATS controller can operate as a standalone unit or can be linked to the main tunnel control system to interact with features not directly related to lighting (traffic management, ventilation, fire detection etc.).

## TUNNEL CONTROL SYSTEM

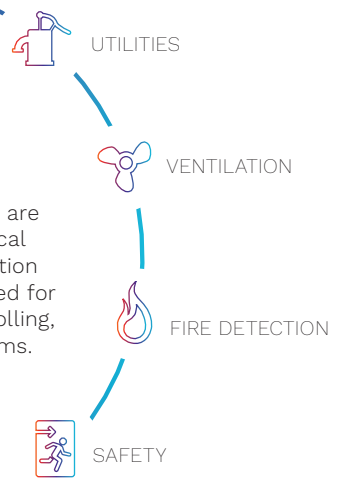


The Tunnel Control System (TCS) is a gateway ensuring the connection/control of the multiple ATS controllers as well as the communication with the central management system of the tunnel infrastructure (SCADA) if applicable.





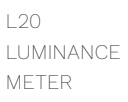
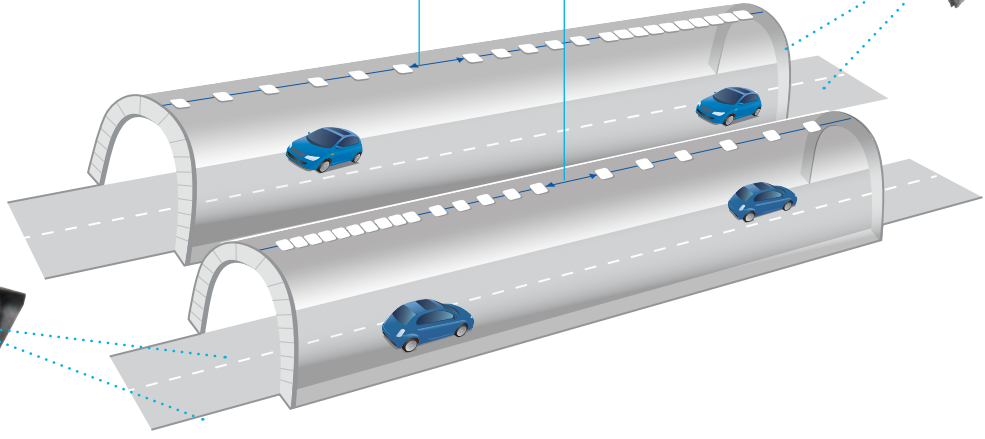
The Schröder tunnel solutions are based on the Profinet technical standard for data communication over Industrial Ethernet, designed for collecting data from, and controlling, equipment in industrial systems.











TCS (REDUNDANT)  
CONTROL OF TUNNEL COMPLEX



ATS  
INTELLIGENT CONTROL OF TUNNEL LIGHTING



# Smart tunnels: 3 levels of solutions

	EQUIPMENT	FEATURES	KEY BENEFITS
<p><b>ENTRY TUNNEL SOLUTION</b></p> <p>Ideally suited for underpasses and short tunnels with very sporadic use</p>	<ul style="list-style-type: none"> <li>• LED luminaires with programmable drivers</li> <li>• Sensors (PIR, radar or camera)</li> </ul>	<ul style="list-style-type: none"> <li>• Bi-power dimming</li> <li>• Custom dimming profile</li> <li>• Dynamic dimming: detection with PIR sensor, radar or camera</li> </ul>	<ul style="list-style-type: none"> <li> Energy savings of up to 40%</li> <li> Maintenance savings of up to 60% thanks to long lasting luminaires</li> </ul>
<p><b>BASIC TUNNEL SOLUTION</b></p> <p>Perfectly adapted to urban and suburban tunnels to ensure a fluid mobility</p>	<ul style="list-style-type: none"> <li>• LED luminaires with smart drivers</li> <li>• Luminance meters</li> <li>• Sensors (PIR, radar or camera)</li> <li>• Central Processing Unit (CPU)</li> <li>• Smart cabling/connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Custom dimming profile with 8 different levels</li> <li>• Dynamic dimming: detection with PIR sensor, radar or camera</li> <li>• Safety tunnel service lighting</li> <li>• Creation of identity with dynamic RGB lighting</li> </ul>	<ul style="list-style-type: none"> <li> Energy savings of up to 60%</li> <li> Easy installation with savings of up to 50%</li> <li> Maintenance savings of up to 60% thanks to long lasting luminaires</li> </ul>
<p><b>ADVANCED TUNNEL SOLUTION</b></p> <p>Designed for strategic tunnels (motorway or high traffic density) where operations are managed with a large SCADA system</p>	<ul style="list-style-type: none"> <li>• LED luminaires with smart drivers and Lumgates</li> <li>• Luminance meters</li> <li>• Sensors (PIR, radar or camera)</li> <li>• ATS system</li> <li>• TCS system</li> <li>• Smart cabling/connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Plug and play commissioning</li> <li>• Remote system updates</li> <li>• Custom dimming profile with 25 different levels</li> <li>• Dynamic dimming: detection with PIR sensor, radar or camera</li> <li>• Constant adaptive dimming in line with traffic monitoring (respect CIE standards)</li> <li>• Responsive lighting scenarios for emergency situations</li> <li>• Safety tunnel service lighting</li> <li>• Creation of identity with dynamic RGB lighting</li> </ul>	<ul style="list-style-type: none"> <li> Energy savings of up to 70%</li> <li> Easy installation with savings of up to 80%</li> <li> Maintenance savings of up to 80% thanks to long lasting luminaires</li> </ul>



# TAG

Advanced tunnel lighting solution





OPTICAL  
UNIT  
IP 66

GEAR BOX  
IP 66

OPTICAL  
UNIT  
IK 09

GEAR BOX  
IK 08



### **TAG takes advantage of the latest innovations to offer a compact, lightweight, easy-to-install, versatile and powerful tunnel lighting solution.**

With TAG, Schröder exploits the full potential of the latest digital technology to improve tunnel environments. The flat, compact and robust mechanical design of the TAG minimises mounting constraints and ensures that the luminaires occupy little space in the tunnel ceiling.

The TAG has been developed to allow constant dimming with an optimised power factor. Thanks to a design with two electronic circuits, each TAG luminaire can either be dimmed completely, partially or even have half of its LEDs switched off. This possibility not only maximises energy savings. It also extends the lifetime of the complete installation and reduces the need for disruptive maintenance.

TAG benefits from Schröder's long-standing expertise in tunnel lighting. This new range is fully compliant with the most stringent standards and can be managed by the Advanced Tunnel control System (ATS) from Schröder, to offer the highest savings while providing an optimal experience for motorists.

## Key advantages

- High-power LED solution to replace HID luminaires in the entrance and exit zones
- Designed for long-lasting performance
- Compact, lightweight and easy to install
- Two electrical circuits for enhanced dimming possibilities, optimised power factor and increased lifetime
- Remote gear boxes for versatile mounting (up to 3 TAGs per gear box)
- Wide range of lighting distributions to suit numerous tunnel configurations

## Characteristics

TAG	
Typical luminaire output flux (range)	13,800 to 48,200lm
Power consumption	130W to 399W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications




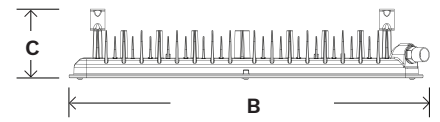
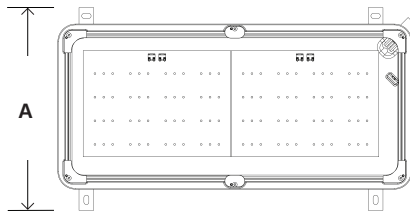
TUNNELS &  
UNDERPASSES

# TAG


## Dimensions | Mounting

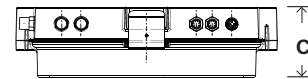
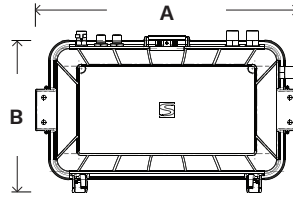
### TAG

A	343mm   13.5"
B	611mm   24"
C	116mm   4.6"
 KG	8.1kg   17.8lbs



### GEAR BOX

A	527mm   20.7"
B	313mm   12.3"
C	142mm   5.6"
 KG	12.6kg   27.8lbs





# ContiLED

Continuous LED line in tunnel lighting







IP66

IK08



### The ContiLED is designed to replace luminaires fitted with fluorescent lamps for continuous line lighting in tunnels and underpasses.

The ContiLED not only provides the required lighting levels with significant energy savings but also great visual comfort to guide motorists safely.

The ContiLED is an IP 66 sealed luminaire offering variable combinations of modules equipped with 8 LEDs (up to 64 LEDs) and optics to fully meet the specific needs of many different tunnel applications.

The LED modules are located on an internal slider which can be easily removed, allowing replacement at the end of its service life in order to take advantage of future technological improvements.

## Key advantages

- High visual comfort through continuous line lighting
- Proven photometry with LensoFlex®2
- Flexible number of LED modules and photometry
- Easy to dim
- Savings in energy and maintenance costs
- ThermiX® to maintain performance over time
- FutureProof

## Characteristics

ContiLED	1	2
Typical luminaire output flux (range)	1,000 to 7,600lm	2,000 to 15,300lm
Power consumption	8W to 65W	16W to 129W
Colour temperature	Neutral or cool white	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	


## Main applications

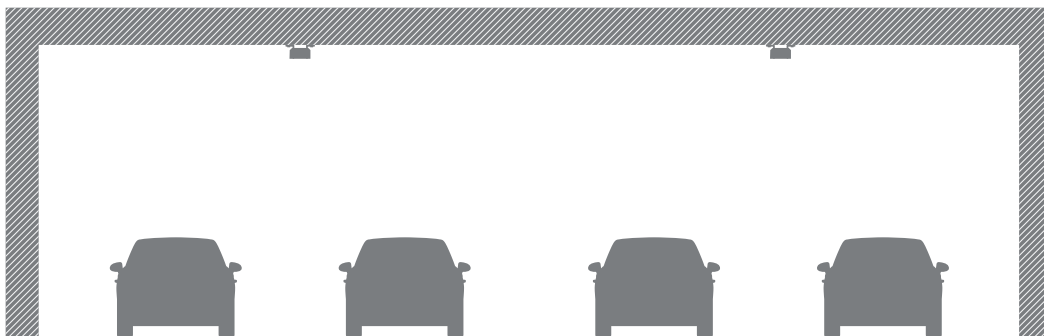
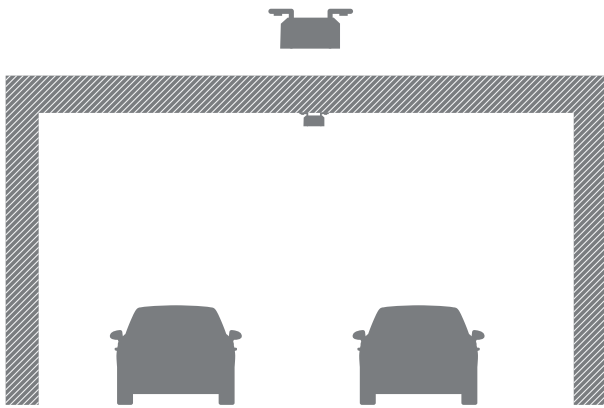
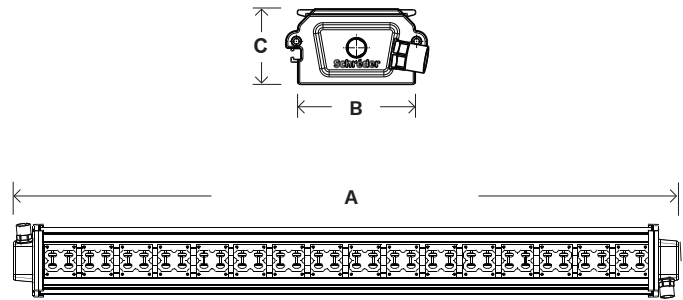


TUNNELS &  
UNDERPASSES

# ContiLED

## Dimensions

	ContiLED 1	ContiLED 2
A	602mm   23.7"	1,202mm   47.3"
B	124mm   4.9"	124mm   4.9"
C	67mm   2.6"	67mm   2.6"
 KG	7kg   15.4lbs	14kg   30.9lbs



## Options

- External power supply - driver box
- Assembly kit for luminaire lateral clamping
- Connectors including a shunt



# OMNIstar

A powerful tool to provide a complete solution for your tunnel lighting needs





OPTICAL  
COMPARTMENT  
**IP 66**

CONTROL  
GEAR  
**IP 66**

CONTROL  
GEAR  
**IP 65**

**IK08**



**The OMNIstar is a real alternative to high-intensity discharge (HID) lamps for providing the required lighting levels for the critical areas of a tunnel.**

The OMNIstar is designed to meet the different light requirements of tunnels with easy eye adaptation and excellent visibility for safety while offering a low total cost of ownership.

The design of the LensoFlex®2 and LensoFlex®3 photometric engines and the flexibility of the photometric distributions ensure that motorists can enter the tunnel in safe and pleasant conditions. In addition, the OMNIstar can be fitted with a reflector to provide a counter beam lighting solution (ReFlexo™ photometries). Composed of robust materials, the OMNIstar is highly resistant to shocks and corrosion within harsh tunnel environments.

## Key advantages

- High-power LED solution to replace HID luminaires in the entrance zone
- Wide range of lighting distributions including counter beam lighting (CBL)
- Easy to dim: can adapt to the different lighting regimes required and reduces the quantity of luminaires to be installed
- Various mounting options and inclination possibilities on-site for optimal photometry
- Compact size: for tunnels with restrictive heights and to avoid any damage
- Control system can be integrated into the full backbone system

## Characteristics

OMNIstar	
Typical luminaire output flux (range)	6,900 to 63,900lm
Power consumption	78W to 547W
Colour temperature	Warm, neutral or cool white
Nominal voltage	220-240V / 120-277V / 347-480V 50-60Hz
Surge protection	10/20kV


## Main applications

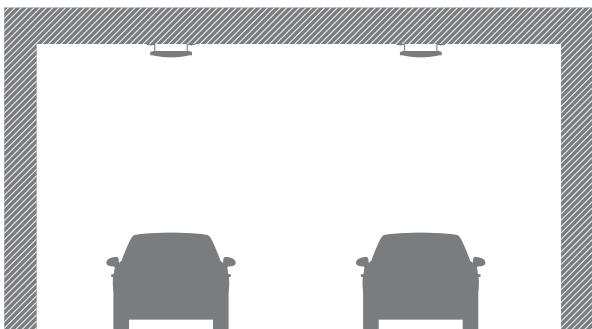
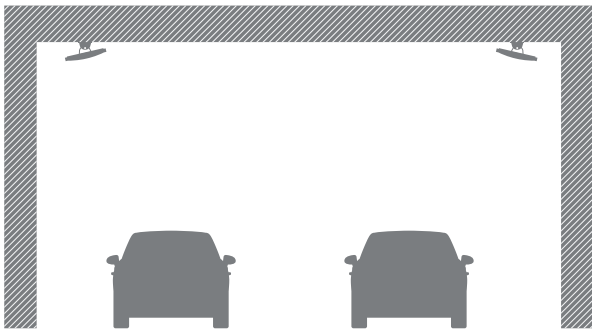
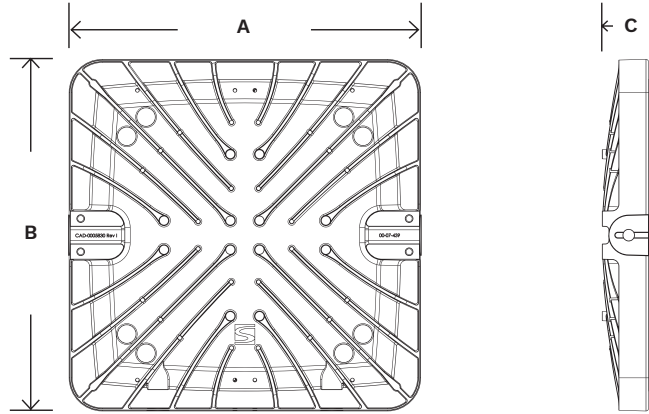


TUNNELS &  
UNDERPASSES

# OMNIstar

## Dimensions | Mounting

A	532mm   21"
B	530mm   20.9"
C	80mm   3.1"
 KG	14kg   30.9lbs



## Options

- Various types of mounting systems can be accommodated with tilting mechanism
- IP 66 driver box and optical compartment equipped with all the cables and fast connectors for an easy installation



# GL2 Compact

Compact, powerful and efficient LED solution







IP 66

IK08



### The GL2 Compact offers a unique combination of features in a slender housing for lighting the entrance, threshold and interior zones.

The GL2 Compact is an IP 66 luminaire providing a flexible solution to cover the lighting requirements of different areas. The design of the LensoFlex®2 photometric engine offers maximum versatility for lighting town and motorway tunnels, underpasses, sport facilities and industrial buildings. The photometry of the GL2 Compact can be either symmetrical or asymmetrical to adapt to the place to be lit. The luminaire offers several mounting possibilities. For example, it can be fixed directly onto a cable rack.

The photometry can be adjusted on-site thanks to a tiltable bracket (from -60° to +60°). The GL2 Compact guarantees long lasting performance with minimum maintenance. A door on one of the covers provides access to the electronic compartment.

## Key advantages

- Maximised savings in energy and maintenance costs
- High tightness level and excellent heat extraction for long lasting performance
- High level of protection against corrosion, impact and vibrations
- LensoFlex®2 engines providing performance, comfort and safety
- Wide range of lumen packages
- Excellent luminance uniformity
- On-site adjustment for optimal photometry
- Surge protection 10kV

## Characteristics


GL2 Compact	1	2	3	4	5
Typical luminaire output flux (range)	1,900 to 4,200lm	3,900 to 8,400lm	5,800 to 12,600lm	7,800 to 16,800lm	10,800 to 25,200lm
Power consumption	18.9W to 36.8W	36.8W to 70W	51.5W to 104W	67.5W to 138W	86W to 208W
Colour temperature	Neutral white				
Nominal voltage	220-240V / 120-277V / 347-480V 50-60hz				
Surge protection	10kV				

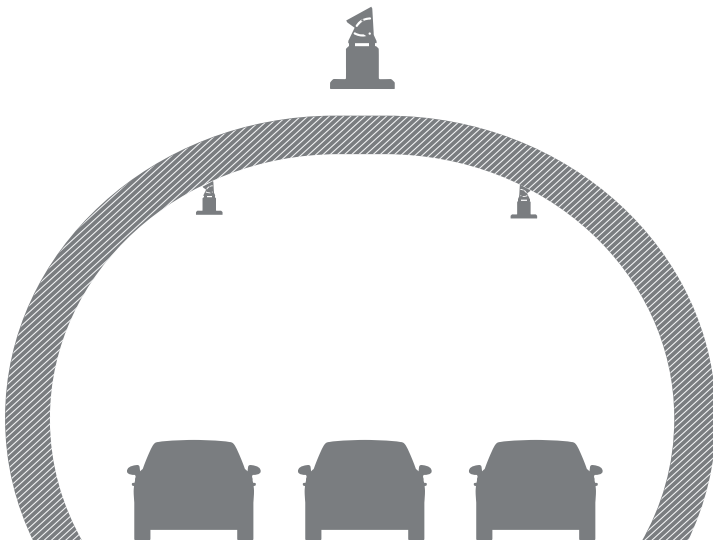
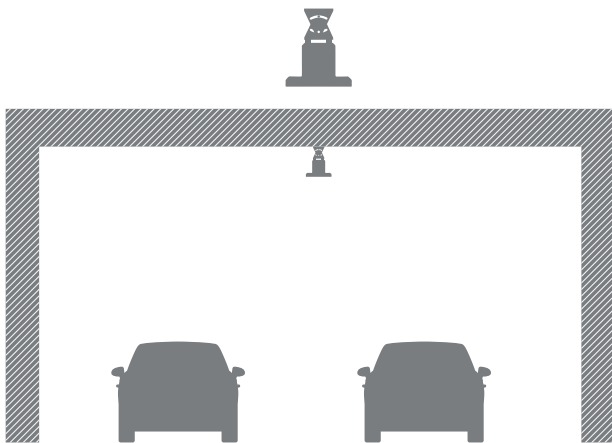
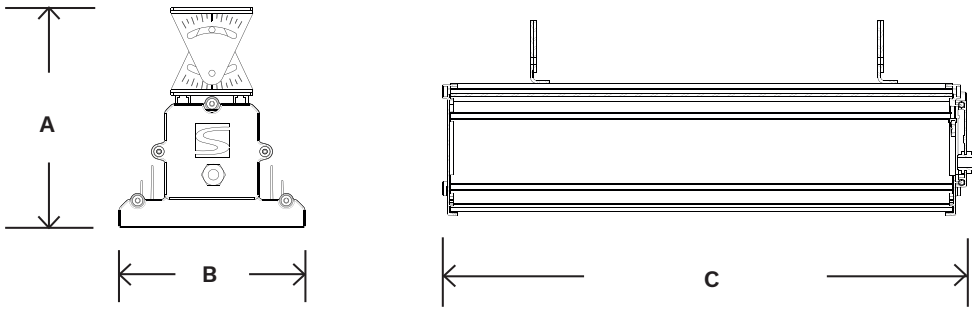
## Main applications

TUNNELS &  
UNDERPASSES

# GL2 Compact

## Dimensions

	GL2 Compact 1	GL2 Compact 2	GL2 Compact 3	GL2 Compact 4	GL2 Compact 5
A	228mm   9"	228mm   9"	228mm   9"	228mm   9"	228mm   9"
B	193mm   7.6"	193mm   7.6"	193mm   7.6"	193mm   7.6"	193mm   7.6"
C	338mm   13.3"	468mm   18.4"	538mm   21.2"	718mm   28.3"	1,058mm   41.6"
 KG	4kg   8.8lbs	5.3kg   11.7lbs	6kg   13.2lbs	7.5kg   16.5lbs	11.5kg   25.3lbs





# FV32 LED

A flexible tool to light all areas  
of the tunnel environment





IP 66

IK08



### The FV32 LED provides a flexible solution to cover different enclosed areas and meet tunnel lighting requirements.

The design of the LensoFlex®2 photometric engine and the flexibility of the photometric distributions makes the FV32 LED range an ideal instrument for lighting town and motorway tunnels or underpasses.

The extruded aluminium profile enables the number of LEDs to be adjusted in multiples of 8, starting with 32 up to a maximum of 240 LEDs.

Drivers, remote control systems and electrical connections are integrated into the luminaire. The front opening door allows access to the components when the luminaires are installed.

## Key advantages

- Adapted to a wide range of different tunnel applications to provide safety in all driving conditions
- High level of protection against corrosion, impact and vibrations
- FutureProof: easy replacement of photometric engine and power supply
- ThermiX®: maintains high performance over time
- Easy to dim
- Various inclination possibilities on-site for optimal photometry
- Control system: can be adapted to customer requirements or integrated into the backbone system

## Characteristics

FV32 LED	1	2	3
Typical luminaire	3,500 to	10,700 to	21,900 to
Output flux (range)	10,700lm	21,200lm	32,100lm
Power consumption	36W to 85W	106W to 168W	185W to 257W
Colour temperature	Warm or neutral white		
Nominal voltage	220-240V / 120-277V / 347-480V 50-60hz		
Surge protection	10kV		

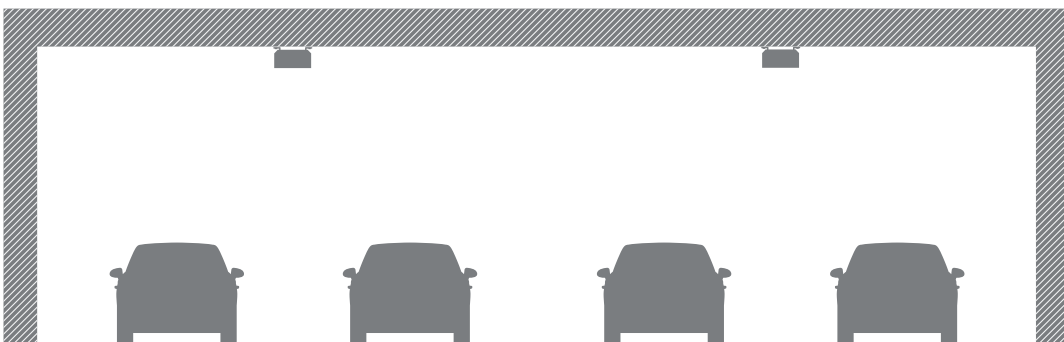
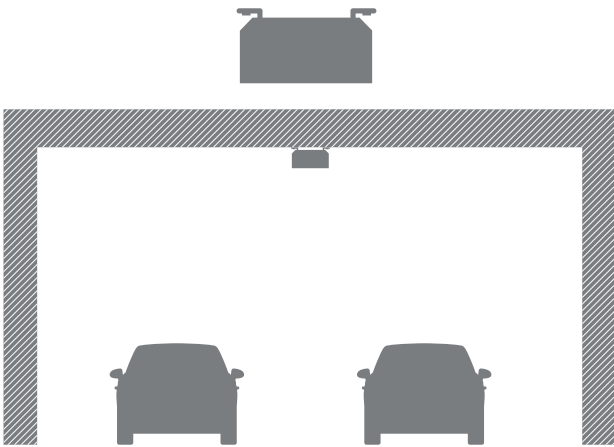
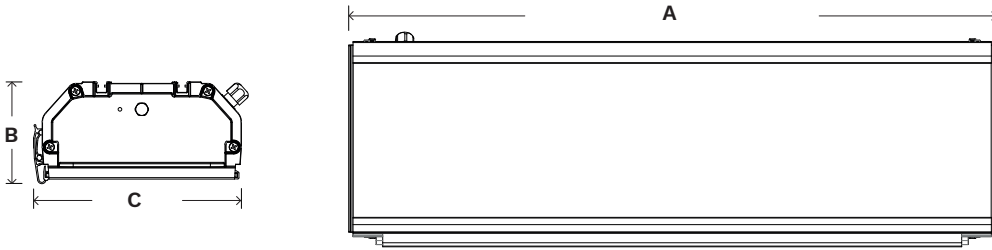
## Main applications

TUNNELS &  
UNDERPASSES

# FV32 LED

## Dimensions

	<b>FV32 LED 1</b>	<b>FV32 LED 2</b>	<b>FV32 LED 3</b>
A	560mm   22"	888mm   35"	1,265mm   49.8"
B	135mm   5.3"	135mm   5.3"	135mm   5.3"
C	272mm   10.7"	272mm   10.7"	272mm   10.7"
	10kg   22lbs	17kg   37.5lbs	23kg   50.7lbs





# AREA












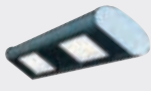




*sabes piensas **haces***



# Area portfolio - characteristics

		RECOMMENDED INSTALLATION HEIGHT	TYPICAL LUMINAIRE OUTPUT FLUX (RANGE)	COLOUR TEMPERATURE	TIGHTNESS LEVEL	IMPACT RESISTANCE	NOMINAL VOLTAGE	ELECTRICAL CLASS	MATERIAL - BODY	MATERIAL - PROTECTOR	COLOUR
	<b>INDU BAY GEN3</b>	4 to 12m 13' to 40'	14,600 to 31,600lm	Cool, neutral or warm white	IP 66 (*)	Glass IK 08 PC IK 10 (**)	220-240V 50-60Hz	EU I (*)	Die-cast aluminium	PC or glass	RAL 7040 window grey
140											
	<b>INDU LINE GEN2</b>	4 to 6m 13' to 20'	2,100 to 7,200lm	Cool, neutral or warm white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I (*)	PC	PC	RAL 7035 light grey
144											
	<b>OMNI LAST GEN2</b>	8 to 50m 26' to 165'	11,900 to 189,500lm	Cool, neutral or warm white RGB-CW Tunable white	IP 66 (*)	Glass IK 09 PC IK 10 (**)	230-400V 120-277V 347-480V 50-60Hz	EU I or US 1 (*)	High- pressure die-cast aluminium	Glass or PC	RAL 7040 window grey (***)
148											
	<b>OMNI FLOOD</b>	4 to 12m 13' to 40'	3,600 to 25,100lm	Warm or neutral white	IP 66 (*)	IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	High- pressure die-cast aluminium	Glass	AKZO grey 900 sanded (***)
152											
	<b>OMNI STAR</b>	8 to 45m 26' to 150'	6,900 to 191,700lm	Warm, neutral or cool white	IP 66 (*)	IK 08 (**)	120-277V 347-480V 50-60Hz	EU I or II US 1 (*)	High- pressure die-cast aluminium	Glass	AKZO grey 900 sanded (***)
156											
	<b>MY1 LED</b>	3 to 8m 10' to 26'	1,500 to 11,100lm	Warm or neutral white	IP 67 (*)	IK 10 (**)	120-277V 347-480V 50-60Hz	EU I or II US 1 (*)	Extruded aluminium + PC	UV- stabilised PC	-
160											
	<b>ASTRAL SLIM</b>	3 to 8m 10' to 26'	1,200 to 3,300lm	Neutral white	IP 66 IP 20 IP 44 (*)	IK 08 (**)	220-240V 50-60Hz	EU I (*)	Anodised aluminium	PC	-
164											
	<b>ASTRAL LED</b>	3 to 8m 10' to 26'	2,600 to 7,300lm	Neutral white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I (*)	Anodised aluminium	Tempered glass	-
168											

(\*) According to IEC - EN 60598 | (\*\*) According to IEC - EN 62262 | (\*\*\*) Any other RAL or AKZO colour upon request

# INDU BAY GEN3

Setting the benchmark in  
high-bay lighting





IP 66

Glass  
IK 08

PC  
IK 10

1-10V  
or  
DALI



**With the 3<sup>rd</sup> generation INDU BAY, Schröder offers the leading luminaire for lighting industrial facilities with a minimised total cost of ownership.**

More efficient, light, versatile and smart, it delivers the best solution on the market today for high-bay applications. It outperforms all other fixtures thanks to its superior ability to save energy and deliver performance over time.

Available with four different typical lumen packages, various light distributions and mounting options, INDU BAY GEN3 adapts the lighting to meet the specific needs of your environment.

It not only lowers your investment. It maximises it by providing a comfortable environment for your staff while limiting consumption to what is absolutely necessary.

Thanks to its reliable performance, low dust accumulation and no need for relamping, INDU BAY GEN3 minimises maintenance costs.

### Key advantages

- One-to-one replacement for HID floodlights from 40W to 400W
- Light-on-demand feature with optional motion sensor
- Visual comfort (UGR <22 and CRI 80+)
- No hazardous materials
- Fast ROI due to long life-time and reduced maintenance
- Compact housing optimised for heat dissipation and reduced dust accumulation
- Dedicated range of mounting accessories
- Compatible with Schröder's indoor and outdoor control system via DALI and 1-10V

### Characteristics

INDU BAY GEN3	1	2	3	4
Recommended installation height	4 to 12m / 13' to 40'			
Typical luminaire output flux (range)	14,600 to 16,500lm	18,100 to 20,800lm	24,400 to 27,900lm	27,600 to 31,600lm
Power consumption	115W	140W	185W	210W
Colour temperature	Warm, neutral or cool white			
Nominal voltage	220-240V / 50-60hz			
Surge protection	2 to 6kV			

### Main applications



INDUSTRIAL HALLS & WAREHOUSES



LARGE AREAS




SPORT AREAS

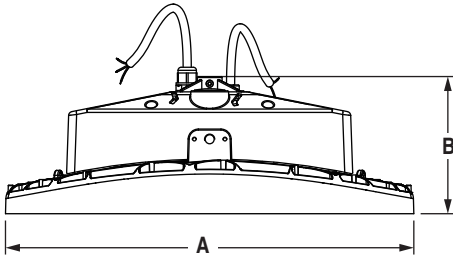


CAR PARKS

# INDU BAY GEN3

## Dimensions | Mounting

	INDU BAY GEN3 1	INDU BAY GEN3 2	INDU BAY GEN3 3	INDU BAY GEN3 4
A	330mm   13"	330mm   13"	400mm   15.7"	400mm   15.7"
B	122mm   4.8"	122mm   4.8"	135mm   5.3"	135mm   5.3"
 KG	4.5kg   9.9lbs	4.5kg   9.9lbs	6.8kg   15lbs	6.8kg   15lbs



### U bracket



### Suspension chain





# INDU LINE GEN2

Efficiency made affordable







IP 66

IK 08

1-10V  
or  
DALI

### INDU LINE GEN2 offers a robust and efficient LED alternative for replacing fixtures fitted with T5/T8 fluorescent tubes.

Designed to provide a long-term solution for harsh industrial environments, the INDU LINE GEN2 has a strong mechanical design that makes it highly resistant to shock and vibration while its IP rating makes it ideal for dusty and wet locations.

This high-performing luminaire provides an energy efficient lighting solution. With a lifetime 5 times longer than a fluorescent tube, this modern linear LED luminaire lowers the total cost of ownership of a lighting installation and eliminates the need for maintenance.

Available in 3 sizes and with 6 lumen packages, it can be wall or surface-mounted with a daisy chain for semi-continuous lighting.

The INDU LINE GEN2 creates safe and comfortable working conditions thanks to its low glare and high colour rendering index to optimise productivity.

## Key advantages

- LED alternative for fixtures equipped with fluorescent T5/T8 lamps
- Cuts energy costs by up to 50%
- Easy installation and maintenance free
- High colour rendering index: CRI 80
- High luminaire efficacy (up to 138lm/W for 4000K)
- Uniform luminance with no glare
- LEDs available in different colour temperatures: 3000/4000/5000K
- Long service life: over 50,000 hours

## Characteristics

INDU LINE GEN2	1	2	3
Recommended Installation height	4 to 6m / 13' to 20'		
Typical luminaire output flux (range)	2,100 to 2,700lm	4,100 to 5,700lm	5,400 to 7,200lm
Power consumption	20W	40W	55W
Colour temperature	Warm, neutral or cool white		
Nominal voltage	220-240V / 50-60Hz		
Surge protection	1kV		

## Main applications


INDUSTRIAL  
HALLS &  
WAREHOUSESSPORT  
AREAS

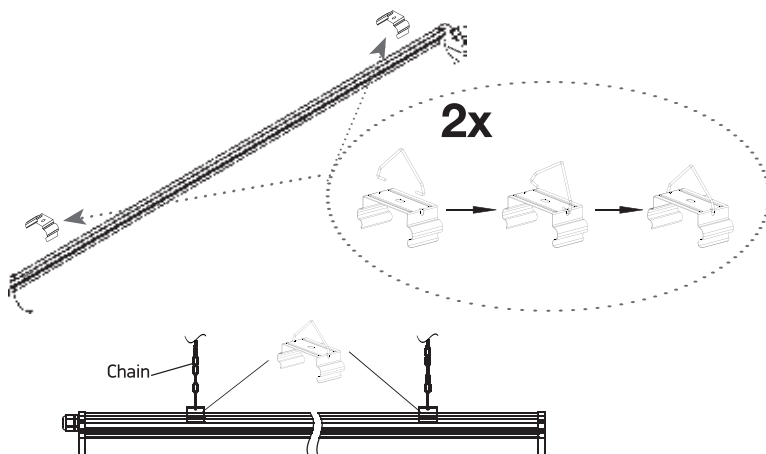
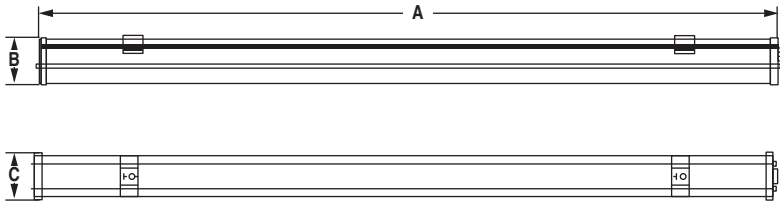
CAR PARKS

TUNNELS &  
UNDERPASSES

# INDU LINE GEN2

## Dimensions | Mounting

	INDU LINE GEN2 1	INDU LINE GEN2 2	INDU LINE GEN2 3
A	600mm   23.6"	1200mm   47.2"	1500mm   59"
B	74mm   3"	74mm   3"	74mm   3"
C	60mm   2.5"	60mm   2.5"	60mm   2.5"
 KG	0.9kg   2lbs	1.3kg   3lbs	1.5kg   3.4lbs



Metal clips on the back of the body for surface/wall mounting.  
 Pendant with an additional triangle accessory provided as standard.



# OMNIBlast GEN2

Unrivalled combination of performance and flexibility





IP66

Glass  
IK 09

PC  
IK 10

1-10V  
or  
DALI  
or  
DMX



**OMNIBlast GEN2 is the ideal tool for sports venues and other large area applications that require a lighting solution with the highest efficiency and flexibility to adapt to the different lighting needs.**

This LED solution offers an alternative with proven benefits for traditional fixtures fitted with 800W, 1000W, 1500W and 2000W lamps. OMNIBlast GEN2 ensures the high horizontal and vertical lighting levels to meet the strict requirements of sports federations and TV broadcasting.

A modular concept of optical units means that 1, 2 or 3 modules can be mounted on the same bracket to offer the utmost versatility, providing light distributions and lumen packages perfectly adapted to the specifications of the area to be lit.

To enhance the on-site experience and television images, the OMNIBlast GEN2 guarantees perfect glare control, a high colour rendering index (CRI) and television lighting consistency index (TLCI) as well as flicker-free lighting.

The OMNIBlast GEN2 is available with warm, neutral or cool white LEDs as well as with RGB LEDs for theatrical effects.

Key advantages

- Cost-effective and efficient solution to maximise energy and maintenance savings
- Compliant with international sport federation regulations
- Flexibility: modular approach for high-power applications (one to one replacement for up to 2000W)
- Compliant with UHD/HD/4K broadcast and super slow motion replays (flicker-free)
- High Colour Rendering Index (70, 80 or 90) and Television Colour Consistency (TLCI >85+)
- Instant on/off and entertainment mode (optional to create dramatic/theatrical effects)
- Sport optics based on BlastFlex™ technology offering a wide range of beams: very narrow to asymmetric beams

Characteristics

OMNIBlast GEN2	1	2	3
Recommended Installation height	8 to 50m / 26' to 165'		
Typical luminaire output flux (range)	11,900 to 63,100lm	23,800 to 126,300lm	51,800 to 189,500lm
Power consumption	244 to 619W	488 to 1,237W	1,856W
Colour temperature	Warm, neutral, cool or tunable white / RGBW		
Nominal voltage	230-400V / 120-277V / 347-480V / 50-60Hz		
Surge protection	10/20kV		

Main applications



SPORT AREAS



ACCENT & ARCHITECTURAL



BRIDGES



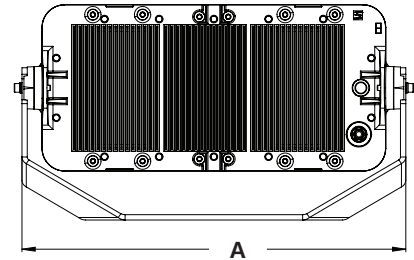
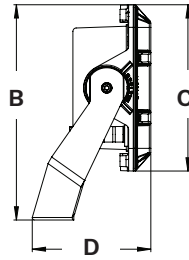
LARGE AREAS

# OMNIBlast

## Dimensions | Mounting

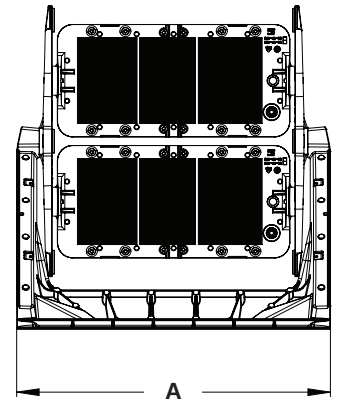
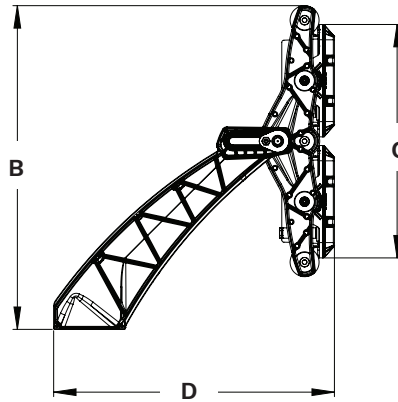
### OMNIBlast GEN2 1

A	595mm   24.4"
B	330mm   13"
C	251mm   9.9"
D	188mm   7.4"
	10kg   22lbs (PC) 12kg   26.5lbs (Glass)



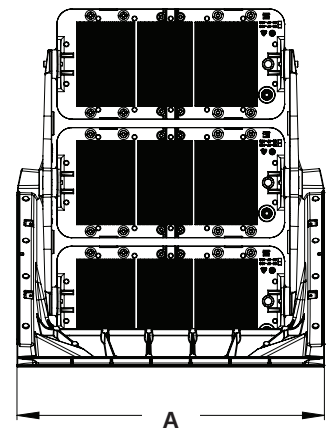
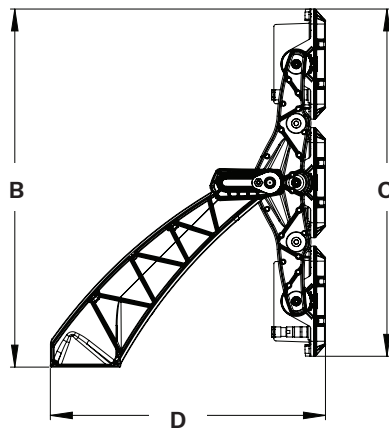
### OMNIBlast GEN2 2

A	700mm   27.6"
B	723mm   28.5"
C	521mm   20.5"
D	630mm   24.8"
	24kg   52.9lbs (PC) 28kg   61.7lbs (Glass)



### OMNIBlast GEN2 3

A	700mm   27.6"
B	816mm   32.1"
C	791mm   31.1"
D	630mm   24.8"
	30kg   66.1lbs (PC) 35kg   77.1lbs (Glass)





# OMNIflood

Versatility to light all types  
of public and professional environments







IP66

IK 10



**The OMNiflood is the ideal tool to replace floodlights equipped with traditional discharge lamps of 50 to 400W.**

The aesthetic design of the OMNiflood, in combination with a wide range of sizes, optical and mounting options, make it very versatile and thus the perfect choice for lighting recreational sports areas, industrial areas, campuses, business parks, car parks, building facades and billboards.

The OMNiflood range combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 and BlastFlex™ concepts developed by Schröder. These floodlights are composed of a two-piece housing made of painted die-cast aluminium. The protector in glass is sealed onto the front cover. Mounting by means of a fork enables the inclination to be adjusted precisely on-site.

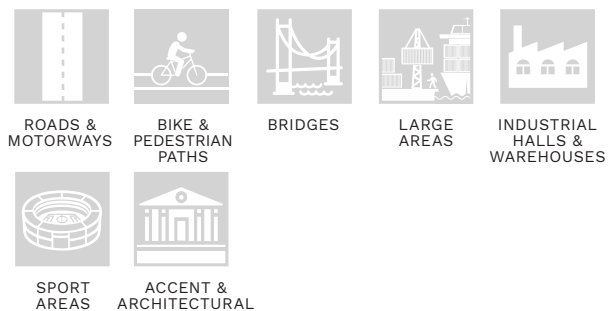
### Key advantages

- One-to-one replacement for 50 to 400W HID floodlights
- One design for aesthetic consistency in multi-purpose applications
- High energy savings compared to systems with traditional discharge lamps
- Dimmable for even more energy savings
- Compatible with Schröder's indoor, outdoor and tunnel remote management systems
- Precise light control with LensoFlex®2 and BlastFlex™ photometric engines
- FutureProof: easy replacement of the photometric engine and electronic assembly on-site

### Characteristics


OMNiflood	1	3
Recommended installation height	4 to 12m / 13' to 40'	
Typical luminaire output flux (range)	3,600 to 5,300lm	13,200 to 25,100lm
Power consumption	54W	157 to 224W
Colour temperature	Warm or neutral white	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

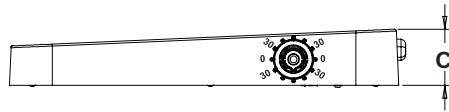
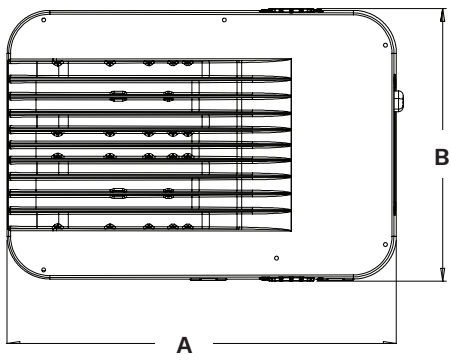
### Main applications



# OMNiflood

## Dimensions | Mounting

	OMNiflood 1	OMNiflood 3
A	500mm   19.7"	546mm   21.5"
B	311mm   12.2"	475mm   18.7"
C	72mm   2.8"	88mm   3.5"
 KG	9kg   19.8lbs	18.4kg   40.6lbs





# OMNIstar

Designed to bring massive savings and benefits to area lighting





IP 66

IK08

1-10V  
or  
DALI



**OMNIstar provides a beneficial replacement for a full range of HID lighting fixtures in a variety of indoor and outdoor applications such as docks, industrial buildings, warehouses, large car parks, airports...**

This new generation of luminaire has been designed to provide an unrivalled combination of performance and flexibility for lighting areas where high lumen packages are needed with the added advantages of an LED solution: low energy consumption, improved visibility with white light, limited maintenance and longer life.

Equipped with the latest cutting-edge technology for high performance, a long lifespan and an effective thermal management, the OMNIstar reduces energy and maintenance costs. The OMNIstar can be installed in various configurations (suspended, surface-mounted or post-top) with one to three optical units. The OMNIstar can operate with the Owllet range of control solutions (daylight sensors, dimming, remote management, etc.) and a building management system with the DALI protocol to further maximise energy savings by adapting the lighting levels according to the real needs of the place to be lit.

Key advantages

- Real alternative to HID luminaires for high-power applications
- Cost-effective and efficient to maximise energy and maintenance savings
- Flexibility: modular approach with wide range of lighting distributions
- Explosion proof version
- High performance with safety and comfort
- Available with remote gear boxes or in a kit including an optical unit and a gear box
- On-site photometric adjustment
- Wide choice of fixations

Characteristics

OMNIstar	MONO	DUO	TRIO
Recommended Installation height	8 to 45m / 26' to 150'		
Typical luminaire output flux (range)	6,900 to 63,900lm	13,800 to 127,800lm	20,700 to 191,700lm
Power consumption	78 to 547W	156 to 1,094W	234 to 1,641W
Colour temperature	Warm, neutral or cool white		
Nominal voltage	220-240V / 120-277V / 347-480V 50-60Hz		
Surge protection	10/20Kv		

Main applications



ROADS & MOTORWAYS



BRIDGES



LARGE AREAS



INDUSTRIAL HALLS & WAREHOUSES




SPORT AREAS

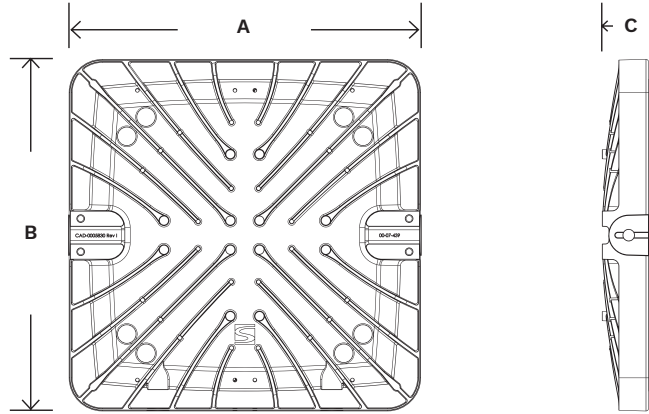


ACCENT & ARCHITECTURAL

# OMNIstar

## Dimensions | Mounting

A	532mm   21"
B	530mm   20.9"
C	80mm   3.1"
 KG	14kg   30.9lbs

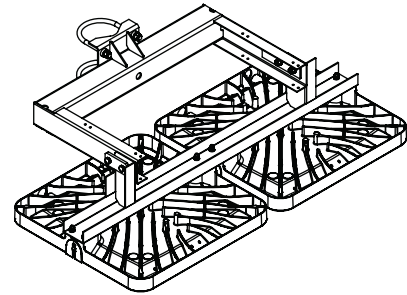
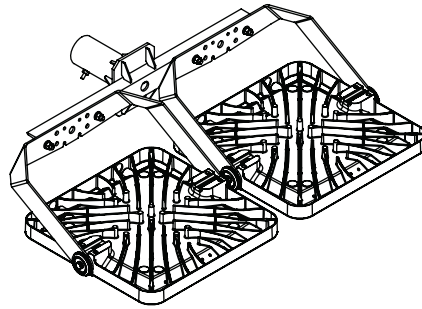
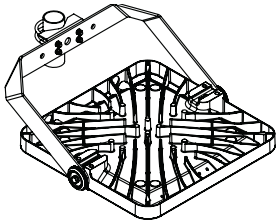


### Mono

### Duo

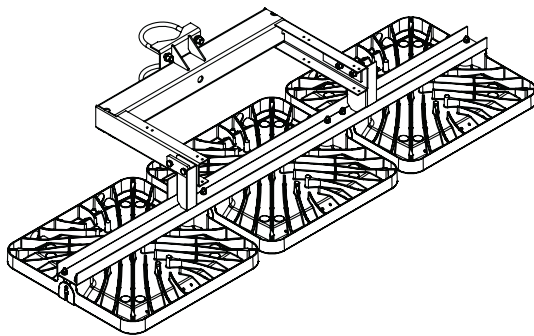
2 optics, tiltable one by one

2 optics, tiltable together



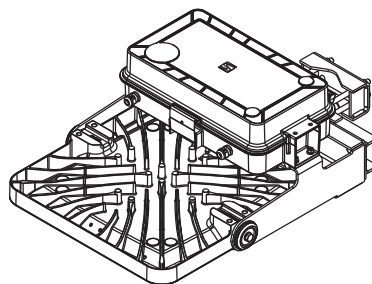
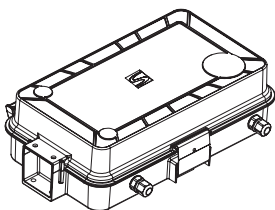
### Trio

3 optics, tiltable together



**IP 66 gear box**  
(for 1 or 2 optical units)

**OMNIstar kit**  
1 optical unit and 1 gear box





# MY1 LED

Flexible and beneficial LED  
alternative to fluorescent tubes







IP 67

IK 10

1-10V  
OR  
DALI



**The MY1 range of luminaires offers a solution for applications requiring robust materials and easy maintenance.**

The MY1 LED is composed of aluminium and polycarbonate and has a high IK 10 impact resistance. It is designed to provide long lasting performance and withstand the heat, cold and humidity in harsh environments such as tunnels, industrial halls and underground platforms.

The MY1 LED is available in 6 different sizes to offer maximum flexibility. Thanks to the long-life of the LEDs and the extra-high IP 67 tightness level, the MY1 LED delivers a high performance in the long term with no need for any internal cleaning. As an option, MY1 LED can integrate a back-up battery (for up to 3 hours).

Key advantages

- Robust (IK 10) luminaire to replace fixtures with T5/T8 fluorescent tubes
- 6 different sizes
- Extra-high tightness level IP 67
- Tool free access for easy maintenance
- Full scope of photometries (narrow to wide symmetrical as well as asymmetrical)
- Range of mounting options
- Optional: retrofit kit for existing MY luminaires
- Surge protection: 4kV, 10KV or 20kV

Characteristics

MY1 LED	1	2	3	4	5	6
Recommended Installation height	3 to 8m / 10' to 26'					
Typical luminaire output flux (range)	1,500 to 2,000lm	2,800 to 3,700lm	4,100 to 5,600lm	6,000 to 8,100lm	6,900 to 9,500lm	8,100 to 11,100lm
Power consumption	23W	36W	51W	72W	79W	89W
Colour temperature	Warm or neutral white					
Nominal voltage	120-277V / 347-480V 50-60Hz					
Surge protection	4/10/20kV					

Main applications



INDUSTRIAL HALLS & WAREHOUSES




CAR PARKS

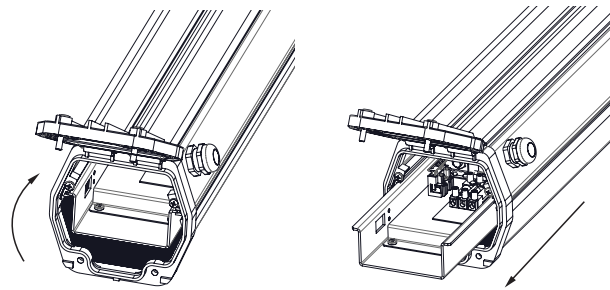
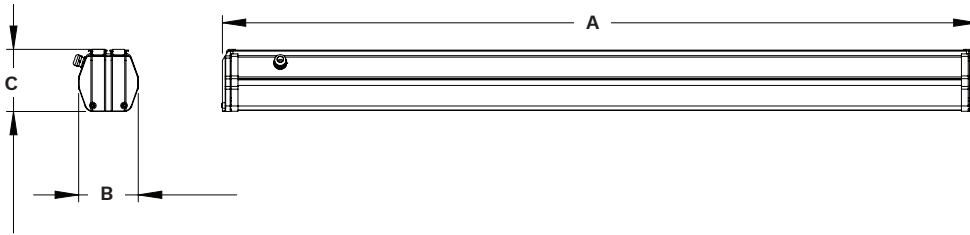


TUNNELS & UNDERPASSES

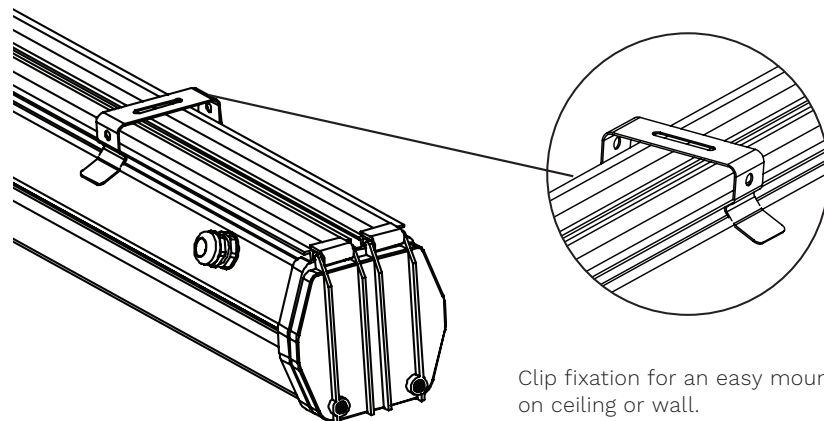
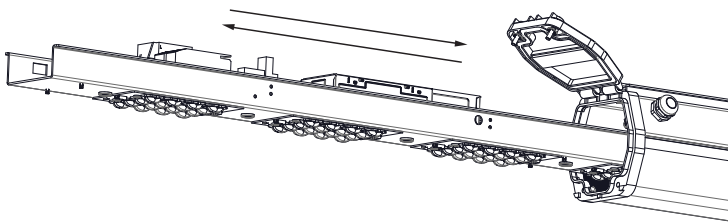
# MY1 LED

## Dimensions | Mounting

	MY1 LED 1	MY1 LED 2	MY1 LED 3	MY1 LED 4	MY1 LED 5	MY1 LED 6
A	295mm   11.6"	462mm   18.2"	672mm   26.4"	881mm   34.7"	1,281mm   50.4"	1,581mm   62.2"
B	126mm   5"					
C	131mm   5.1"					
 KG	1.4kg   3lbs	2.1kg   4.6lbs	3.2kg   7lbs	3.9kg   8.6lbs	5.1kg   11.2lbs	6kg   13.2lbs



If necessary, access can be easily gained to a sliding plate which houses the LEDs and the control gear by simply undoing the two captive screws of the side access door.



Clip fixation for an easy mounting on ceiling or wall.



# Astral Slim

Creating safety and ambiance in enclosed areas





OPTICAL  
COMPARTMENT  
IP 66

CONTROL GEAR  
IP 20 /  
IP 44

IK 08

DALI



**Designed to provide operational benefits to site managers, Astral Slim is characterised by its high efficiency, photometric performance, minimal maintenance requirements and easy installation.**

Combining design, efficiency and modularity, Astral Slim is a great alternative to fluorescent tubes for continuous or discontinuous lighting in enclosed areas such as train or metro stations, airports, shopping centres or any other indoor applications where the safety and well-being of the users are critical. Thanks to its sleek and elegant housing, Astral Slim contributes to the creation of a visually appealing environment with uniform, low-glare lighting that gives a real sense of safety and offers superior visual comfort.

Available with symmetrical or asymmetrical lighting distributions, Astral Slim is based on a photometrical engine specifically developed by Schröder.

## Key advantages

- Compact and aesthetic design
- Beneficial LED alternative to T5/T8 fluorescent tubes
- Excellent uniformity and significant energy savings
- Superior visual comfort (low glare)
- Flexible photometry (symmetrical/asymmetrical distributions)
- Tool free installation and plug-and-play connections
- Modular design with custom housing offers a number of optical units and control options (master and stand-by configurations)
- Integrated cable tray
- Fire resistant materials

## Characteristics

Astral Slim	
Recommended installation height	3 to 8m / 10' to 26'
Typical luminaire output flux (range)	1,200 to 3,300lm
Power consumption	15W to 39W
Colour temperature	Neutral white
Nominal voltage	220-240V / 50-60Hz

## Main applications



RAILWAY  
STATIONS &  
METROS



CAR PARKS



INDUSTRIAL  
HALLS &  
WAREHOUSES




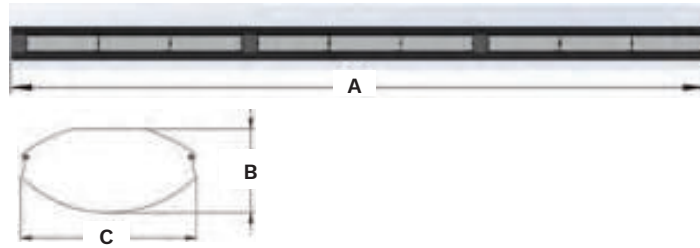
SPORT  
AREAS

# Astral Slim


## Dimensions | Mounting

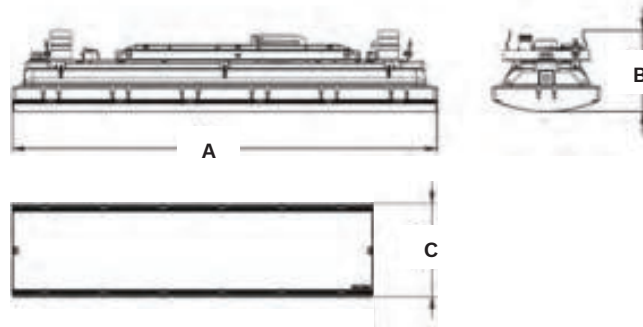
### 6m housing

A	6,000mm   236"
B	133mm   5.2"
C	278mm   11"
 KG	43kg   94.8lbs




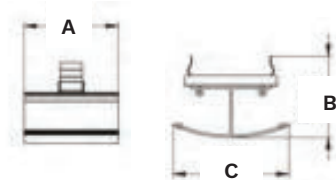
### Optic

A	622mm   24.5"
B	111mm   4.4"
C	160mm   6.3"
 KG	3.2kg   7lbs



### Spacer

A	134mm   5.3"
B	111mm   4.4"
C	158mm   6.2"
 KG	0.2kg   0.4lbs





# Astral LED

Highly efficient modular LED lighting for closed areas







IP 66

IK 08

DALI



**The Astral LED offers up-to-date LED technology in a proven design. It provides huge energy savings while integrating extra features such as speakers, in an attractive modern shape.**

The Astral LED is a modular LED lighting solution for metro or railway stations, underpasses, underground car parks and other closed areas where a high tightness level is needed.

The luminaire is composed of an extruded aluminium profile with a tempered glass protector to ensure high impact resistance (IK 08). The luminaire module is hooked onto the housing. Optimal photometry is guaranteed by high-performing symmetrical or asymmetrical reflectors and modules with high-power LEDs (1 to 3 modules). The Astral LED provides significant energy savings and outstanding results in luminance and uniformity for replacing the traditional Astral luminaires equipped with fluorescent lamps.

The anodised profile of the Astral LED extends functionality to beyond lighting as it is able to host surveillance cameras, loudspeakers, emergency signage and other features. It also has an integrated cable tray to gather and hide the power supplies and the control cables, so generating savings in installation costs.

The Astral LED can be recessed in the ceiling, suspended or integrated in a surface mounted housing.

## Key advantages

- Excellent uniformity and significant energy savings
- Excellent visual comfort (no glare)
- Flexible photometry (symmetrical/asymmetrical distributions)
- Various mounting possibilities (standard, elliptical, corner mounted)
- Integrated cable tray
- Sealed optical compartment (IP 66)
- Fire-resistant materials
- Easy installation
- Tool free maintenance

## Characteristics

Astral LED	
Recommended installation height	3 to 8m / 10' to 26'
Typical luminaire output flux (range)	2,600 to 7,300lm
Power consumption	27W to 80W
Colour temperature	Neutral white
Nominal voltage	220-240V 50-60Hz

## Main applications

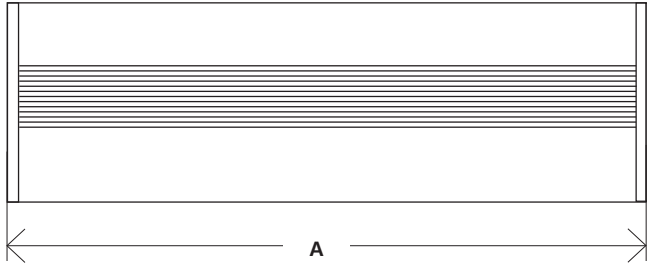


RAILWAY  
STATIONS &  
METROS

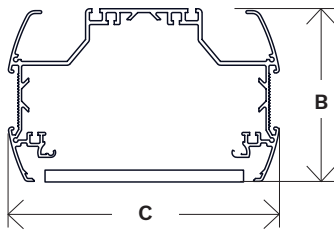
# ASTRAL LED

## Dimensions | Mounting

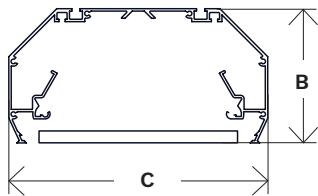
	Standard	Compact	Oval
A	Custom length up to 6m   19.7'		
B	180mm   7"	140mm   5.5"	150mm   5.9"
C	280mm   11"	270mm   10.6"	350mm   13.8"



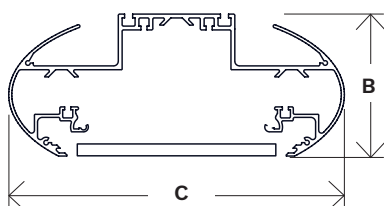
### Standard



### Compact



### Oval









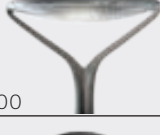






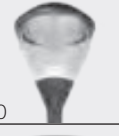




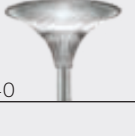



# DECORATIVE





# Decorative portfolio - characteristics

		RECOMMENDED INSTALLATION HEIGHT	TYPICAL LUMINAIRE OUTPUT FLUX (RANGE)	COLOUR TEMPERATURE	TIGHTNESS	IMPACT RESISTANCE	NOMINAL VOLTAGE	ELECTRICAL CLASS	BODY - MATERIAL	PROTECTOR - MATERIAL	COLOUR
176			600 to 7,500lm	Warm or neutral white	IP 65 (*)	IK 07 to IK 10 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	Thermo-lacquered galvanised steel Die-cast aluminium	Glass PC PMMA	AKZO grey 900 sanded (***)
180		4 to 6m 13' to 20'	800 to 5,600lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	Painted galvanised steel	Glass	RAL grey 7040 (***)
184		0.25 to 3m 0.8' to 10'	300 to 2,300lm	Warm or neutral white + blue LEDs	IP 67 (*)	IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	Painted extruded aluminium	Acrylic	Grey Soprano5 painted aluminium
188		4 to 6m 13' to 20'	5,700 to 6,600lm	Warm or neutral white	IP 66 IP 44 (*)	IK 09 (**)	220-240V 50-60Hz	EU I or II (*)	Die-cast aluminium	PC	AKZO grey 900 sanded (***)
192		3.5 to 5m 11' to 16'	1,300 to 4,200lm	Warm or neutral white	IP 66 (*)	IK 07 (**)	220-240V 50-60Hz	EU II (*)	High-pressure die-cast aluminium	PMMA	RAL 9006T white aluminium (***)
198		3 to 6m 10' to 20'	600 to 4,500lm	Warm or neutral white	IP 66 (*)	IK 10 (**)	220-240V 50-60Hz	EU II (*)	High-pressure die-cast aluminium	PC	DB 703 dark (***)
200		4 to 8m 13' to 26'	1,400 to 8,400lm	Warm or neutral white	IP 66 (*)	IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	PC	AKZO grey 900 sanded (***)
204		3.5 to 5m 11' to 16'	1,500 to 5,200lm	Warm or neutral white	IP 66 (*)	PC IK 10 PMMA IK 06 (**)	220-240V 50-60Hz	EU I or II (*)	High-pressure die-cast aluminium	PC or PMMA	AKZO grey 900 sanded (***)
208		3.5 to 5m 11' to 16'	800 to 5,700lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	PC High-pressure die-cast aluminium	PC	AKZO grey 900 sanded (***)
212		3.5 to 5m 11' to 16'	1,200 to 5,300lm	Warm, neutral or cool white	IP 66 (*)	IK 10 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High-pressure die-cast aluminium	PC	AKZO grey 900 sanded (***)

		RECOMMENDED INSTALLATION HEIGHT	TYPICAL LUMINAIRE OUTPUT FLUX (RANGE)	COLOUR TEMPERATURE	TIGHTNESS LEVEL	IMPACT RESISTANCE	NOMINAL VOLTAGE	ELECTRICAL CLASS	BODY - MATERIAL	PROTECTOR - MATERIAL	COLOUR
216	 ISLA LED	3.5 to 6m 11' to 20'	1,400 to 4,900lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I or II (*)	High- pressure die-cast aluminium  Spun aluminium	Glass	AKZO grey 900 sanded (***)
220	 KIO LED	3.5 to 5m 11' to 16'	700 to 7,800lm	Warm or neutral white	IP 66 (*)	IK 09 (**)	220-240V 50-60Hz	EU I or II (*)	High- pressure die-cast aluminium	PC	AKZO black 200 sanded (***)
224	 FRIZA	3.5 to 5m 11' to 16'	800 to 5,700lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 50-60Hz	EU I (*)	High- pressure die-cast aluminium	PC	AKZO grey 900 sanded (***)
228	 INOA LED	3.5 to 5m 11' to 16'	1,200 to 8,900lm	Warm or neutral white	IP 66 (*)	PC/glass IK 08 PMMA IK 05 (**)	220-240V 50-60Hz	EU I or II (*)	High- pressure die-cast aluminium	Glass PC PMMA	AKZO black 200 sanded (***)
232	 STYLAGE	3.5 to 5m 11' to 16'	1,000 to 8,300lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High- pressure die-cast aluminium	Flat glass PC	AKZO grey 900 sanded (***)
238	 VALENTINO LED	3.5 to 5m 11' to 16'	1,300 to 8,300lm	Warm or neutral white	IP 66 (*)	IK 08 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High- pressure die-cast aluminium	Glass PC	AKZO grey 900 sanded (***)
240	 ZELA	3 to 6m 10' to 20'	400 to 3,700lm	Warm or neutral white	IP 66 (*)	IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	Plastamid High- pressure die-cast aluminium	PC	AKZO grey 900 sanded (***)
244	 KAZU	3 to 6m 10' to 20'	1,000 to 7,500lm	Warm or neutral white	IP 66 (*)	Shaped PC IK 10 Flat PC IK 09 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	High- pressure die-cast aluminium	PC	RAL 7038 (***)
248	 VOLDUE	3.5 to 5m 11' to 16'	1,900 to 3,900lm	Warm or neutral white	IP 66 (*)	IK 10 (**)	220-240V 50-60Hz	EU I or II (*)	High- pressure die-cast aluminium	PC	AKZO grey 900 sanded (***)
252	 CITRINE	0.3 to 1m 1' to 3'	400 to 1,100lm	Warm or neutral white	IP 66 (*)	IK 10 (**)	220-240V 120-277V 50-60Hz	EU I or II US 1 (*)	Aluminium	PC	AKZO grey 900 sanded (***)

(\*) According to IEC - EN 60598 | (\*\*) According to IEC - EN 62262 | (\*\*\*) Any other RAL or AKZO colour upon request

# ModuLum

Combining all lighting needs  
and more in a single column







IP 65

PMMA  
IK 07GLASS  
IK 08PC  
IK 10

Design: Volker von Kardorff

## The ModulLum range offers a multi-functional lighting system for the creativity of architects and city planners.

Reducing the quantity of poles and organising urban furniture in an optimal manner are key issues for preserving open spaces and making them as welcoming as possible.

The ModulLum column provides a comprehensive solution for a variety of applications throughout the city. Thanks to multiple lighting configurations, it can potentially meet every need in the urban space. The versatility of ModulLum, with its different modules as well as variable diameters and heights of up to 9.5 metres, guarantees a perfect match between the column and its architectural environment. The ModulLum is available in four sizes and can be equipped with one to 5 modules which swivel around 360° so as to better fit the desired function: lighting roads and squares, illuminating facades or accentuating objects. The ModulLum offers a broad palette of light distributions for each of its configurations.



## Key advantages

- Multiple configurations: 4 sizes with up to 5 modules per column
- Designed for multi-purpose lighting: from ambiance to architectural and street lighting
- Total versatility with 360° rotatable modules
- Adjustable on-site (spot module)
- Durable, recyclable and robust materials
- Easy installation and maintenance
- Designed to incorporate the Owlet range of control solutions

## Characteristics

ModulLum	
Typical luminaire output flux (range) (for 1 module)	600 to 7,500lm
Power consumption (for 1 module)	10W to 65W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	10kV

## Main applications

URBAN &  
RESIDENTIAL  
STREETSBIKE &  
PEDESTRIAN  
PATHSSQUARES &  
PEDESTRIAN  
AREAS

CAR PARKS



BRIDGES

RAILWAY  
STATIONS &  
METROS

# ModuLum



**Ambiance lighting**

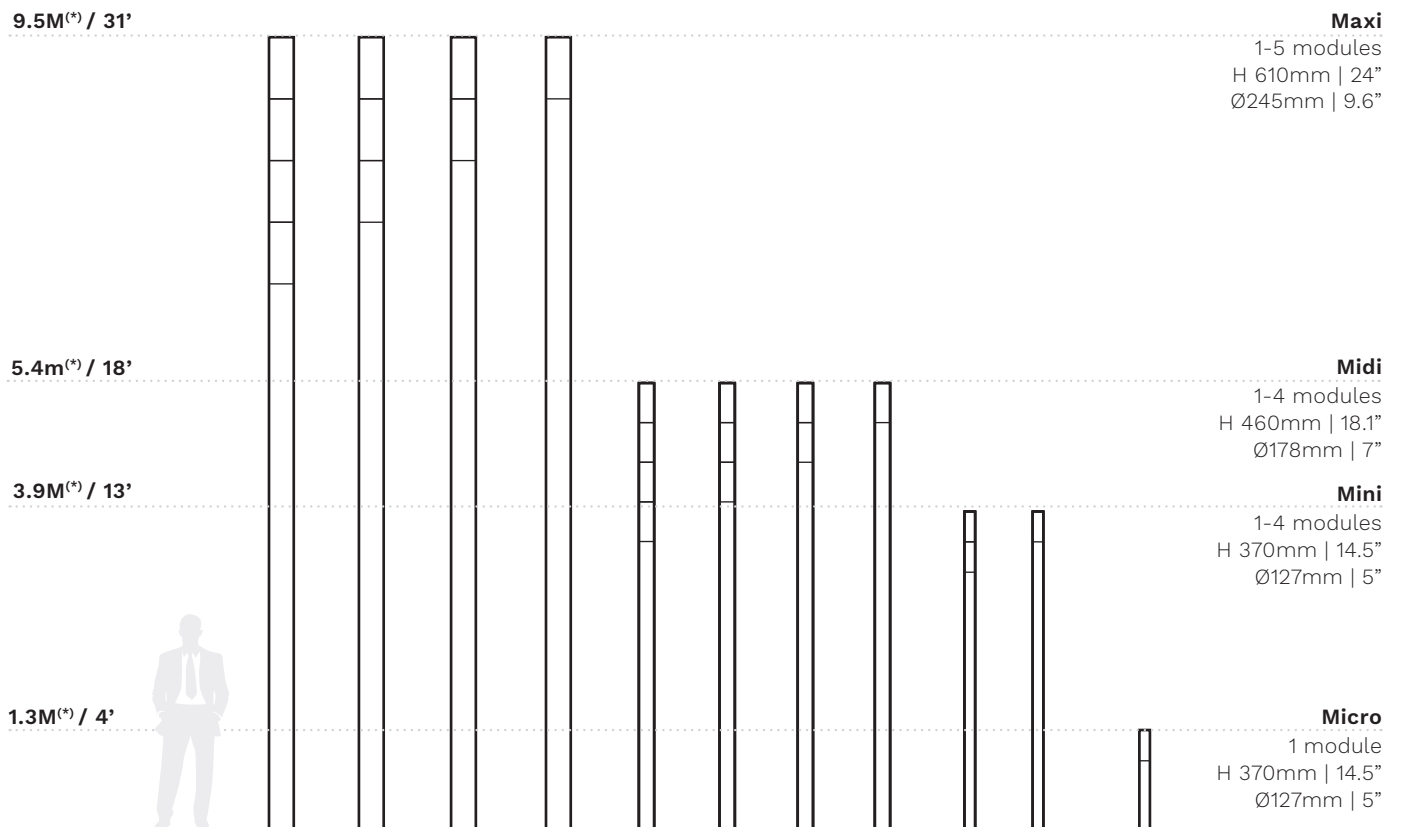


**Architectural lighting**



**Street lighting**

## Dimensions | Mounting



(\*) Other sizes available on request



# Rivara

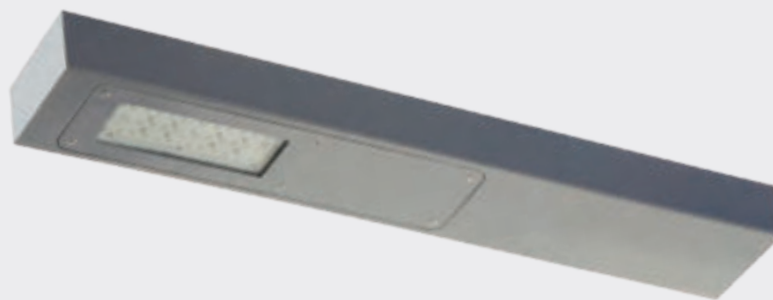
Distinct design with LED technology: the ideal combination for lighting various urban landscapes





IP 66

IK 08



Design ECLIPZ

**With its simple but very elegant linear design, the Rivara provides a complete range of luminaires with a side-entry and wall bracket as well as a bollard to light diverse landscapes.**

The flexibility of the second generation LensoFlex®2 photometric engine provides multiple lighting distributions to adapt to the diverse needs of contemporary lighting. The amount of LEDs is adapted to meet the photometrical requirements of the specified application.

The Rivara luminaire is available with a single or double bracket. A wall bracket is also available to maintain aesthetic consistency in areas where poles cannot be installed while a bollard can provide guidance lighting. This winning combination of performance, design and flexibility enables the Rivara range to light streets, residential areas, parks, bicycle and pedestrian paths with a better quality of light, to generate energy savings and to reduce the ecological footprint with a perfect aesthetic integration into the environment.

## Key advantages

- Designed for various types of urban landscapes
- LensoFlex®2 photometric engine with photometry adapted to various applications
- Maximised savings in energy and maintenance costs
- FutureProof: easy replacement of the photometric engine and electronic assembly on-site
- ThermiX®: maintained performance over time
- Robust materials
- Surge protection 10kV

## Characteristics

Rivara	
Recommended installation height	4 to 6m / 13' to 20'
Typical luminaire output flux (range)	800 to 5,600lm
Power consumption	9W to 55W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS




BRIDGES

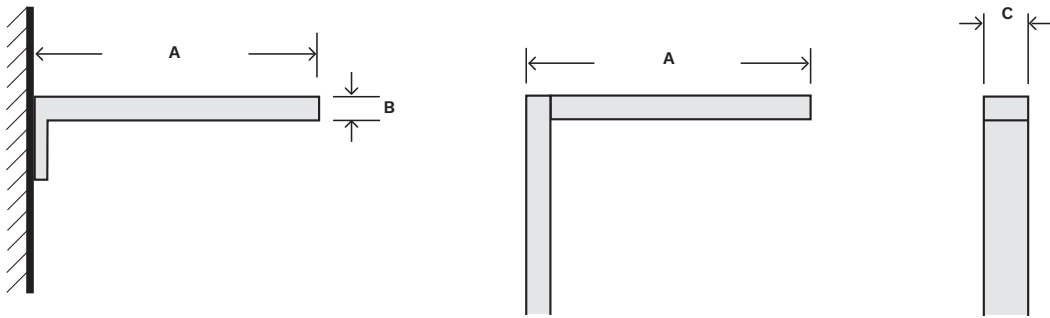


RAILWAY STATIONS &amp; METROS

# Rivara

## Dimensions | Luminaire

A	1200mm   47"
B	100mm   3.9"
C	180mm   7"
 KG	16.5kg   36.3lbs



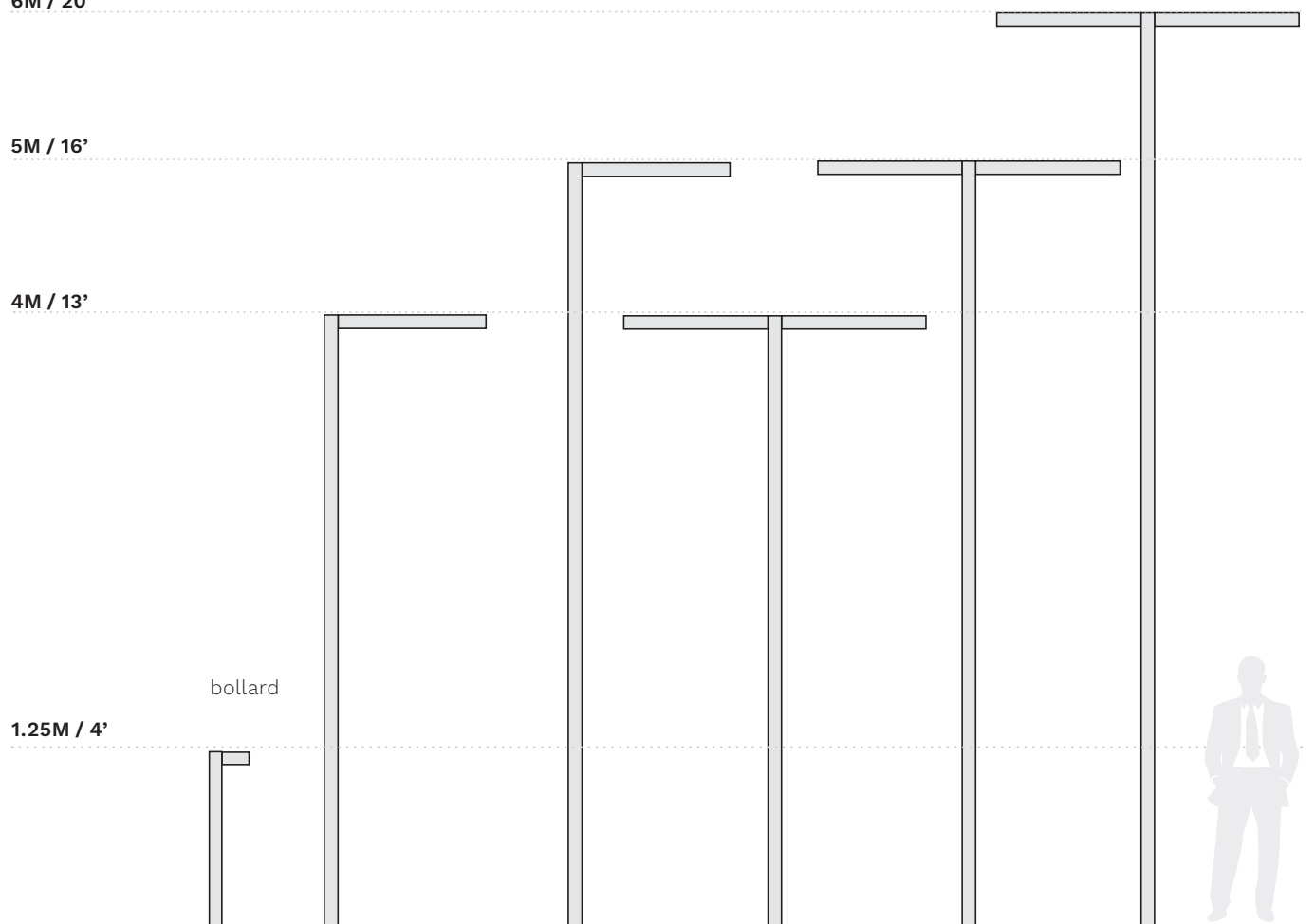
## Columns and brackets

6M / 20'

5M / 16'

4M / 13'

1.25M / 4'





# Bora

Design and safety in a single column







IP 67

IK 10

**The Bora family of bollards, available in 4 sizes and fitted with LEDs integrated in a perforated structure, constitutes a highly original mode of expression.**

By day, the design and pure form of the bollards make a distinctive statement. Once night has fallen, they combine aesthetics and functionality. The tallest model (3 metres) facilitates facial recognition, thereby creating a sense of safety. Visual comfort is created through a smart mix of white and blue sources distributed up and down the column.

Design: Michel Tortel



## Key advantages

- Symmetrical and asymmetrical light distributions
- Excellent facial recognition (3m model)
- Visual comfort
- Minimal power consumption
- Aesthetic design by day and night
- Range of 4 models to cater for all types of applications

## Characteristics

Bora	
Typical luminaire output flux	300 to 2,300lm
Power consumption	8W to 33W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



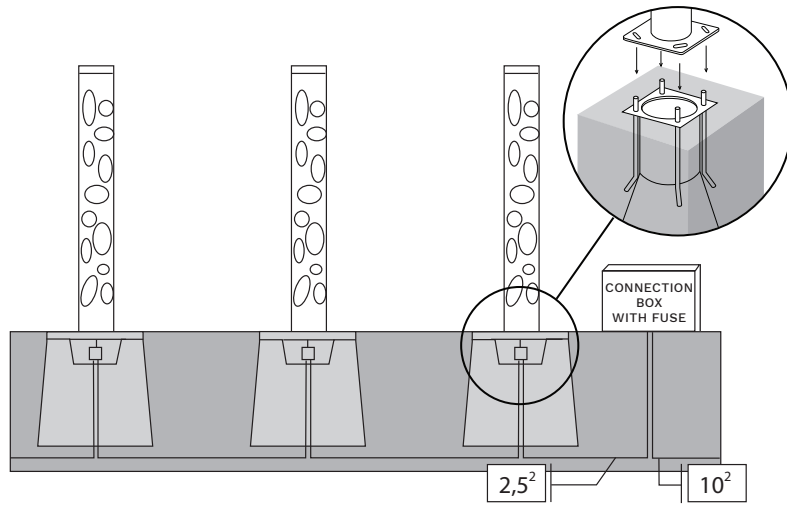
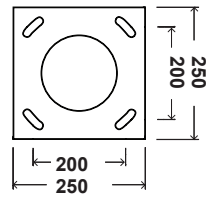
BRIDGES

# Bora

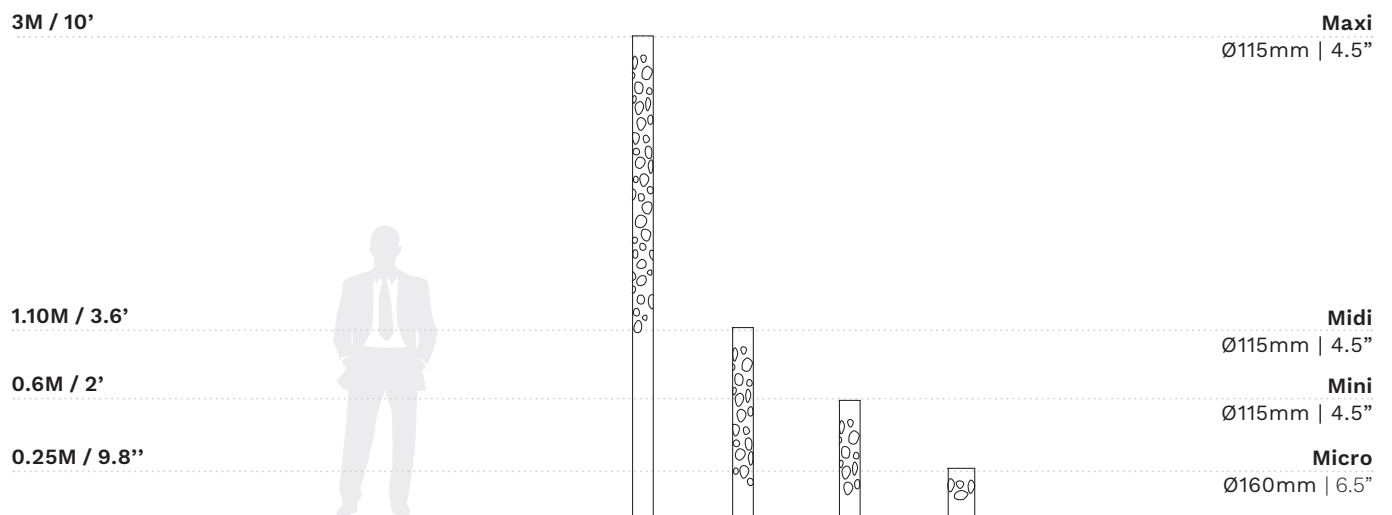
## Weight | Mounting



Maxi	25kg   55lbs
Midi	9.1kg   20lbs
Mini	5.4kg   11.9lbs
Micro	2.3kg   7.5lbs



## Dimensions





# Perla

A precious ring in the urban night





OPTICAL  
COMPARTMENT  
IP 66

CONTROL GEAR  
IP 44

IK 09



Design: Michel Tortel

## The Perla's sober and pure line plays an important aesthetic role both by day and night.

By day, the luminaire's curve allows the sky and the architectural environment to peek through. By night, the LEDs in a circular form give life to a ring of light that floats in the darkness of the city. The blue LEDs further accentuate this presence.

Depending on the chosen photometry, the Perla meets the necessary requirements for lighting streets, squares and parks. With a rear bracket, it can be installed, when necessary, to light a service road or a wide pavement. The wall bracket can be chosen to light narrow streets or any space where the presence of lighting columns is not permitted. The control gear is located in the support (lighting column or wall bracket).

## Key advantages

- Unique aesthetic design
- Creation of ambiance
- Asymmetrical and symmetrical light distributions
- Low height solution
- Low energy consumption
- Long term performance
- Blue LEDs or DMX-controlled RGB embellishment crown (options)
- Rear and wall brackets available

## Characteristics

Perla	
Recommended installation height	4 to 6m / 13' to 20'
Typical luminaire Output flux (range)	5,700 to 6,600lm
Power consumption	73W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



URBAN &  
RESIDENTIAL  
STREETS



BIKE &  
PEDESTRIAN  
PATHS



SQUARES &  
PEDESTRIAN  
AREAS



CAR PARKS




BRIDGES

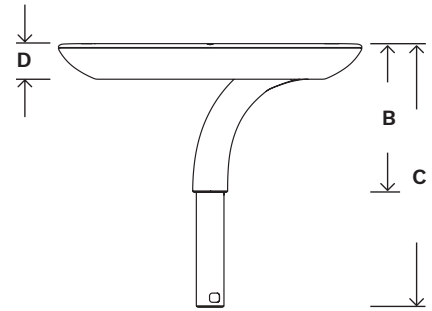
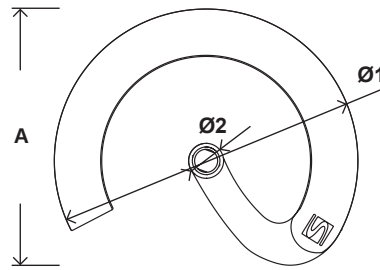


RAILWAY  
STATIONS &  
METROS

# Perla

## Dimensions

A	557mm   21.9"
∅1	660mm   25.9"
∅2	76mm   3"
B	322mm   12.6"
C	572mm   22.5"
D	77mm   3"
 KG	8kg   17.6lbs



## Options

- A low-power LED ring is available in static blue, red or green colours as well as DMX controlled RGB LEDs for accentuation and the creation of a distinctive identity.

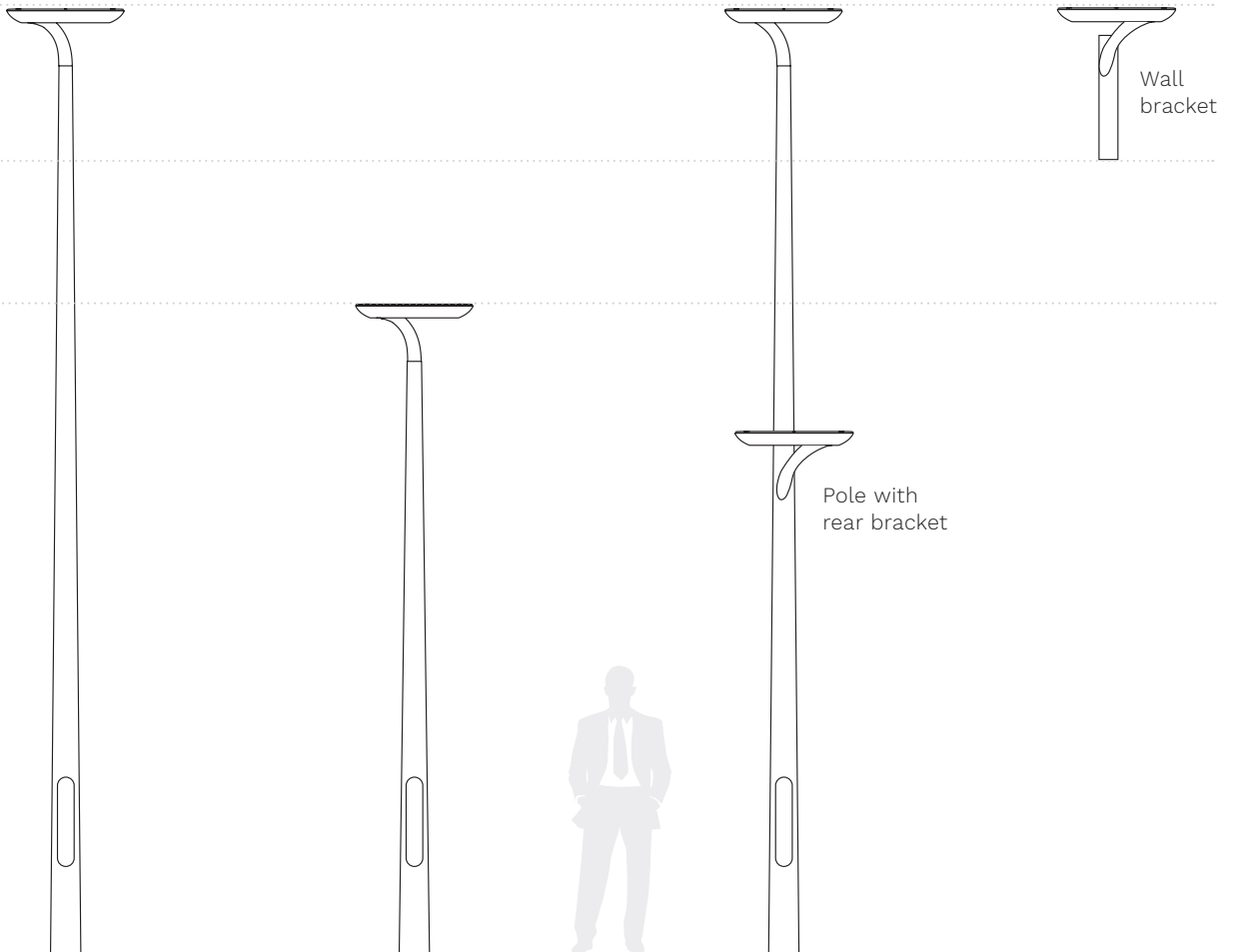


## Columns and brackets

6M / 20'

5M / 16'

4M / 13'





# Calla LED

Indirect LED lighting solution for a convivial atmosphere







IP 66

IK 07



## The Calla LED incorporates an indirect lighting photometric engine designed to light residential neighbourhoods, parks, urban centres and more.

This elegant and organic luminaire ensures a distinctive presence in the public space, both by day and by night. The indirect lighting guarantees a glare-free ambient lighting. The Calla LED is particularly designed for stylish, decorative lighting when performance, aesthetic and light pollution factors are important criteria.

The luminaire is composed of a high-pressure die-cast aluminium housing, an aluminium canopy and a PMMA protector. The complete luminaire has an IP 66 tightness level. The Calla LED luminaire is based on the FutureProof concept. The canopy can be easily opened, without tools so that the LED engine can be changed in a few simple steps.

## Key advantages

- Indirect lighting for a comfortable landscape
- IP 66 tightness level
- ThermiX® to maintain performance over time
- Supplied pre-wired to facilitate installation
- FutureProof: easy replacement of the photometric engine and electronic assembly
- Tool free access for maintenance
- Surge protection 10kV
- Designed to incorporate the Owlet range of control solutions

## Characteristics

Calla LED	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire Output flux (range)	1,300 to 4,200lm
Power consumption	18W to 46W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS




BRIDGES



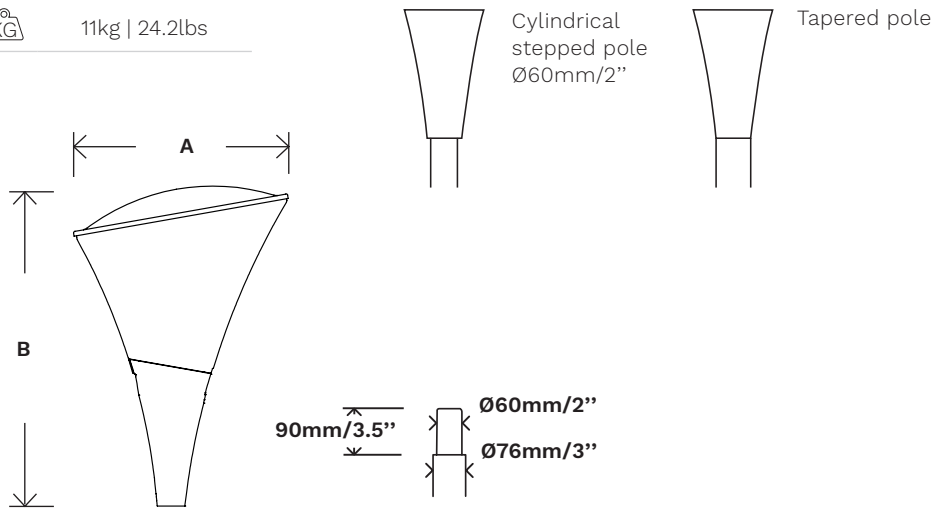
RAILWAY STATIONS &amp; METROS

# Calla LED

## Dimensions | Mounting

A	595mm   23.4"
B	885mm   34.8"
 KG	11kg   24.2lbs

The Calla LED luminaire offers slip-over mounting onto a  $\text{\O}76\text{mm}/3''$  or  $\text{\O}60\text{mm}/2''$  spigot.



## Columns





# Zylindo

A classic design integrating  
the latest technology





IP 66

IK 10



## With two timeless aesthetic designs, Zylindo blends into any kind of urban environment.

Zylindo has been designed to provide an efficient and sustainable lighting for various urban applications. With a very high degree of impact resistance and a high tightness level, this luminaire is built to withstand harsh environmental conditions and vandalism to perform over time.

The elegant cylinder shape with a 360° clear protector hosts the latest evolution of the proven LensoFlex®2 photometric engine, providing symmetrical and asymmetrical light distributions. Zylindo is available as a smooth cylinder or with a large canopy.

Both versions are delivered pre-wired. They offer tool free access to the optical unit and gear compartment to facilitate maintenance operations.

## Key advantages

- Elegant and robust design with 2 aesthetic versions
- State-of-the-art LED technology for low energy consumption
- LensoFlex®2 photometrical engine providing asymmetrical and symmetrical lighting distributions
- Optional internal diffuser for high visual comfort
- Designed for mounting on both Ø60mm (with an accessory) and 76mm spigots
- Supplied pre-wired to facilitate installation

## Characteristics

Zylindo	
Recommended installation height	3m to 6m / 10' to 20'
Typical luminaire output flux (range)	600 to 4,500lm
Power consumption	9.9W to 37.5W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	6/8kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES

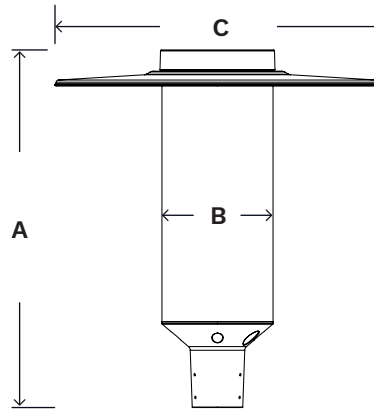


RAILWAY STATIONS &amp; METROS

# Zylindo

## Dimensions | Mounting

A	708mm   27.9"
B	220mm   8.7"
C	644mm   25.3"
Smooth cylinder version 7.8kg   15.4lbs	
Large canopy version 9.2kg   20.3lbs	



### Standard mounting

Post-top on a  $\varnothing 76\text{mm}$  (3") with 80mm (3") long spigot

### Optional mounting

Post-top on a  $\varnothing 60\text{mm}$  (2") with 95mm (3.5") long spigot

## Columns





# Oyo

The perfect match between  
elegance and performance







IP 66

IK 10



Design: Michel Tortel

**Oyo follows in the steps of the successful range of post-top luminaires developed by Schröder. This new smart luminaire has been designed to blend into any urban area where its sophisticated outline enhances the environment.**

With its arched design on two refined supports and a waved embellishment plate, this new decorative luminaire brings a contemporary touch of elegance to the city.

Based on the proven LensoFlex®2 photometrical engine, Oyo offers a wide range of light distributions to provide a harmonious compromise between safety, comfort and energy efficiency for various environments.

As an option, Oyo can be equipped with a 7-pin NEMA socket to be controlled by the Owllet IoT remote management system and to become even more efficient. It can also offer motion detection capabilities through its optional integrated PIR sensor for light-on-demand scenarios.

## Key advantages

- Elegant and robust design
- State-of-the-art LED technology for low energy consumption
- LensoFlex®2 providing asymmetrical and symmetrical light distributions
- Pre-wired to facilitate installation
- Integrated motion detection sensor (option)
- IoT ready

## Characteristics

Oyo	
Recommended installation height	4m to 8m / 13' to 26'
Typical luminaire output flux (range)	1,400 to 8,400lm
Power consumption	18.2W to 75W
Colour temperature	Warm or neutral white
Nominal voltage	200-240V / 50-60Hz
Surge protection	10kV

## Main applications



URBAN & RESIDENTIAL STREETS



BIKE & PEDESTRIAN PATHS



SQUARES & PEDESTRIAN AREAS



CAR PARKS




BRIDGES

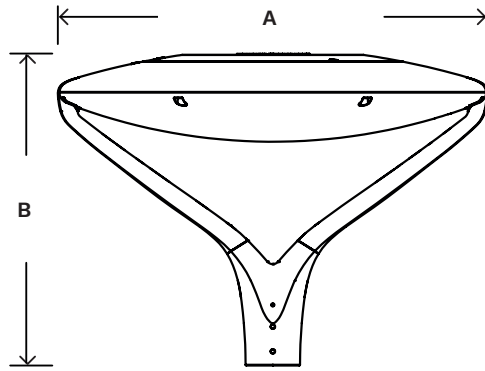


RAILWAY STATIONS & METROS

# Oyo

## Dimensions | Mounting

A	610mm   24"
B	440mm   17.3"
 KG	10kg   22lbs



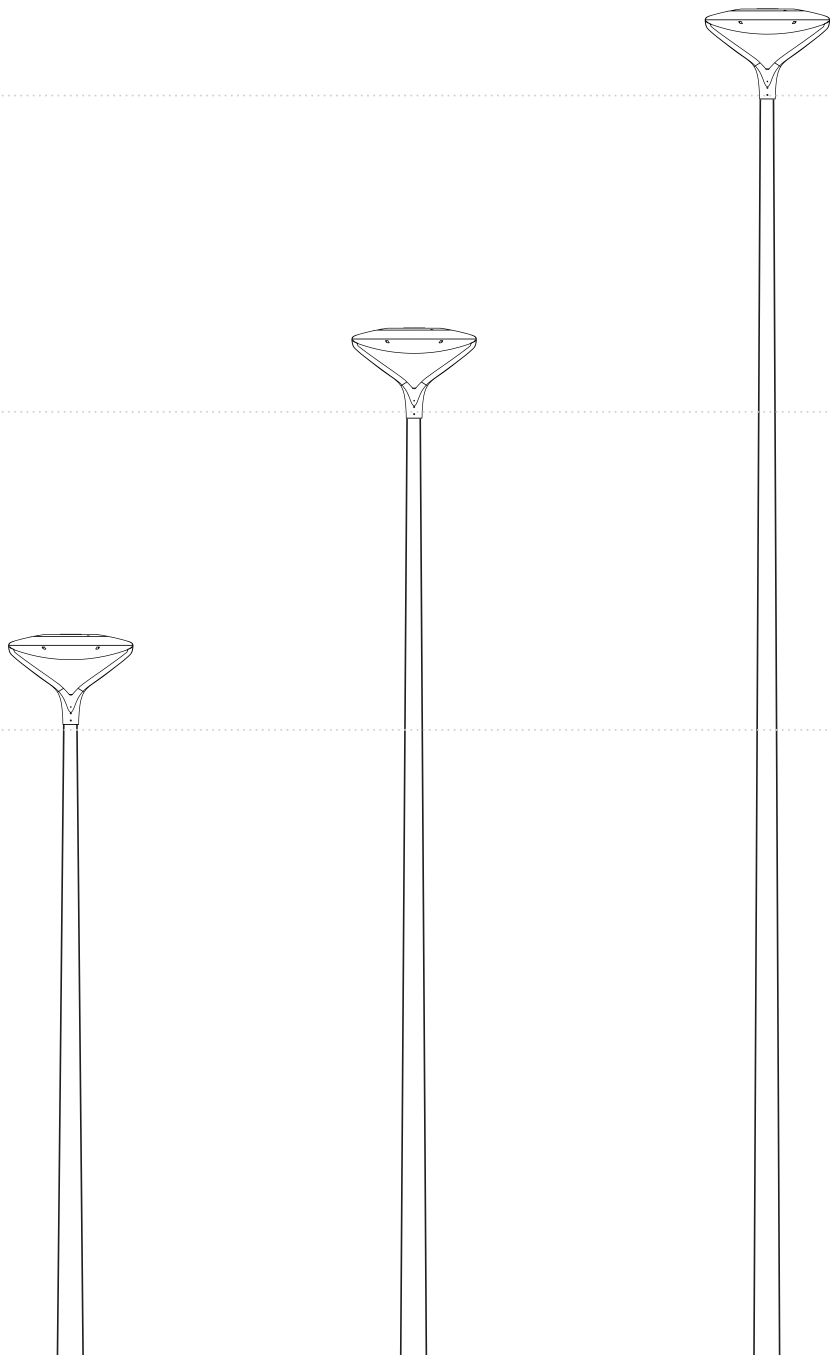
Oyo offers a slip-over mounting onto a  $\varnothing 60\text{mm}$  (2") with 80mm (3") long spigot.

## Columns

**8M / 26'**

**6M / 20'**

**4M / 13'**





# HapiLED

Ambiance combined with  
energy performance





IP 66

PC  
IK 10PMMA  
IK 06

Design: Michel Tortel

## Atmosphere, comfort and energy savings to ideally replace the opal sphere luminaire.

Lighting parks, squares and residential areas requires a specific approach that is very different from lighting roads. The creation of atmosphere plays a prominent role.

However this must not be done at the expense of efficiency. The age of the opal sphere luminaire with high energy consumption and a source of light pollution is gone forever. The HapiLED, an economical, aesthetic, robust and efficient LED solution, is here to replace it.

## Key advantages

- Elegant and comfortable solution for creating a warm ambiance
- Low light pollution (ULOR 3%)
- Several light distributions
- FutureProof: designed for on-site replacement of the LED photometric engine
- Luminaire supplied pre-wired to facilitate its installation

## Characteristics

HapiLED	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	1,500 to 5,200lm
Power consumption	19W to 51W
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications

URBAN &  
RESIDENTIAL  
STREETSBIKE &  
PEDESTRIAN  
PATHSSQUARES &  
PEDESTRIAN  
AREAS

CAR PARKS



BRIDGES

RAILWAY  
STATIONS &  
METROS

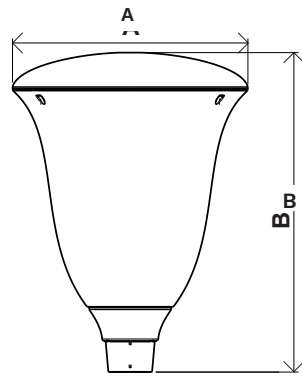
# HapiLED

## Dimensions

A 410mm | 16.1"

B 556mm | 21.9"

 5kg | 11lbs

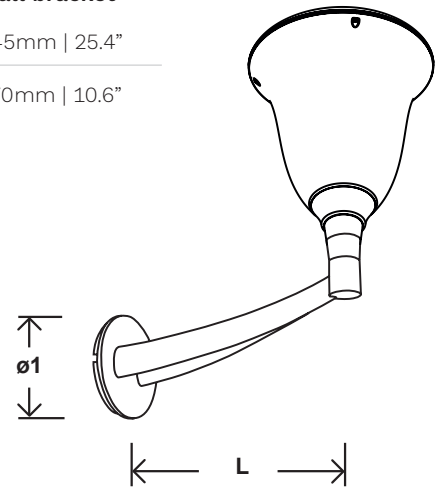


HapiLED offers a slip-over mounting onto a  $\varnothing 60\text{mm}$  (2") spigot.

### Wall bracket

L 645mm | 25.4"

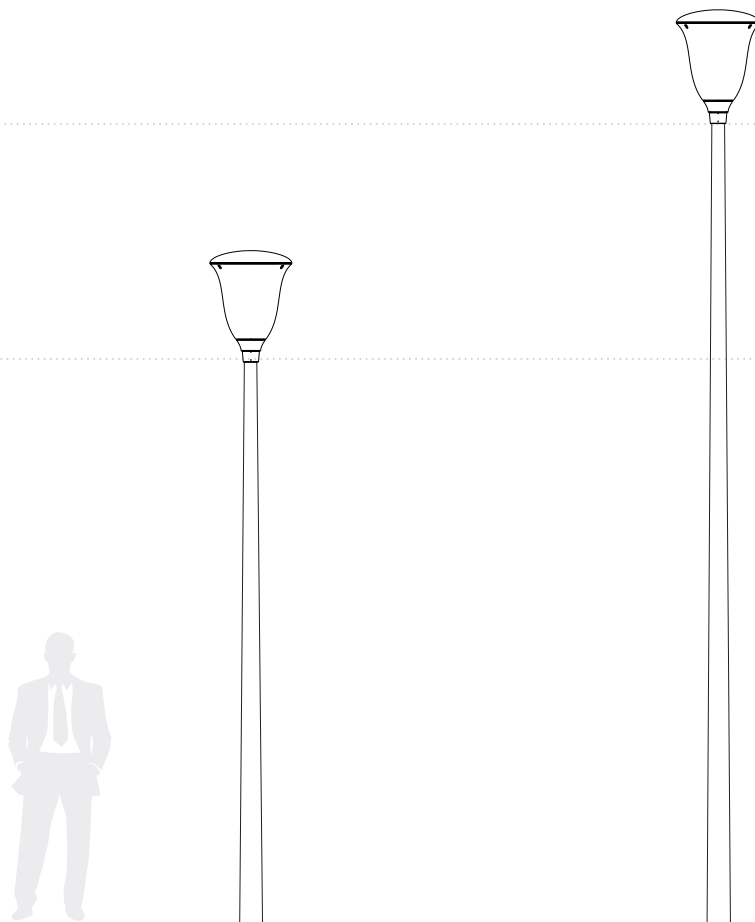
$\varnothing 1$  270mm | 10.6"



## Columns

5M / 16'

3.5M / 11'





# Pilzeo

Elegant and cost-effective solution  
with cutting-edge LED technology







IP 66

IK 08



Design: Achilles Design

**The post-top luminaire Pilzeo transforms the classic 'mushroom' lantern into a contemporary design. Based on the proven LensoFlex®2 LED engine, the Pilzeo ensures photometric performance to provide safety and well-being in the public space.**

The name Pilzeo refers directly to the 'Pilzleuchte' - literally 'mushroom luminaire' - a very popular type of lantern in German-speaking countries. This classical form has been refreshed to provide an aesthetic continuity while generating massive energy savings.

The Pilzeo luminaire is adapted to various urban landscapes such as residential areas, parks, squares, bicycle paths and historical urban centres. The base section and body of the luminaire are made of high-pressure die-cast aluminium while the protector and the top cover are composed of polycarbonate. The design of the Pilzeo luminaire guarantees an IP 66 tightness level to maintain performance over time.

## Key advantages

- Cost-effective lighting solution for creation of ambiance
- Elegant design for low height installation
- IP 66 tightness level for long lasting performance
- Tool free access for maintenance
- Surge protection 10kV
- Designed to incorporate the Owlet range of control solutions

## Characteristics

Pilzeo	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	800 to 5,700lm
Power consumption	10W to 55W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES



RAILWAY STATIONS &amp; METROS

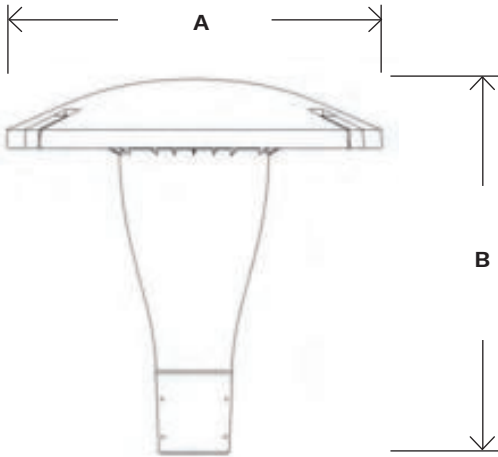
# Pilzeo

## Dimensions | Mounting

W 524mm | 20.6"

H 530mm | 20.8"

 6.7kg | 14.7lbs

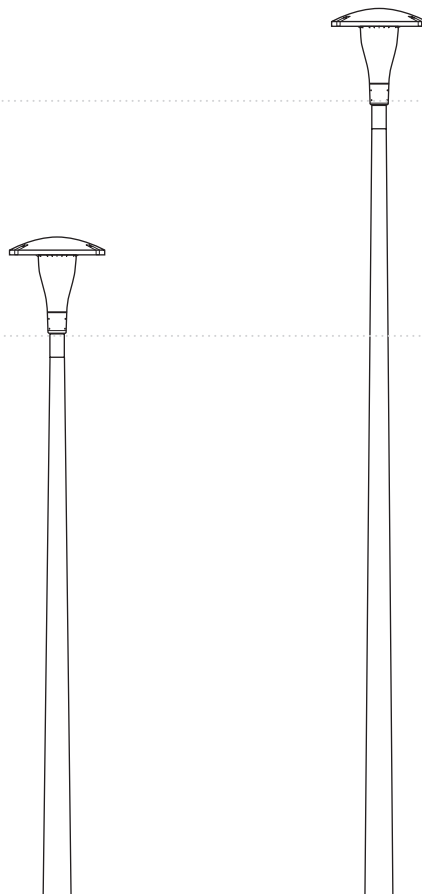


Pilzeo offers slip-over mounting onto a  $\varnothing 76\text{mm}/3''$  or  $\varnothing 60\text{mm}/2''$  spigot.

## Columns

5M / 16'

3.5M / 11'





# Alura LED

Ambiance lighting combined with  
comfort and efficiency





IP 66

IK 10



Design: Michel Tortel

**The Alura LED luminaire combines efficiency, aesthetics and visual comfort. With its timeless elegance and its high performance photometry, this luminaire is a distinctive tool to light urban centres, squares, bike paths, residential streets and car parks.**

Available with a ribbed or smooth polycarbonate protector, the Alura LED creates a warm ambiance while providing huge energy savings thanks to its performing LensoFlex®2 photometric engine. It ensures safety and well-being in the public space in the most sustainable way.

Composed of high-quality recyclable materials, the Alura LED is built to last. Using state-of-the-art technology, it is FutureProof: the optical unit or the control gear can be replaced at any time to take advantage of future technological improvements.

## Key advantages

- Low energy consumption
- Elegant design for low height installation
- Visual comfort
- Robust materials
- Round or square section pole with a wooden finish

## Characteristics

Alura LED	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	1,200 to 5,300lm
Power consumption	18.2W to 52.5W
Colour temperature	Warm, neutral or cool white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS




BRIDGES

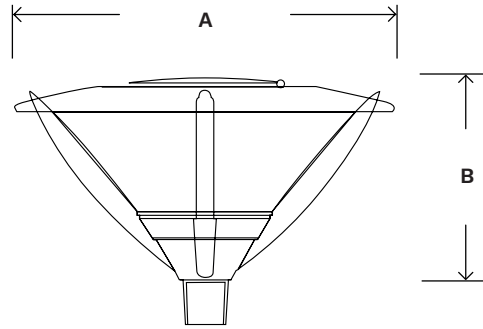


RAILWAY STATIONS &amp; METROS

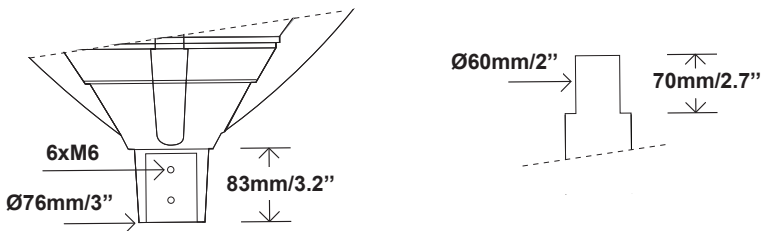
# Alura LED

## Dimensions | Mounting

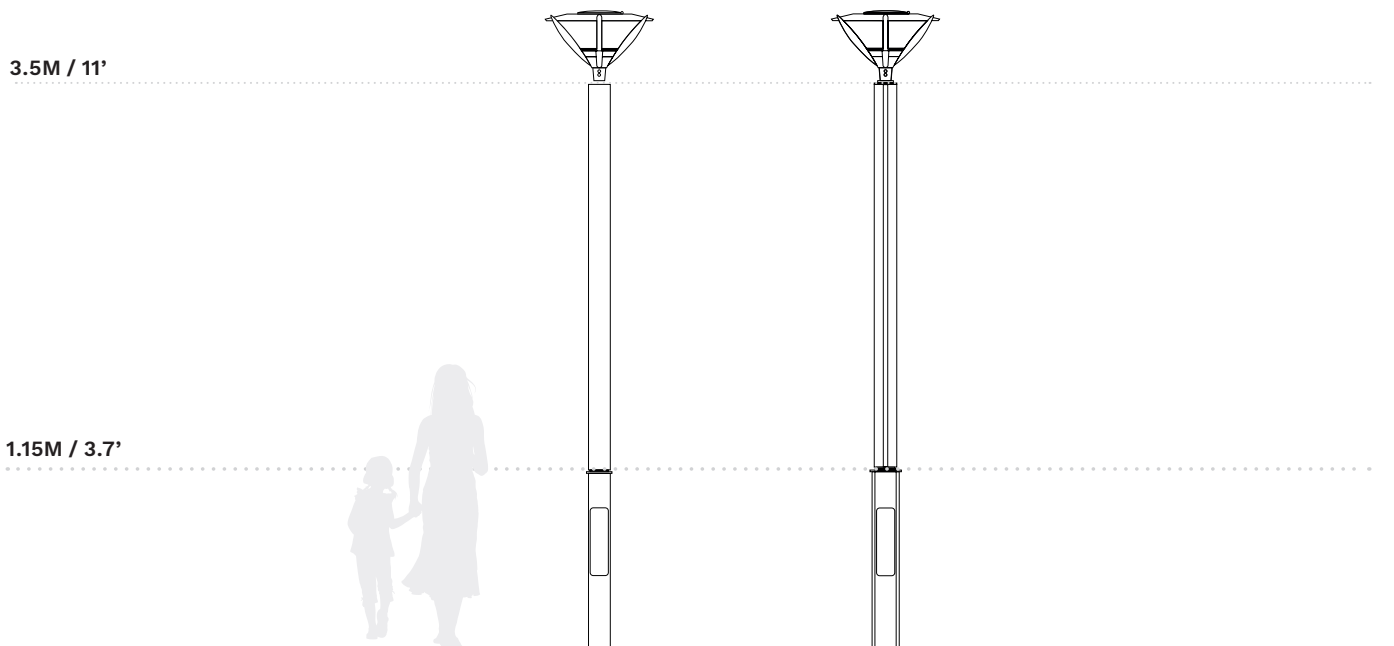
A	700mm   27.5"
B	367mm   14.4"
 KG	15.5kg   34.1lbs



The Alura LED luminaire offers slip-over mounting onto a  $\text{\O}60\text{mm}/2''$  spigot.



## Descobertas wooden columns





# Isla LED

Elegant and economical solution with cutting-edge LED technology







IP 66

IK 08



Design: Michel Tortel

### The Isla LED luminaire offers an economical lighting solution based on LED technology.

This luminaire is available with numerous different light distributions, all characterised by low energy consumption for high-quality photometric performance.

Designed by Michel Tortel, the Isla LED luminaire presents an elegant design that perfectly integrates into many urban and residential environments. The Isla LED luminaire is composed of aluminium and glass.

### Key advantages

- Perfect control of light distribution
- Low energy consumption
- LensoFlex®2 photometric engine with photometry adapted to various applications
- Elegant design for low height installation
- No light pollution (ULOR 0%)
- FutureProof: easy replacement of the photometric engine and electronic assembly

### Characteristics

#### Isla LED

Recommended installation height	3.5 to 6m / 11' to 20'
Typical luminaire output flux (range)	1,400 to 4,900lm
Power consumption	19W to 51W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

### Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS




BRIDGES



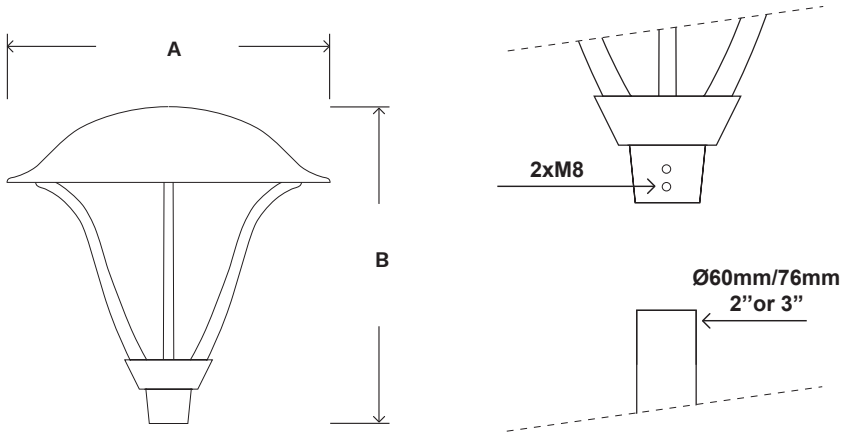
RAILWAY STATIONS &amp; METROS

# Isla LED

## Dimensions | Mounting

A	647mm   25.4"
B	636mm   25"
 KG	9.5kg   20.9lbs

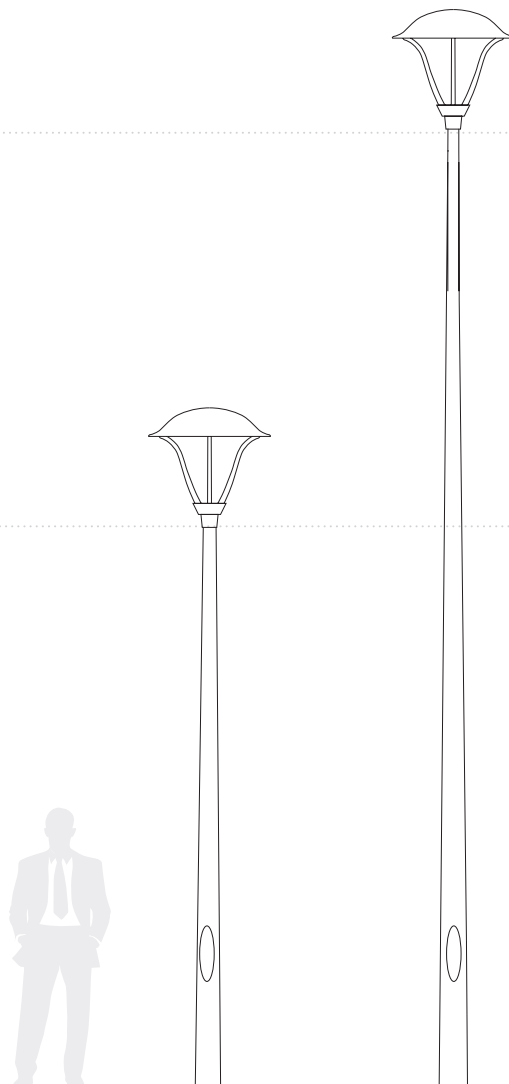
The Isla LED luminaire offers slip-over mounting onto a  $\text{Ø}60$  or  $76\text{mm}$  (2" or 3") pole by tightening 2 M8 screws.



## Columns

6M / 20'

3.5M / 11'





# Kio LED

Elegance, comfort, creation  
of ambiance and performance





IP 66

PC  
IK 09

Design: Grandesign

## The clean and fluid lines of the Kio LED luminaire adapt to various urban landscapes such as parks, squares, gardens and residential areas.

The Kio LED combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 concept developed by Schröder. This luminaire offers photometric efficiency with visual comfort for the creation of ambiance. It provides multiple light distributions characterised by excellent photometric performance. The materials used are of excellent quality: the base and cover are in high-pressure die-cast aluminium, the protector is composed of polycarbonate. The design of the Kio LED luminaire guarantees an IP 66 tightness level.

## Key advantages

- LensoFlex®2: high-performing photometry
- Visual comfort
- Creation of ambiance
- Limited maintenance
- FutureProof: easy replacement of the photometric engine and electronic assembly
- Surge protection 10kV

## Characteristics

### Kio LED

Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	700 to 7,800lm
Power consumption	9.7W to 73W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications

URBAN &  
RESIDENTIAL  
STREETSBIKE &  
PEDESTRIAN  
PATHSSQUARES &  
PEDESTRIAN  
AREAS

CAR PARKS



BRIDGES

RAILWAY  
STATIONS &  
METROS

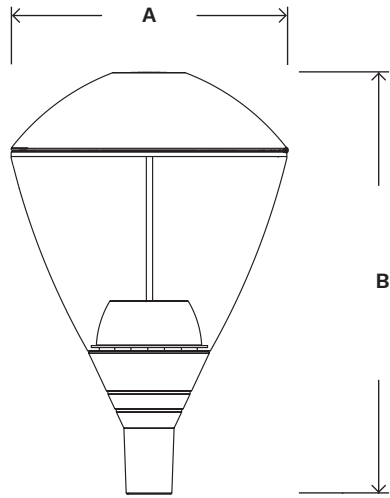
# Kio LED

## Dimensions | Mounting

A 460mm | 18.1"

B 703mm | 27.6"

 8.2kg | 18lbs



The Kio LED luminaire offers slip-over mounting onto a Ø60mm (2") spigot.

## Columns and brackets





# Friza

Modern classic design for  
cost-effective residential lighting







IP 66

IK 08



Design: Achilles Design

**Adapted to various urban landscapes such as residential areas, parks, squares, bicycle paths and urban historical centres, the Friza luminaire combines a timeless design with the energy efficiency of LED technology.**

The name Friza refers to Friesland, a Dutch province and one of the many regions where the original conical 'Kegel' luminaire remains very popular. This classical shape is now refreshed to provide an aesthetic continuity while generating massive energy savings.

Thanks to the combination of LensoFlex®2 engines and structured protectors, Friza ensures photometric performance and comfort (low glare) to offer safety and well-being in the public space. The base section and gear plate of the Friza are made of high-pressure die-cast aluminium while the protector and cover are made of polycarbonate. The design of the Friza luminaire guarantees an IP 66 tightness level to maintain performance over time.

## Key advantages

- Cost effective lighting solution for the creation of ambiance
- IP 66 tightness level
- Luminaire supplied pre-wired to facilitate its installation
- FutureProof: easy replacement of the photometric engine and electronic assembly
- Surge protection 10kV
- Designed to incorporate the Owlet range of control solutions

## Characteristics

Friza	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	800 to 5,700lm
Power consumption	10W to 52W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES



RAILWAY STATIONS &amp; METROS

# Friza

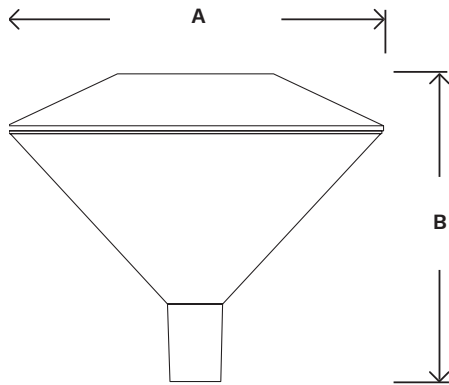
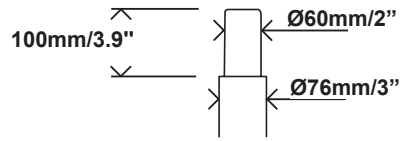
## Dimensions | Mounting

A 564mm | 22.2"

B 450mm | 17.7"

 9kg | 20lbs

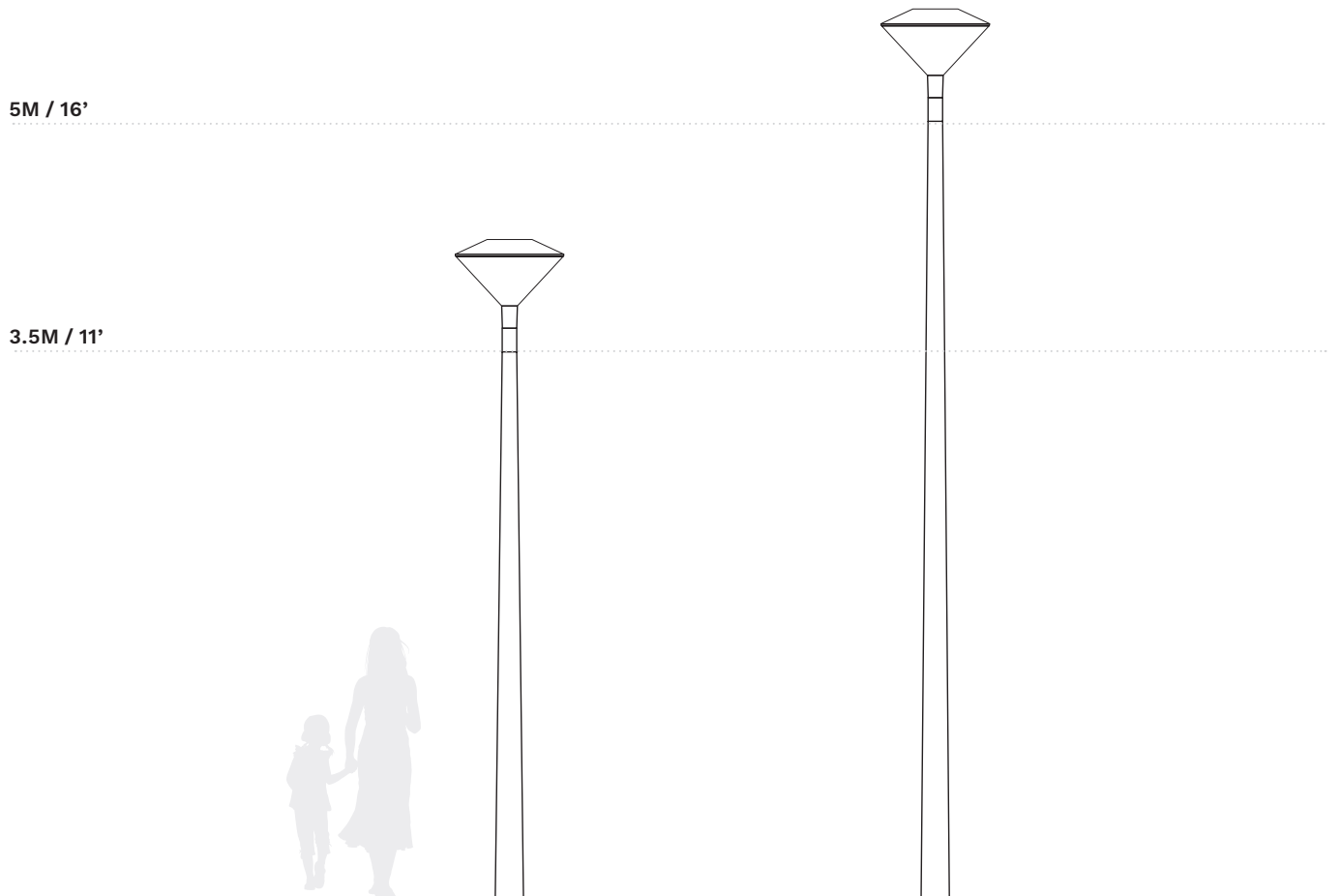
The Friza luminaire offers slip-over mounting onto a  $\text{\O}60\text{mm}/2''$  and 100mm long spigot (2 M8 screws).



## Columns

5M / 16'

3.5M / 11'





# Inoa LED

Elegance, comfort, creation  
of atmosphere and efficiency





IP 66

PC/GLASS  
IK 08PMMA  
IK 05

Design: Michel Tortel

**While delivering a high degree of visual comfort, the Inoa LED enables significant energy savings compared to equivalent luminaires fitted with traditional light sources.**

The Inoa LED luminaire is available in a wide range of versions. The diffuser bowl can be equipped with an additional clear or striated protector. This second protector surrounds the luminaire with subtle charm. At night, the magic happens: when one approaches it, the drop of light in the protector seems to move under the play of the reflections. These various configurations are combined with two sizes of top canopy: small or large.

The discreet elegance of the Inoa LED luminaire makes it an ideal choice for enhancing any landscape. It offers several light distributions to meet the requirements for lighting parks and squares as well as urban and residential areas.

## Key advantages

- High visual comfort
- Low power consumption
- Multiple configurations
- Magic of light thanks to protector
- FutureProof: easy replacement of the photometric engine and electronic assembly
- Easy maintenance

## Characteristics

Inoa LED	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	1,200 to 8,900lm
Power consumption	18.2W to 75W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications

URBAN &  
RESIDENTIAL  
STREETSBIKE &  
PEDESTRIAN  
PATHSSQUARES &  
PEDESTRIAN  
AREAS

CAR PARKS




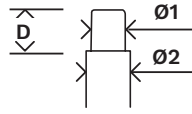
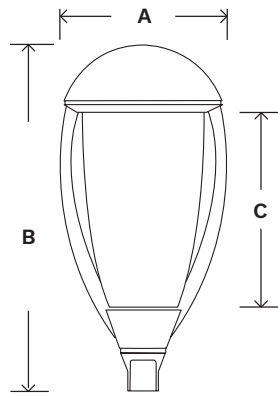
BRIDGES

RAILWAY  
STATIONS &  
METROS

# Inoa LED

## Dimensions | Mounting

A	431mm   16.9"
B	903mm   35.5"
C	533mm   21"
	
Small canopy	11.5kg   25.3lbs
Large canopy	15kg   33lbs



D	70mm   2.7"
Ø1	60mm   2"
Ø2	76mm   3"

The Inoa LED luminaire offers slip-over mounting onto a Ø60mm/2" spigot by tightening of 6 M6 screws.

## Versions



Flat glass



Diffuser

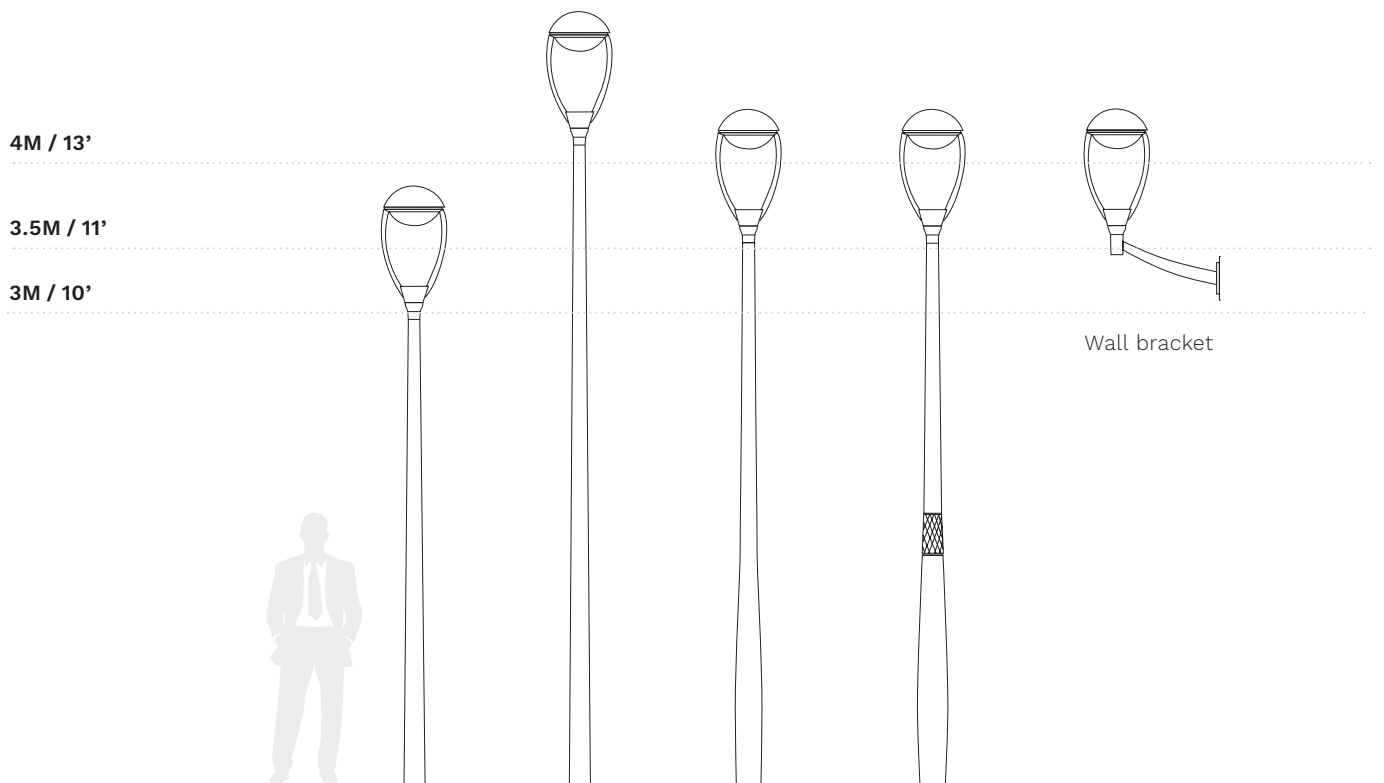


Diffuser and striated protector



Diffuser and large canopy

## Columns and brackets





# Stylage

Style and performance  
for a new age







IP 66

IK 08



Design: Michel Tortel

## With its typical 4-faced design, the Stylage luminaire brings the classical style lanterns into the 21<sup>st</sup> century.

The Stylage is the ideal tool to create aesthetic consistency in cities composed of a mixture of heritage and modern architecture and who wish to highlight their historical patrimony while accentuating their commitment to the future. Equipped with the performing LensoFlex®2 LED engine, the Stylage luminaire offers a high performance with energy savings that can exceed 75% compared to luminaires fitted with traditional light sources. This efficiency lowers its payback time and contributes to a responsible use of natural resources.

The large semi-sanded protector version of Stylage is offered with an aluminium flame to emulate the gas-jet lamps of the last century. At night, this creates a decorative effect as when you approach the luminaire, the flame seems to move under the play of the reflections on the aluminium surface.

## Key advantages

- Elegant and comfortable solution for creating ambiance
- Available with a flat glass or a shaped protector in polycarbonate
- Energy savings: up to 75% compared with traditional light sources
- No light pollution: ULOR 0% in flat glass version
- Designed to incorporate the Owllet range of control solutions
- Surge protection 10kV

## Characteristics

Stylage	
Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	1,000 to 8.300lm
Power consumption	18.2W to 75W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS




BRIDGES

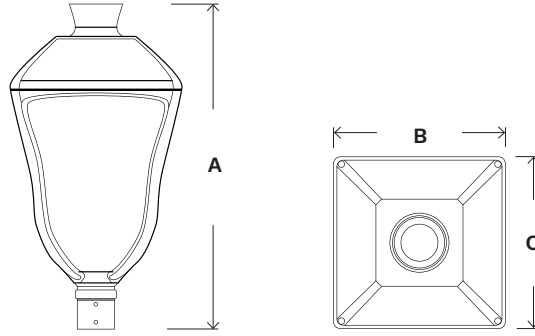


RAILWAY STATIONS &amp; METROS

# Stylage

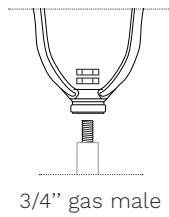
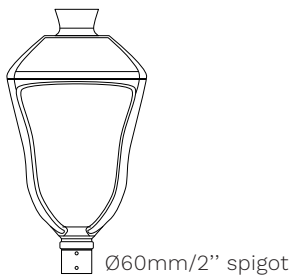
## Dimensions | Mounting

A	705mm   27.7"
B	373mm   14.7"
C	373mm   14.7"
 KG	8kg   17.6lbs



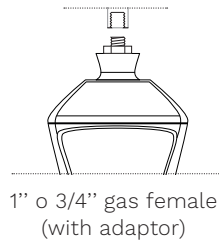
The Stylage luminaire is available with post-top (Ø60mm spigot or 3/4" gas) or a suspended mounting (3/4" gas).

### Post-top



3/4" gas male

### Suspended



1" o 3/4" gas female (with adaptor)

## Columns and brackets





# Valentino LED

Low energy LED lantern





IP 66

IK 08



### Under its classical and timeless exterior, the Valentino LED luminaire incorporates cutting-edge LED technology.

It combines the energy efficiency of the LED light source with the photometric performance of the LensoFlex®2 concept developed by Schröder.

The Valentino LED luminaire is available with different power versions and three light distributions for lighting urban roads, streets, squares, parks and car parks. This traditional lantern is composed of aluminium and glass (or anti-UV polycarbonate). The robust materials, the IP 66 tightness level of the optical compartment and an LED photometric engine built to last, ensure a long life-cycle and very low maintenance. The Valentino LED is a stylish tool for efficient lighting and a source of well-being and safety in the public space.

## Key advantages

- Low energy consumption
- Elegant and comfortable solution for creating ambiance
- Traditional look combined with cutting edge technology
- LensoFlex®2 photometric engine with photometry adapted to various applications
- No light pollution: ULOR 0% in flat glass version
- Energy savings of up to 75% compared with traditional light sources
- ThermiX® for long lasting performance

## Characteristics

### Valentino LED

Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	1,300 to 8,300lm
Power consumption	18.2W to 73W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES



RAILWAY STATIONS &amp; METROS

# Valentino LED

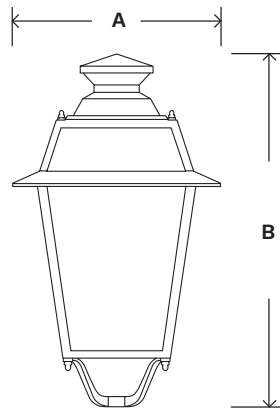
## Dimensions | Mounting

A 450mm | 17.7"

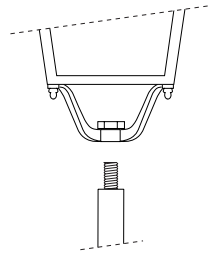
B 760mm | 29.9"

 7kg | 15.4lbs

The Valentino LED luminaire is available with a post-top (optional adaptor for Ø60mm/2" spigot) or suspended mounting. An embellishment conceals the mounting nut and provides a smooth finishing surface at the base of the luminaire.

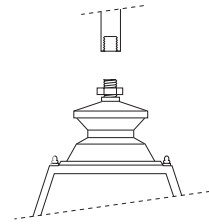


### Post-top



On a ¾" male threaded post-top, secured by a counter-nut

### Suspended



On a ¾" female threaded tube section, secured by a counter-nut

## Versions



Flat glass



Clear protector

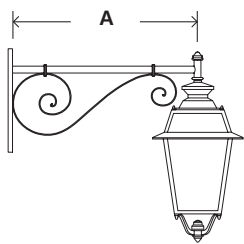


Opal protector

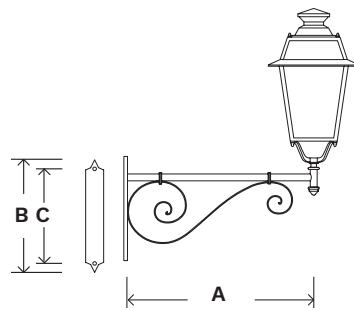


Structured protector

## Columns and brackets



Wall bracket (suspended)

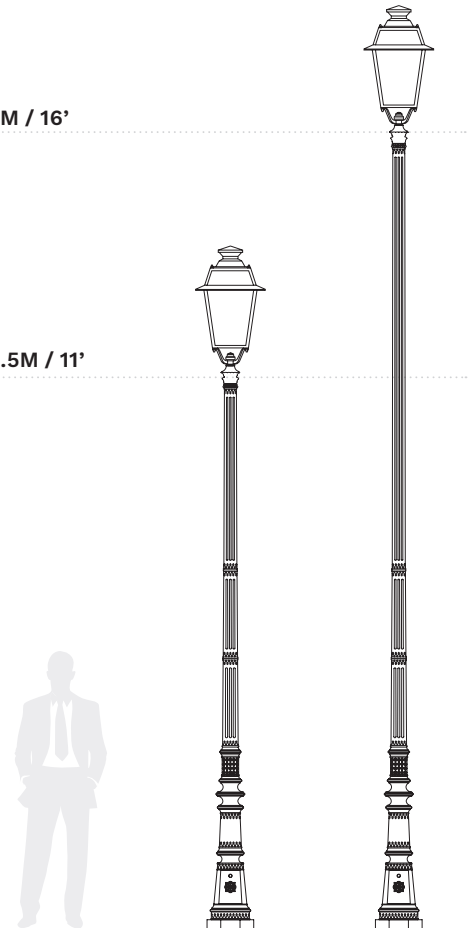


Wall bracket (post-top)

	Small	Medium	Large
A	600mm   23.6"	750mm   30"	900mm   35.4"
B	500mm   19.7"	500mm   19.7"	500mm   19.7"
C	420mm   16.5"	420mm   16.5"	420mm   16.5"

5M / 16'

3.5M / 11'





# Zela

Comfort meets performance  
and efficiency







IP 66

IK 10



Design: Michel Tortel

## The Zela provides a cost-effective indirect lighting solution for the creation of ambiance.

This modern luminaire is characterised by its distinct flat and conical diffuser, made possible by incorporating LED technology.

This compactness is coupled with a careful design that harmoniously integrates both functionality and finish. For instance, the fins on the base section add a certain elegance by continuing the flow of the pole.

The Zela emits a pleasant, low glare light, making it perfect for architectural spaces. Available with symmetrical or asymmetrical light distributions and various lumen packages, the Zela luminaire offers a flexible and cost-effective indirect lighting for the creation of ambiance.

## Key advantages

- Low glare thanks to indirect lighting
- Delivered pre-wired to ease installation
- Available with 11 lumen packages ranging from 400 to 3,700 lumen
- Symmetrical light distribution for general area lighting or asymmetrical light distribution for lighting roads and streets
- Integrated surge protection 4/10kV

## Characteristics

Zela	
Recommended installation height	3 to 6m / 10' to 20'
Typical luminaire output flux (range)	400 to 3,700lm
Power consumption	10W to 41W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	4/10kV

## Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS



BRIDGES




RAILWAY STATIONS &amp; METROS

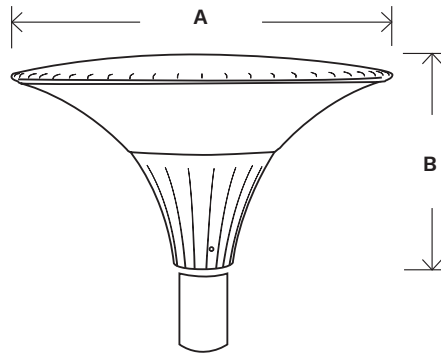
# Zela

## Dimensions | Mounting

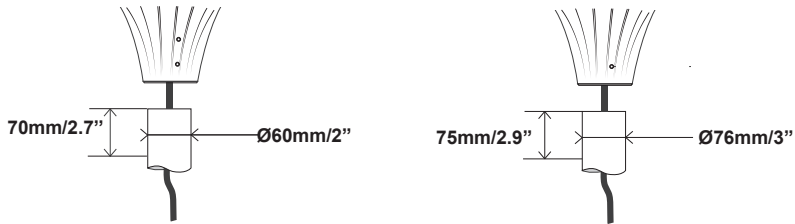
A 578mm | 22.7"

B 324mm | 12.7"

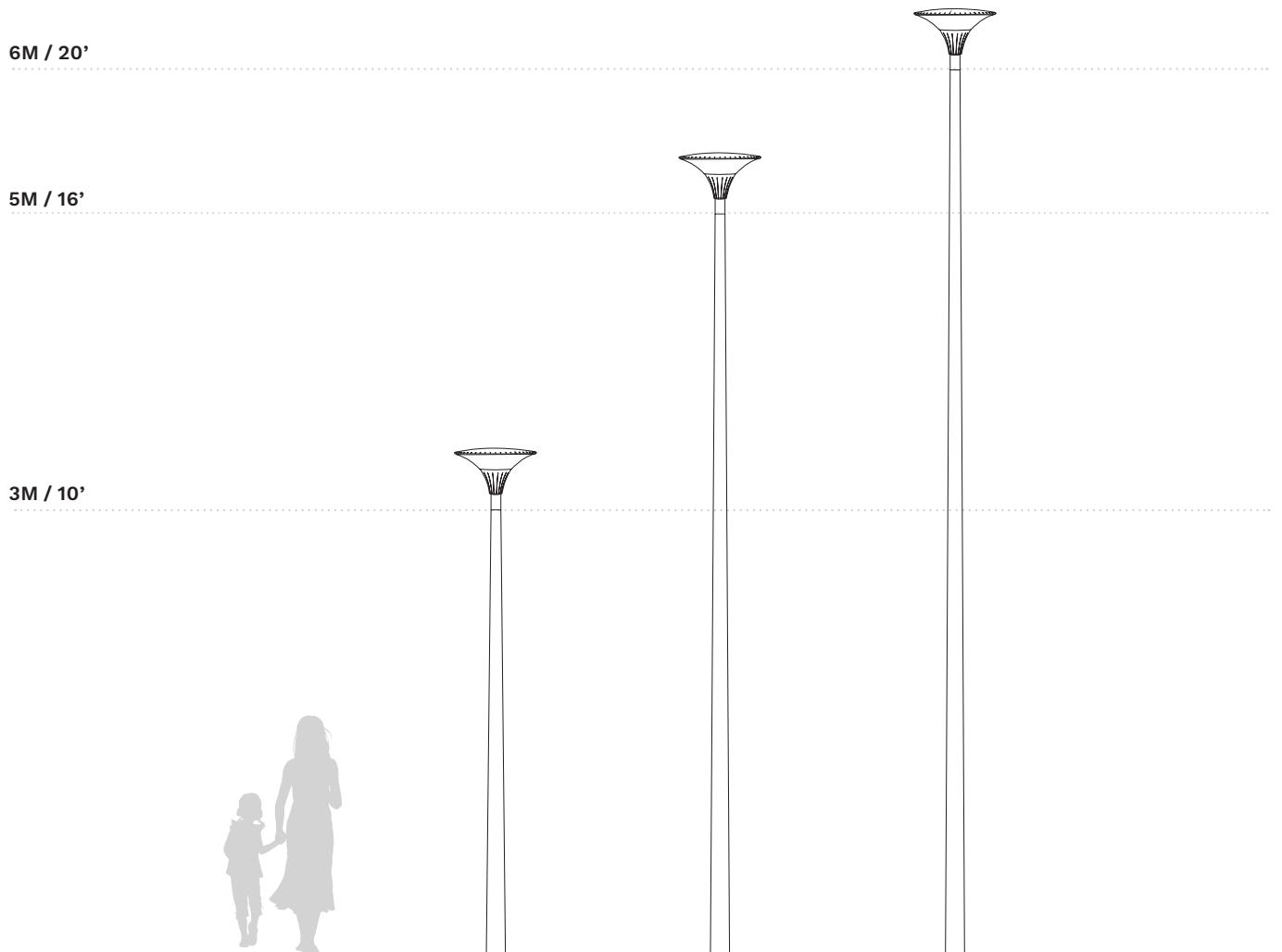
 4.9kg | 10.8lbs



The Zela luminaire offers slip-over mounting onto a  $\text{Ø}60\text{mm}/2''$  or  $\text{Ø}76\text{mm}/3''$  pole by tightening 2 or 6 screws.



## Columns





# Kazu

Efficient, discreet, flexible





IP 66

SHAPED PC  
IK 10FLAT PC  
IK 09

## Inspired by the Kaza hat worn by the samurai, the Kazu is an excellent example of adaptability, anticipation and flexibility.

The Kazu minimal and modern look is designed around the compactness of the LED engine, blending into landscapes while providing sustainable lighting solutions that dramatically reduce energy consumption and improve visual comfort for motorists, cyclists and pedestrians. Reliable, efficient, discreet and robust, the Kazu luminaire is supplied pre-wired for an easy installation. The curved cooling fins optimise heat extraction and prevent dirt from entering the luminaire. With virtually no maintenance required, the Kazu guarantees long-lasting performance and massive savings. It is available with flat (standard version) or dome-shaped (comfort version) protector to guarantee the perfect fit in any landscape.

## Key advantages

- Cost-effective and efficient lighting solution for a fast return on investment
- LensoFlex®2 photometric engine with photometry adapted to various applications
- IP 66 tightness level
- ThermiX®: resists high temperatures (Ta 50°C/122°F)
- 2 designs: standard or comfort
- Post-top mounting adapted to Ø60mm/2" and Ø76mm/3" poles
- Optional control solutions: photocell or Owllet control systems
- No uplight

## Characteristics

Kazu	
Recommended installation height	3 to 6m / 10' to 20'
Typical luminaire output flux (range)	1,000 to 7,500lm
Power consumption	15W to 82W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	4/10kV

## Main applications

URBAN &  
RESIDENTIAL  
STREETSBIKE &  
PEDESTRIAN  
PATHSSQUARES &  
PEDESTRIAN  
AREAS

CAR PARKS



BRIDGES

RAILWAY  
STATIONS &  
METROS

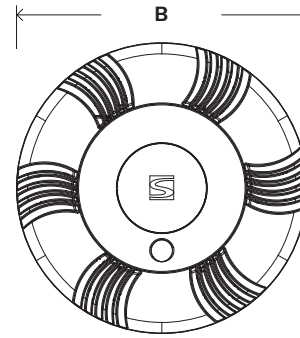
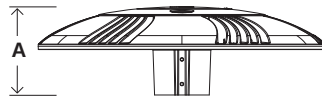
# Kazu

## Dimensions | Mounting

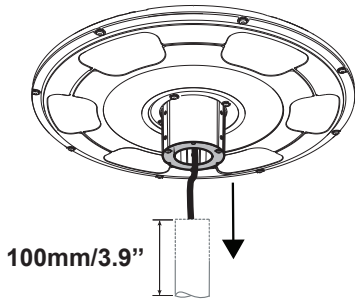
A 160mm | 6.3"

B 525mm | 20.6"

 8kg | 17.6lbs



The Kazu luminaire offers slip-over mounting onto  $\text{Ø}60\text{mm}/2''$  or  $\text{Ø}76\text{mm}/3''$  pole by tightening 6 screws.



## Columns

6M / 20'

5M / 16'

3M / 10'





# Voldue

The most affordable yet efficient connected lighting solution for the creation of ambiance







IP 66

IK 10



### The Voldue combines a clean design and quality lighting while significantly reducing energy and maintenance costs.

Designed to light pedestrian and low-speed areas with superior efficacy, Voldue optimises the return on investment.

This modern and compact LED luminaire is available with various control solutions including motion detection and remote management.

Voldue is the perfect tool for towns and cities looking for quality lighting with a minimum investment to ensure a fast payback.

### Key advantages

- Cost-effective and efficient lighting solution for a fast return on investment
- ThermiX®: withstands high temperatures (Ta up to 45°C)
- Post-top mounting adapted to Ø48-60mm poles
- ProFlex™ photometric engines providing asymmetrical and symmetrical lighting distributions
- Supplied pre-wired to facilitate installation
- Designed to incorporate the Owlet range of control systems

### Characteristics

Voldue	
Recommended installation height	3.5m to 5m / 11' to 16'
Typical luminaire output flux (range)	1,900 to 3,900lm
Power consumption	22W to 42W
Colour temperature	Warm or neutral white
Nominal voltage	200-240V / 50-60Hz
Surge protection	4/10kV

### Main applications



URBAN &amp; RESIDENTIAL STREETS



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS



CAR PARKS




BRIDGES

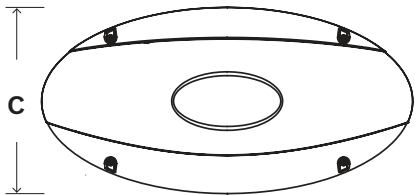
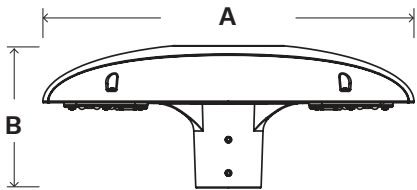


RAILWAY STATIONS &amp; METROS

# Voldue

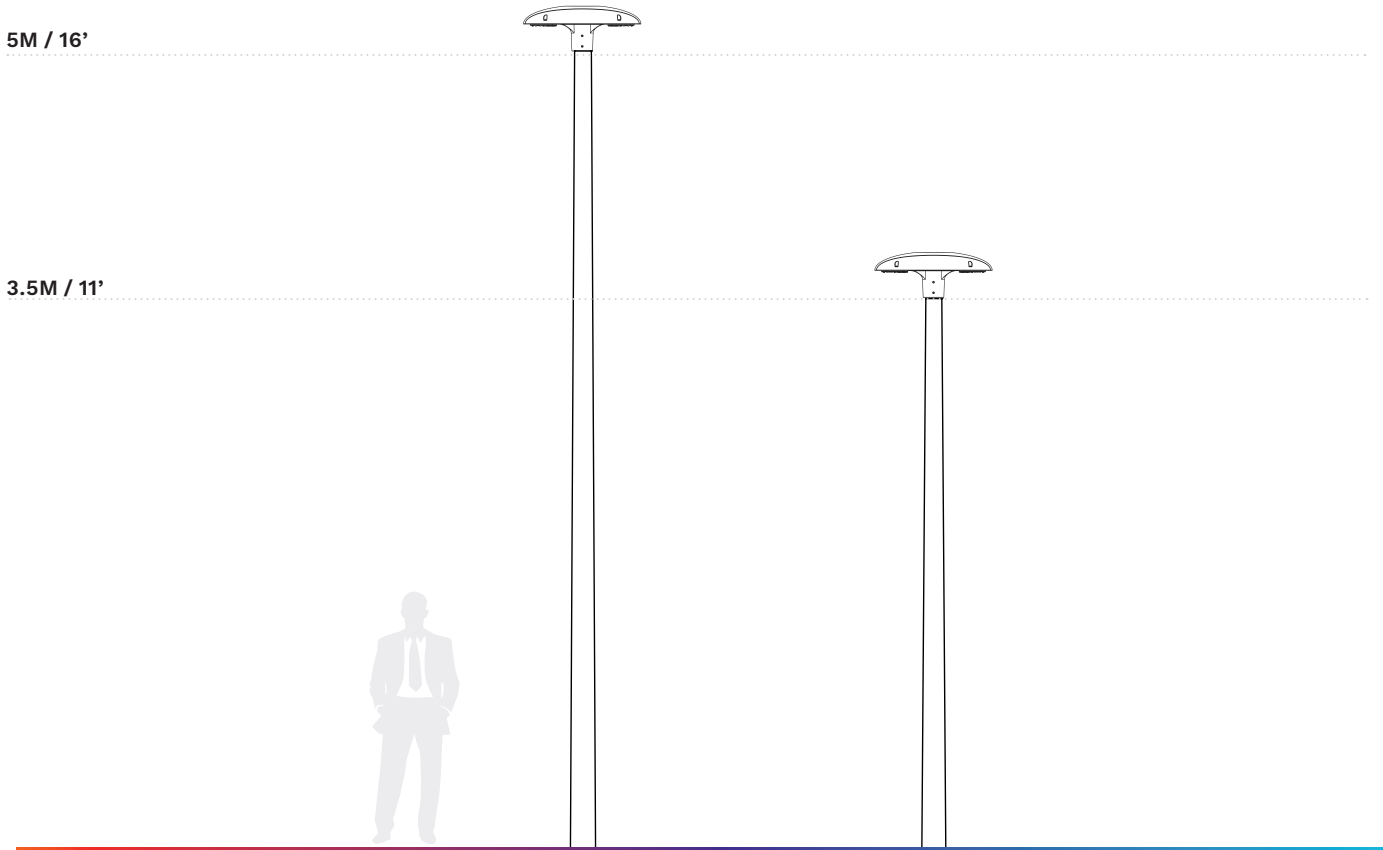
## Dimensions | Mounting

A	501mm   19.7"
B	192mm   7.5"
C	251mm   10"
 KG	4kg   8.8lbs



The Voldue luminaire offers slip-over mounting onto a  $\varnothing 48-60\text{mm}$  (1.8-2") with 80mm (3") long spigot.

## Columns





# Citrine

Comfort and performance





IP 66

IK 10



## The Citrine was developed to take up the challenge of creating both efficient visual guidance and a pleasant atmosphere.

This high-quality and cost-effective lighting solution is available in 3 sizes (Micro, Mini and Midi) and with 2 photometrical options; a symmetrical distribution and an asymmetrical distribution. Both are proposed with a diffuse protector for maximised comfort or with a clear protector for high performance.

The photometry has been designed to maximise the spacing between the bollards - up to 12m/39' for P6 class in full compliance with EN 13201 and CIE 115 prescriptions - and thus lower the investment.

## Key advantages

- Compact and versatile
- Maximised savings in energy and maintenance costs
- Diffuse protector for visual comfort and ambiance / clear protector for pathway lighting
- ThermiX® for long lasting performance
- Wide range of operating temperatures from -20°C/-4°F up to 50°C/122°F
- Easy to install
- Surge protection 10kV (optional)

## Characteristics

Citrine	
Recommended installation height	0.3 to 1m / 1' to 3'
Typical luminaire output flux (range)	400 to 1,100lm
Power consumption	6W to 9W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60HZ
Surge protection	4/10kV

## Main applications



BIKE &amp; PEDESTRIAN PATHS



SQUARES &amp; PEDESTRIAN AREAS




CAR PARKS

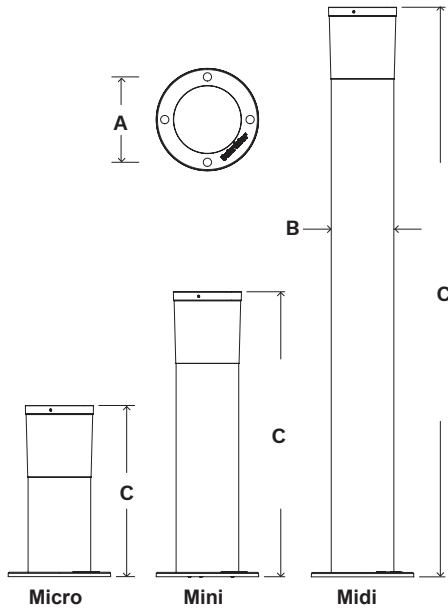


BRIDGES

# Citrine

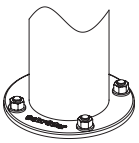
## Dimensions | Mounting

	Micro	Mini	Midi
A	150mm   5.9"	150mm   5.9"	150mm   5.9"
B	110mm   4.5"	110mm   4.5"	110mm   4.5"
C	300mm   11.8"	500mm   19.7"	1000mm   40"
 KG	2.0kg   4.4lbs	2.7kg   6lbs	4.3kg   9.6lbs

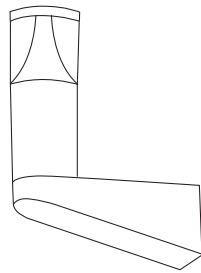


## Installation

### Standard mounting

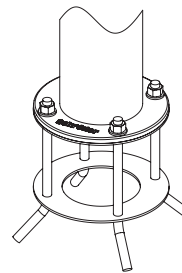


On-ground mounting with 4 M12 bolts on a Ø150mm/5.9" base

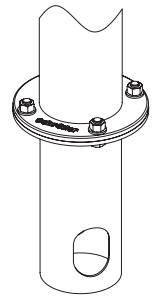


The Citrine Micro can also be mounted on a dedicated wall bracket.

### Optional mountings



Bolt-cage (for casting into concrete)

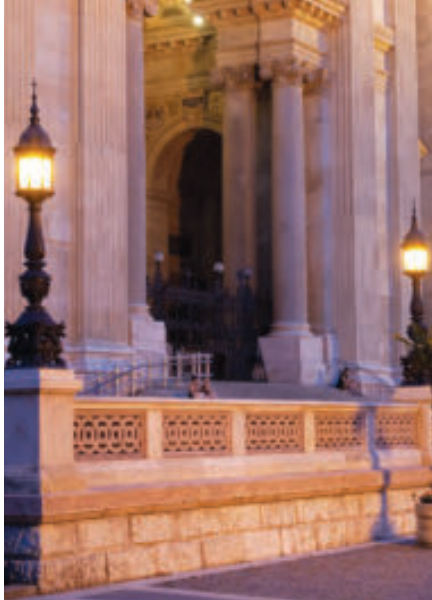


Bolt-on root (for setting into soft ground)










# ILLUMINATION







# Illumination portfolio - characteristics

	NUMBER OF LEDs	COLOUR TEMPERATURE / COLOUR	TYPICAL FLOODLIGHT OUTPUT FLUX (WHITE LEDs) / WATTAGE	DISTRIBUTION OPTIONS	MOUNTING & AIMING OPTIONS	INSTALLATION NOTES	ACCESSORIES	DRIVER & CONTROL OPTIONS
 <p><b>SCULPFlood</b></p>	<b>SCULPFlood 60</b> 32 LEDs	<b>MONO-CHROMATIC</b> Warm or neutral white LEDs Blue Other colours upon request	<b>SCULPFlood 60</b> 1,230 to 5,130lm (66W)	Intensive symmetrical 8° standard lenses Photometry is adjusted by external refractors to obtain:	Stirrup bracket as standard Degree indicators are marked to allow for precise adjustment Options: - post-top mounting bracket - ground spike - extension arm	In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	Anti-glare louvres (horizontal and vertical) Protection grid Barn doors ReFlex: external refractors	DMX 512 protocol with RDM feedback or DALI
	<b>SCULPFlood 150</b> 96 LEDs	<b>DYNAMIC</b> Tunable white RGCBCW	<b>SCULPFlood 150</b> 3,360 to 14,060lm (164W)	- other symmetrical light distributions: 16°, 30° and 64°; - various elliptical light distributions				


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 <p><b>SCULPdot</b></p>	<b>MONO-CHROMATIC</b> 16 LEDs <b>COLOUR VARIATION</b> 16 LEDs 1 multi-die LED (12 dies) for perfect colour mix	<b>MONO-CHROMATIC</b> Warm or neutral white LEDs Blue Other colours upon request	660 to 2,770lm (35W)	Intensive symmetrical 8° standard lenses Photometry is adjusted by external refractors to obtain: - other symmetrical light distributions: 12°, 16°, 30°, 54°, 64° and 72°; - various elliptical light distributions	Stirrup bracket as standard Degree indicators are marked for precise adjustment Options: - post-top mounting bracket - ground spike - extension arm	In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	Anti-glare louvres (horizontal and vertical) Protection grid Barn doors ReFlex: external refractors	DMX 512 protocol with RDM feedback or DALI
		<b>DYNAMIC</b> Tunable white RGCBCW						

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 <p><b>SCULPLINE</b></p>	<b>SYMMETRICAL</b> 10 or 40 LEDs/m	<b>MONO-CHROMATIC</b> Warm or neutral white LEDs Blue Other colours upon request	<b>SYMMETRICAL</b> 470 to 4,700lm/m (max 49W/m)	Symmetrical light distributions: 8°, 28° and 34° Elliptical 48°x10° and 140°x110°	Wall mount with bracket or ground recessed Optional extension arms for wall mount from 200mm to 300mm May also be integrated into architectural features	Driver and power supply are an external component that may be removed to a central location In/out control connector Mains power out to split connector Operating temperature from -20°C to 50°C	-	2 sizes of power supply DMX 512 protocol with RDM feedback or DALI
	<b>ASYMMETRICAL</b> 48 LEDs/m	<b>DYNAMIC</b> Tunable white RGCBCW	<b>ASYMMETRICAL</b> 5,000 to 6,100lm/m (max 56W/m)	Asymmetrical light distributions with LensoFlex®2 optics				

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 <p><b>TERRA MIDI LED</b></p>	<b>ILLUMINATION &amp; GROUND LIGHTING</b> 8, 16 or 24 LEDs	<b>ILLUMINATION &amp; GROUND LIGHTING</b> Warm, neutral or cool white LEDs <b>GROUND LIGHTING</b> Red, green or blue static LEDs	<b>ILLUMINATION</b> 800 to 4,230lm (9.9 to 38.9W)	<b>SYMMETRICAL</b> Narrow Medium Wide <b>ASYMMETRICAL</b> Large range of photometrical options (LensoFlex®2 optics)	Ground-recessed Static load resistance (glass version): <4,000kg With or without installation kit On-site adjustment of the inclination angle of the LED engine (8 or 16 LED versions only) Moon version (marking) with an aluminium or iron casted dome	Supplied pre-wired	-	Only available in static version

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NUMBER OF LEDs  
 COLOUR TEMPERATURE / COLOUR  
 TYPICAL FLOODLIGHT OUTPUT FLUX (WHITE LEDs) / WATTAGE  
 DISTRIBUTION OPTIONS  
 MOUNTING & AIMING OPTIONS  
 INSTALLATION NOTES  
 ACCESSORIES  
 DRIVER & CONTROL OPTIONS



**PONTO**

3 low-power LEDs  
 Warm, neutral or cool white LEDs  
 Amber or blue static LEDs  
 160 to 330lm (5W)  
 Narrow  
 Medium  
 Wide  
 Extra wide  
 Elliptical  
 Ground-recessed  
 Frosted glass version  
 With or without installation kit  
 Supplied pre-wired or with "QuickOn" connectors (optional)  
 Static load resistance: <2,000kg  
 With kit: a levelling system is provided to help position the crown above ground level  
 Without kit: the crown diameter is larger than the floodlight so it can be easily fitted into the ground  
 -  
 Only available in static version

280



**TRASSO**

11 LEDs/m  
 Warm, neutral or cool white LEDs  
 Red, green or blue static LEDs  
 660 to 1,010lm (14W)  
 Narrow  
 Medium  
 Wide  
 Ground recessed  
 With or without installation kit  
 Supplied pre-wired or with "QuickOn" connectors (optional)  
 Static load resistance: <1,000kg  
 With kit: a levelling system is provided to help position the finishing frame above ground level  
 Without kit: the finishing frame is larger so that the floodlight can be fitted into the ground  
 -  
 Only available in static version

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**ENYO**

**STATIC**  
 3 LEDs  
**DYNAMIC**  
 1 LED  
 Warm, neutral or cool white LEDs  
 Amber, red, green or blue static LEDs  
**STATIC**  
 Up to 310lm (5W)  
**DYNAMIC**  
 105lm (3W)  
 RGB  
 Narrow  
 Medium  
 Wide  
 By means of a small bracket for a variety of configurations: on a wall, the ground, a ceiling or suspended  
 Precise adjustment of the inclination angle  
 Supplied pre-wired for power and/or DMX signal  
 Anti-glare barn doors  
 Static current or dynamic versions controlled via DMX 512 protocol with RDM feedback

288



**BLOCO**

6 LEDs  
 Neutral white  
 Up to 250lm (8W)  
 Ground lighting and asymmetrical light distributions  
 Direct or indirect  
 Installation kit made of reinforced polypropylene available for each model of the Bloco range  
 -  
 -  
 Only available in static version

292



## The digital era of architectural lighting has opened up an infinite universe of creative opportunities.

To offer full scope solutions that enable elaborate and attractive scenarios to be created, Schröder provides the perfect combination of state-of-the-art LED floodlights and leading-edge control systems.

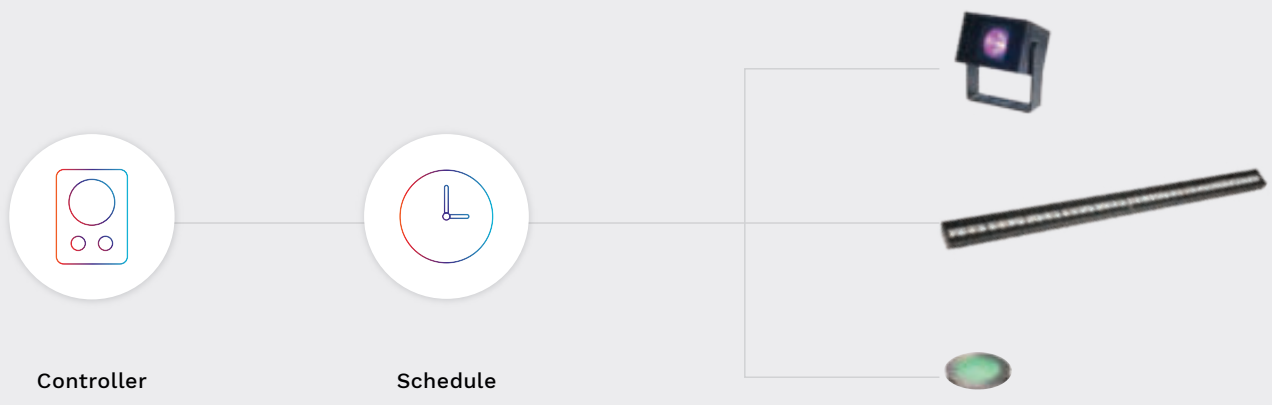
Our control solutions are based on the universal DMX protocol. On request, we can also support alternative protocols such as DALI or 0-10V.

We offer 3 different levels of solutions depending on the size and the complexity of your installation:

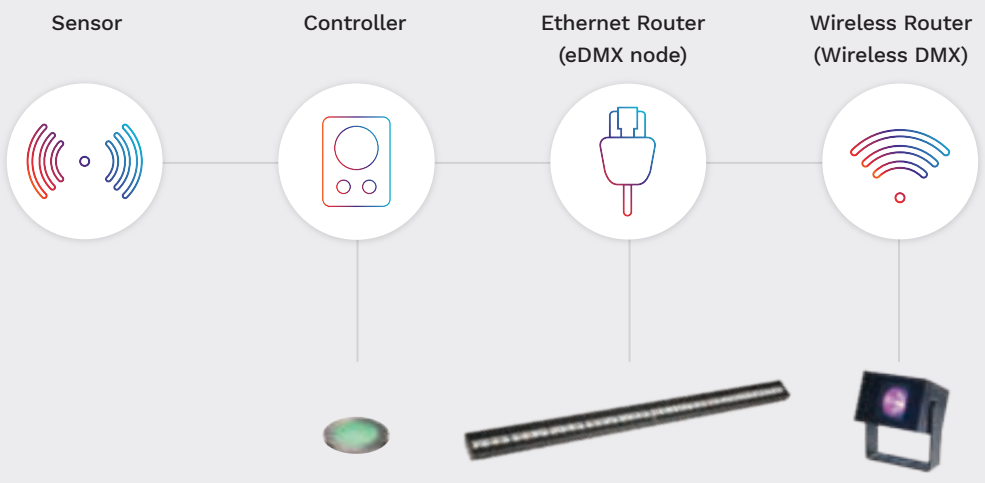
- BASIC: for small schemes with scheduled scenarios;
- ADVANCED: for larger schemes including interactivity and remote control;
- SMART: for complex scenarios on a large scheme that can be triggered by external sources thanks to additional sensors.

	BASIC	ADVANCED	SMART
<b>SCENARIOS</b>	<ul style="list-style-type: none"> <li>• Simple</li> <li>• Pre-programmed</li> <li>• Fixed scheduled timing</li> <li>• Basic interface</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced</li> <li>• To be developed with a lighting designer</li> <li>• Can be programmed in the factory or on-site</li> </ul>	<ul style="list-style-type: none"> <li>• Complex integrating music, video...</li> <li>• To be developed with a lighting designer</li> <li>• On-site programming</li> </ul>
<b>SCHEME</b>	<ul style="list-style-type: none"> <li>• Small network &lt; 1 DMX universe (&lt; 512 channels)</li> <li>• No external sensor or triggering</li> </ul>	<ul style="list-style-type: none"> <li>• Large network &gt; 1 DMX universe (&gt; 512 channels)</li> <li>• Additional network components such as splitters, repeaters, ...</li> <li>• Can be triggered by external sensors</li> </ul>	<ul style="list-style-type: none"> <li>• Large network &gt; 1 DMX universe (&gt; 512 channels)</li> <li>• Additional network components such as splitters, repeaters, ...</li> <li>• Can be triggered by external sensors</li> </ul>
<b>CONTROL SYSTEM</b>	Schröder endorsed solution: Nicolaudie	Schröder endorsed solutions: Nicolaudie or Pharos	Schröder endorsed solution: Pharos

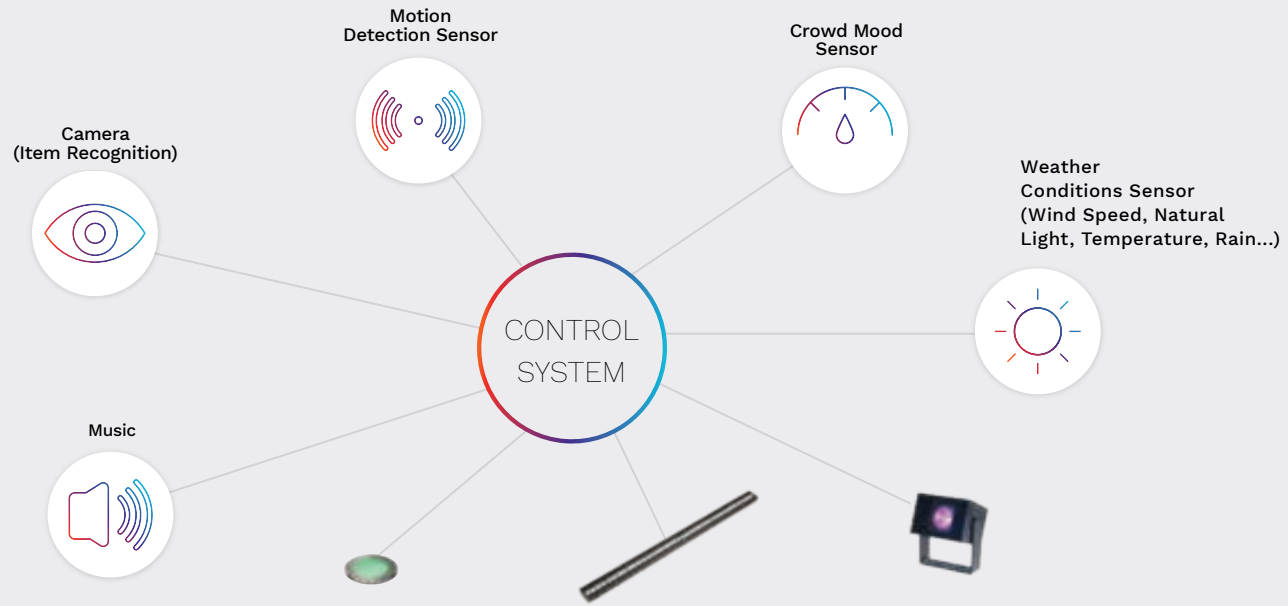
### Basic



### Advanced



### Smart



# SCULPflood

Powerful yet compact LED floodlights  
for large-scale architectural lighting





- 
- 
- 
- 
- 



SCULPFLOOD 60

SCULPFLOOD 150

**The SCULPflood range includes two power versions to provide the best solution for medium and large architectural structures including skyscrapers, bridges and stadiums.**

Compact and stylish, the SCULPflood range offers refined floodlights with a high-quality feel and finish. Available in two power versions, they provide a high degree of flexibility with an on-site adjustable photometry thanks to external refractors and a precise fine-tuning through brackets equipped with a degree angle inclination system.

These features help lighting designers to achieve the desired final result. For more flexible mounting options and to satisfy specific constraints (high environmental temperature for example), the driver and the power supply can be installed as external components.

### Key advantages

- Precise on-site photometric distribution via external refractor
- Discreet 4 colour LED solution or all-white
- Internal surge protection to shield the electronics from external surges and spikes on the supply
- Inclination angle indicated on bracket
- Wide range of operating temperatures from -20° up to 50°C

### Characteristics

SCULPflood	60	150
Typical luminaire output flux (white LEDs)	1,230 to 5,130lm	3,360 to 14,060lm
Power consumption	66W	164W
Colour temperature	Warm white (3000K), neutral white (4000K), cool white* (5700K), tunable white, blue (other static colours*) or RGBCW	
Light distributions	Symmetrical (8°-16°-30°-64°) and elliptical beams	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

\* only available as an option

### Main applications




BRIDGES

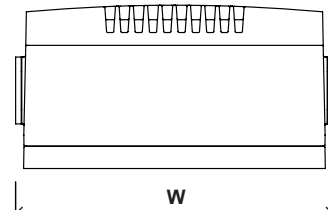
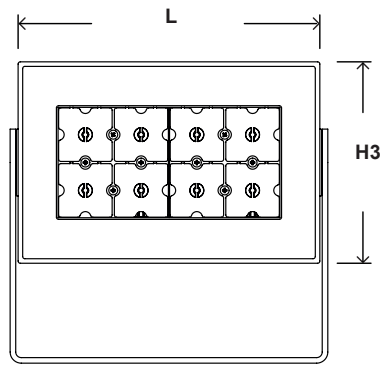
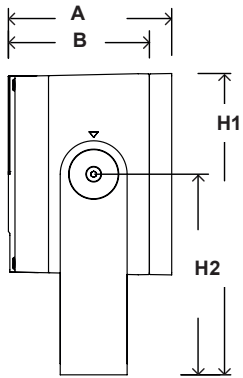


ACCENT & ARCHITECTURAL

# SCULPflood

## Dimensions

	SCULPflood 60	SCULPflood 150
A. With refractor	147mm   5.8"	94mm   3.8"
B. Without refractor	127mm   5"	74mm   2.9"
H1	270mm   10.6"	392mm   15.4"
H2	180mm   7"	230mm   9"
H3	181mm   7.1"	325mm   12.8"
L	271mm   10.7"	551mm   21.7"
W	285mm   11.2"	567mm   22.3"
 KG	8.5kg   18.7lbs	18kg   39.7lbs



## Materials & finish

Die-cast aluminium body.

Protector in tempered glass or polycarbonate.



# SCULPdot

Versatile spotlight for accent and architectural lighting





IP66

GLASS  
IK06

PC  
IK08

DALI

DMX  
512  
RDM



**Designed to enhance architectural details and to highlight landscape elements, the SCULPdot is a handy tool for a careful lighting design.**

Compact and elegant, the rectangular SCULPdot has a high-quality feel. It has been designed with no visible screws on the front of the frame. The floodlight combines multi-die technology and special lenses for a perfect colour mix.

Thanks to an external refractor, the beam can be easily adapted on-site. The refractor can mimic the soft-edged light distribution of an HID solution. In addition, the associated bracket offered with a degree angle indication system allows a precise adjustment. All these features ease the fine-tuning of the installation for an optimal final result.

For more flexible mounting options and to satisfy specific constraints (high ambient temperature for example), the driver and the power supply can be installed remotely.

### Key advantages

- Precise on-site photometric distribution via external refractor
- Wide range of operating temperatures from -20° up to 50°C
- Very good colour mixing at close distance with special lenses on multi-die LED technology
- Connections can be made without the need for stripping or special tools
- Inclination angle indicated on bracket

### Characteristics

	SCULPdot
Typical luminaire output flux (white LEDs)	660 to 2,770lm
Power consumption	35W
Colour temperature	Warm white (3000K), neutral white (4000K), cool white* (5700K), tunable white, blue (other static colours*) or RGBCW
Light distributions	Symmetrical (8°-12°-16°-30°-54°-64°-72°) and elliptical beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

\* only available as an option

### Main applications




BRIDGES



ACCENT & ARCHITECTURAL

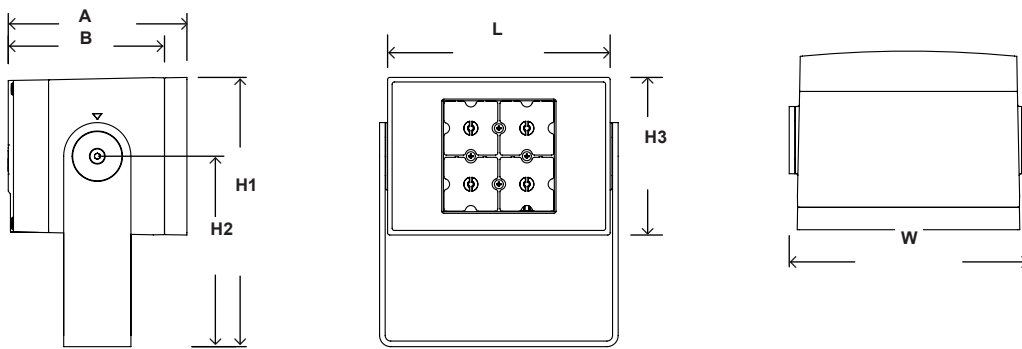
# SCULPdot

## Dimensions

A. With refractor	160mm   6.3"
B. Without refractor	140mm   5.5"
H1	240mm   9.4"
H2	170mm   6.7"
H3	141mm   5.5"
L	199mm   7.8"
W	213mm   8.4"
 KG	7kg   15.4lbs

## Materials & finish

Die-cast aluminium body.  
Protector in tempered glass or polycarbonate.





# SCULPline

Flexible wall washer for advanced architectural illumination







IP66

GLASS

IK 07

PC

IK 08

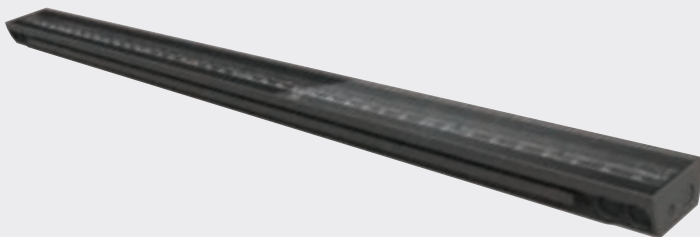
GROUND-RECESSED

IK 10

DMX

512

DALI



**The SCULPline is a modern floodlight offering a wall washer effect that can be used for façade or monument illumination.**

It can also be fitted in a handrail, a column or recessed. The available accessories enable lighting designers to sculpt the light to create a unique identity for monuments and buildings. It also ensures safety and well-being in the public space.

The SCULPline creates a warm ambiance while providing huge energy savings thanks to its performing LensoFlex®2 photometric engine. It offers a wide palette of colours and lighting effects. It can be controlled for dynamic colour variations and conditional triggering using the DMX protocol. The stylish yet discreet design ensures an easy integration.

The power supply can be located in a central cabinet to minimise the installation footprint on the façade.

Key advantages

- Elegant and compact design for minimum impact on architecture
- Front cover can be customised to perfectly integrate the environment
- Broad palette of colours and lighting effects/distributions
- Symmetrical and asymmetrical light distributions
- Variable number of LEDs from 10 up to 48LEDs/m
- Large range of mounting options
- Low energy consumption

Characteristics

SCULPline	
Typical luminaire output flux (white LEDs)	470 to 6,100lm/m
Power consumption	12W to 56W
Colour temperature	Warm white (3000K), neutral white (4000K), cool white* (5700K), tunable white, blue (other monochromatic colours*) or RGBCW
Light distributions	Symmetrical (8°-28°-34°), asymmetrical (LensoFlex®2) and elliptical (48°x10° and 140°x110°) beams
Nominal voltage	120-277V / 50-60Hz
Surge protection	10kV

\* only available as an option

Main applications




BRIDGES

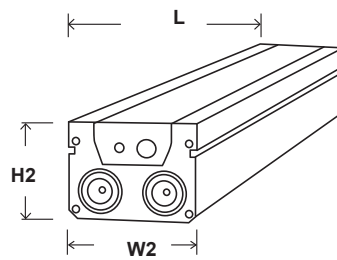
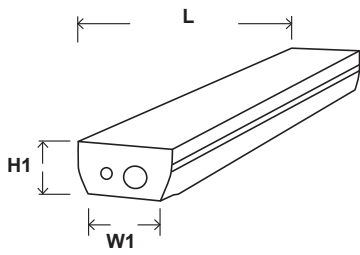


ACCENT & ARCHITECTURAL

# SCULPline

## Dimensions

	<b>SCULPline 1</b>	<b>SCULPline 2</b>
L	500mm   19.7"	1,000mm   39.4"
H1	34 - 40mm   1.3" - 1.6"	34 - 40mm   1.3" - 1.6"
W1	60 - 95mm   2.4" - 3.7"	60 - 95mm   2.4" - 3.7"
H2	80mm   3.1"	80mm   3.1"
W2	105mm   4.1"	105mm   4.1"
 KG	1.5kg   3.3lbs	3kg   6.6lbs



## Materials & finish

Extruded aluminium body, polycarbonate end caps, glass or polycarbonate protector with customisable (paintable) cover plate.





# Terra Midi LED

Powerful ground recessed floodlight for illumination and ground lighting





IP 68

IK 10



## Terra Midi LED is a ground recessed floodlight equipped with 8 to 24 high-power LEDs.

Fitted with lenses that offer various types of photometric applications from very concentrated to very diffuse beams as well as asymmetrical LensoFlex®2 lighting distributions, the Terra Midi LED is perfect for lighting façades of old and contemporary buildings, architectural details, statues and monuments, flags and banners, treetops, bridges, overpasses, etc...

An aluminium body with a round brushed stainless steel frame houses the electrical and electronic accessories as well as the photometric engine. The protector in tempered glass with a thickness of 15mm is capable of withstanding a static load of 4,000kg (glass version).

The Terra Midi LED is supplied pre-wired to facilitate its assembly and guarantee its high tightness level over time since it is not necessary to open the floodlight.

## Key advantages

- Numerous symmetrical and asymmetrical light distributions
- Precise on-site adjustment
- Extra-high tightness level (IP 68)
- High-quality and resistant materials
- Static load resistance <4,000kg (glass version)

## Characteristics

TERRA MIDI LED	
Typical luminaire output flux (white LEDs)	800 to 4,230lm
Power consumption	9.9 to 38.9W
Colour temperature	Warm white (3000K), neutral white (4000K), cool white (5700K), static red, green or blue LEDs
Light distributions	Symmetrical (16°-22°-36°-76°) or asymmetrical (105°-129°-140°-156°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications

ACCENT &  
ARCHITECTURAL

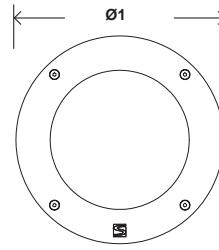
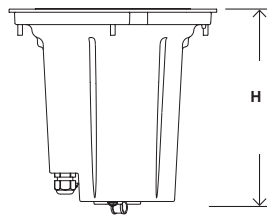
# Terra Midi LED

## Dimensions

### Illumination model

Ø1 270mm | 10.6"

H 255mm | 10"



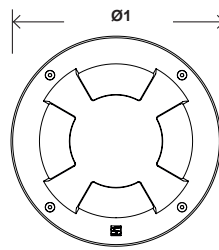
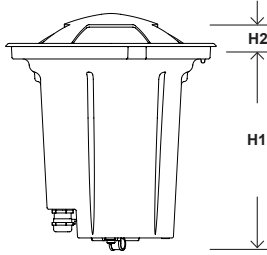
### Marking model

#### Symmetrical version

Ø1 270mm | 10.6"

H1 255mm | 10"

H2 33mm | 1.3"



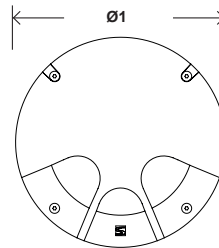
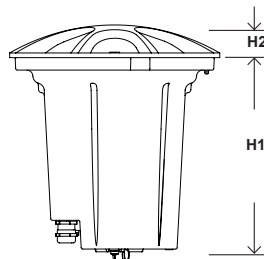
### Marking model

#### Asymmetrical version

Ø1 270mm | 10.6"

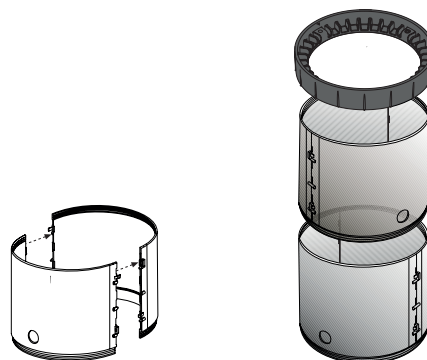
H1 255mm | 10"

H2 33mm | 1.3"



## Installation kit (optional)

For an easy installation, a formwork is offered, which consists of a reinforced PA collar that sits on top of a PVC tube. This tube is split into 4 sections to facilitate transportation and storage. A support bar is also included to ensure that the floodlight will be flushed to ground level once installed. The floodlight is fixed to the collar using 4 stainless steel screws.



## Materials & finish

Aluminium body with a brushed stainless steel finishing frame.  
Installation kit in synthetic material.



# Ponto

Various monochromatic static versions for illumination and ground lighting







IP 67

IK 10



### The Ponto is a recessed LED floodlight.

It provides a range of light distributions for a variety of solutions including lighting architectural elements or ground-lighting public or private areas.

The synthetic body, which houses the optical compartment, is reinforced with fibre glass and has a stainless steel finishing frame. The power supply is fitted in the body.

The 12-mm tempered-glass protector, with its high mechanical resistance, can withstand a static load of 2,000kg. Thanks to these different elements of mechanical design, the luminaire's IP 67 tightness level is maintained in the long term.

### Key advantages

- Illumination or ground-lighting version
- Different installation possibilities, with or without a kit
- Extra-high tightness (IP 67)
- Available with clear or frosted glass (option)
- High-quality and resistant materials

### Characteristics

PONTO	
Typical luminaire output flux (white LEDs)	160 to 330lm
Power consumption	5W
Colour temperature	Warm white (3000K), neutral white (4000K), cool white (5700K), static amber or blue LEDs
Light distributions	Symmetrical (10°-12°-20°-22°-26°-36°-38°-40°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

### Main applications



SQUARES & PEDESTRIAN AREAS




RAILWAY STATIONS & METROS

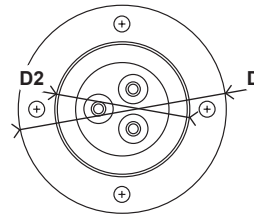
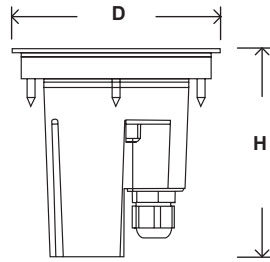


ACCENT & ARCHITECTURAL

# Ponto

## Dimensions

H	110mm   4.3"
D	110mm   4.3"
D2	70 mm   2.7"
 KG	0.45kg   1lbs

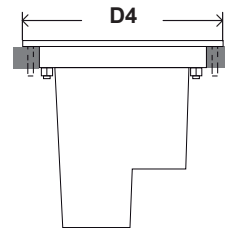


## Installation kit (optional)

### Without installation kit

The crown diameter is larger than the floodlight so it can be easily fitted into the ground.

D4 = diameter of crown: 130 mm/5.1"



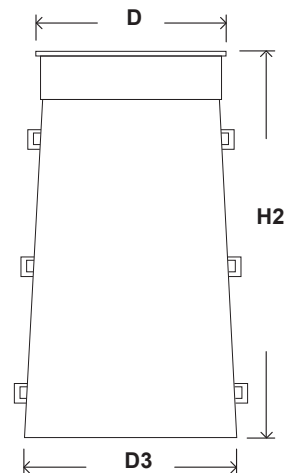
### With installation kit

If the floodlight is installed with its kit, a levelling system is provided to help position the crown above ground level.

H2 = height: 224 mm/8.8"

D = crown diameter: 110 mm/4.3"

D3 = maximum diameter of the kit: 135 mm/5.3"



## Materials & finish

Body in synthetic material reinforced with fibre glass.

Protector in tempered glass.

Brushed stainless steel finishing frame.

Installation kit in reinforced synthetic materials.



# Trasso

Recessed floodlights in various monochromatic static versions for illumination and ground lighting





IP 67

IK 10



**Trasso floodlights are a range of recessed LED luminaires. They are available in 3 different versions with 1, 2 or 3 modules in a continuous line.**

The range of light distributions offers a variety of solutions for lighting architectural elements or ground lighting public or private areas.

The synthetic body reinforced with fibre glass and a stainless steel frame, houses the optical compartment.

The power supply is fitted in a separate compartment. The 12-mm tempered-glass protector, with its high mechanical resistance, can withstand a static load of 1,000kg. Thanks to these different elements of mechanical design, the luminaire's IP 67 tightness level is maintained in the long term.

Optimal heat dissipation means that the luminous flux remains optimal throughout the floodlight's lifetime.

## Key advantages

- Line of 1 to 3 modules
- Illumination version with many symmetrical light distributions
- Ground-lighting version
- IP 67 tightness level, maintained over time
- Robust mechanical design: reinforced synthetic materials, stainless steel and tempered glass
- Various possibilities for installation, with or without an installation kit

## Characteristics

TRASSO	
Typical luminaire output flux (white LEDs)	660 to 1,010lm
Power consumption	14W
Colour temperature	Warm white (3500K), neutral white (4250K), cool white (5700K), static red, green or blue LEDs
Light distributions	Symmetrical (18°-22°-46°-112°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

## Main applications



SQUARES & PEDESTRIAN AREAS



RAILWAY STATIONS & METROS



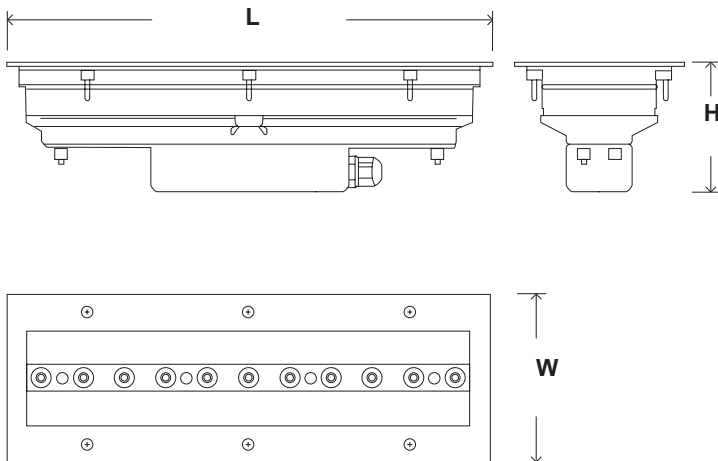
ACCENT & ARCHITECTURAL

# Trasso

## Dimensions

	1 module	2 modules	3 modules
H	96mm   3.8"	96mm   3.8"	96mm   3.8"
W	125mm   4.9"	125mm   4.9"	125mm   4.9"
L	361mm   14.2"	708mm   27.9"	1,055mm   41.5"
 KG	2.5kg   5.5lbs	5kg   11lbs	7.4kg   16.3lbs

### TRASSO - 1 MODULE



## Installation

### Without installation kit

W = crown width: 140mm/5.5"

### With installation kit

H = height: 103mm/4"

W2 = width: 125mm/4.9"



## Materials & finish

Synthetic body reinforced with fibre glass.

Stainless steel finishing frame.

Tempered glass protector, able to withstand a static load of 1,000kg.



# Enyo

Ultra-compact LED floodlight dedicated to architectural illumination and light accentuation

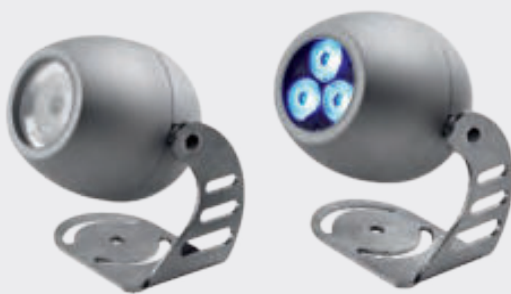






IP 67

IK 07

DMX  
512  
RDM

**The Enyo is a micro LED floodlight. It is offered in a static monochromatic or dynamic version, with a selection of light distributions from narrow to extensive.**

The Enyo floodlight is characterised by its extreme compactness and its perfect design.

It integrates into its architectural environment with elegance and total discretion.

A mounting bracket makes it possible to adjust and incline precisely the Enyo floodlight on-site. It can be mounted on a wall, on the ground, on a ceiling or be suspended.

The Enyo floodlight is totally waterproof: IP 67.

## Key advantages

- Ultra-compact floodlight
- Fluid aesthetic design
- Numerous light distributions
- Static (monochromatic) or dynamic (RGB) versions
- Robust mechanical design: aluminium, steel and glass

## Characteristics

ENYO	
Typical luminaire output flux (white LEDs)	Up to 310lm
Power consumption	5W
Colour temperature	Warm white (3000K), neutral white (4000K), cool white (5700K), static, amber, red, green or blue LEDs
Light distributions	Symmetrical for white LEDs (12°-18°-24°-30°-32°-38°-40°), symmetrical for coloured LEDs (17°-31°-41°) and elliptical white LEDs (18°x34°)
Nominal voltage	220-240V / 50-60Hz for static versions 12V for dynamic versions
Surge protection	10kV

## Main applications



BRIDGES

ACCENT &  
ARCHITECTURAL

# Enyo

## Dimensions

L1 96mm | 3.8"

L2 48mm | 1.9"

L3 92mm | 3.6"

H1 115mm | 4.5"

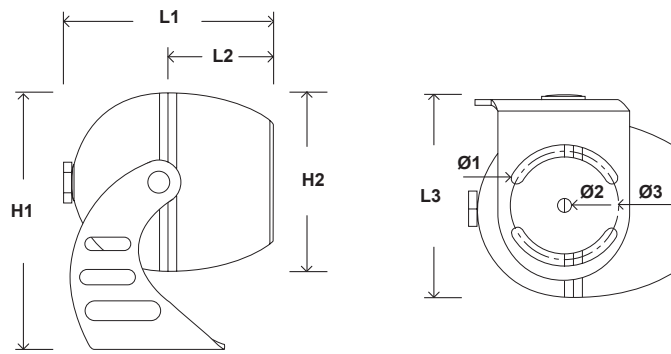
H2 80mm | 3.1"

Ø1 6mm | 0.2"

Ø2 7mm | 0.3"

Ø3 49mm | 1.9"

 0.7kg | 1.5lbs



## Monochromatic static version

- Extra narrow beam angle  
To create concentrated, sharp accents of light
- Narrow beam angle  
To create distinct and precise luminous accents
- Medium beam angle  
To create a moderately diffuse lighting effect
- Wide beam angle  
To create a diffuse lighting ambiance

## RGB dynamic version

- Narrow beam angle  
For light emphasis without dispersion
- Medium beam angle  
For a slightly diffuse lighting
- Wide beam angle  
For ambiance lighting characterised by a wide and uniform beam

## Materials & finish

Anodised aluminium body. Protector in tempered glass.



# Bloco

A versatile tool for marking the way  
and creating ambiance





IP 66

IK 08

IK 10



**The wall recessed Bloco range is characterised by the wide variety of models, photometric distributions and light sources available.**

Rectangular, circular or square, the Bloco perfectly integrates and complements any architectural setting.

The Bloco floodlight is composed of high-quality materials: a body and cover in painted die-cast aluminium alloy and a glass protector sealed to the cover. A silicone gasket guarantees the IP 66 tightness level.

### Key advantages

- Elegant and robust wall-mounted floodlights for direct or indirect lighting
- Several models and sizes
- High-quality and resistant materials
- Flexible installation
- High tightness level (IP 66)
- Easy to install

### Characteristics

BLOCO	
Typical luminaire output flux (white LEDs)	up to 250lm
Power consumption	8W
Colour temperature	Neutral white (4000K)
Light distributions	Symmetrical (110°) and asymmetrical (23°-33°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

### Main applications



SQUARES & PEDESTRIAN AREAS



CAR PARKS



RAILWAY STATIONS & METROS



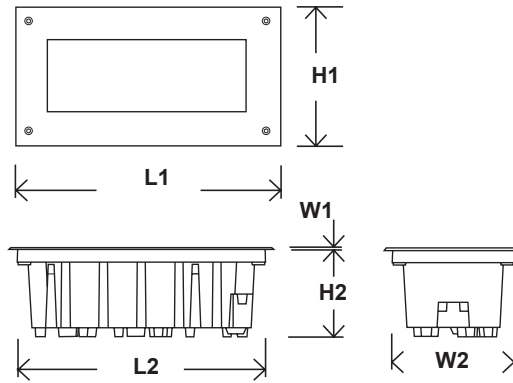
ACCENT & ARCHITECTURAL

# Bloco

## Dimensions

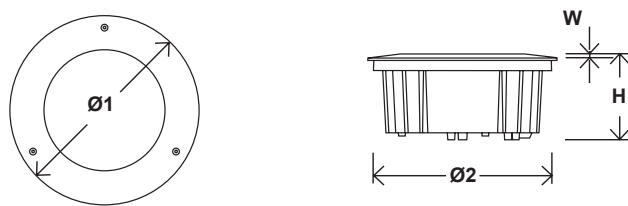
### Rectangular

L1	294mm   11.6"
L2	275mm   10.8"
H1	154mm   6"
H2	99mm   3.9"
W1	3mm   0.1"
W2	135mm   5.3"



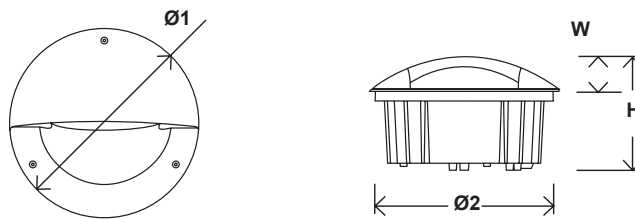
### Circular direct

ø1	255mm   10"
ø2	235mm   9.2"
W	8mm   0.3"
H	114mm   4.5"



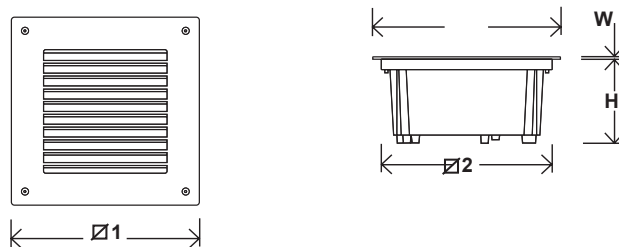
### Circular indirect

ø1	255mm   10"
ø2	235mm   9.2"
W	45mm   1.8"
H	150mm   5.9"



### Square

Ø1	235mm   9.2"
Ø2	214mm   8.4"
W	3.5mm   0.1"
H	108mm   4.2"



## Materials & finish

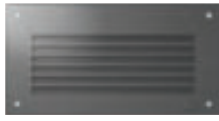
Painted die-cast aluminium body. Protector in tempered glass.

# Models and versions

Rectangular direct opal (IK 10)



Rectangular direct with grid (IK 10)



Rectangular indirect (IK 08)



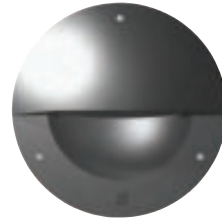
Circular direct opal (IK 08)



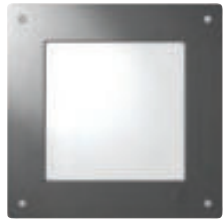
Circular direct with grid (IK 10)



Circular indirect (IK 10)



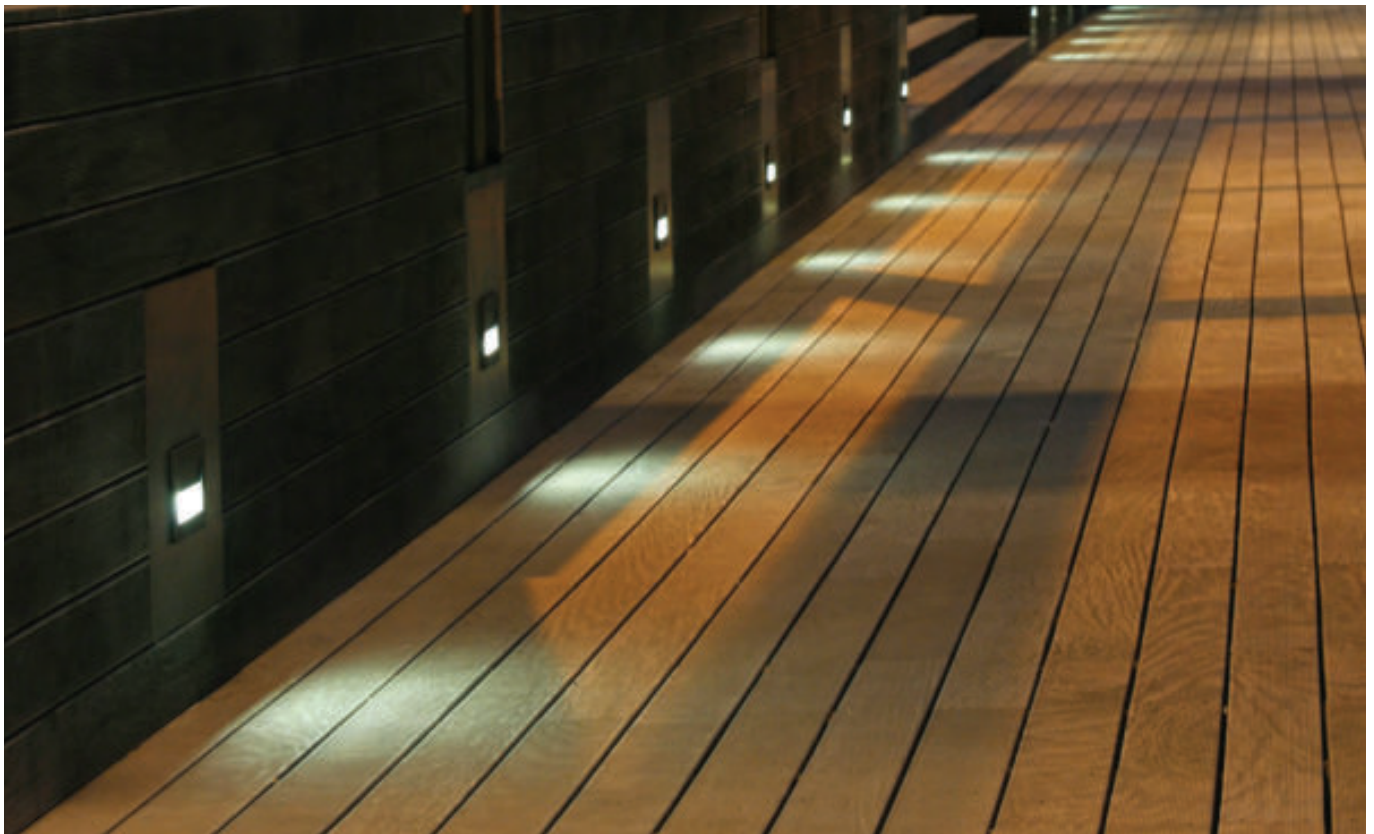
Square direct opal (IK 08)



Square direct with grid (IK 10)



Square indirect (IK 10)



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