



I S L A L E D



Schröder









# 4 - 6m



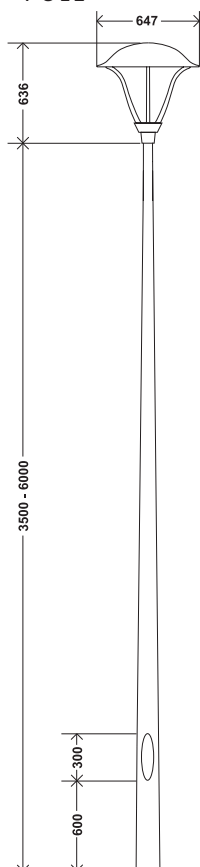
## A LIGHT AND ELEGANT LED SOLUTION FOR EVERYWHERE IN THE CITY

The LED-equipped Isla luminaire on a cylindrical conical, galvanised steel column is characterised by its lightness and elegance. It is particularly suited to lighting environments such as city centres, public squares, parks, residential areas or car parks.

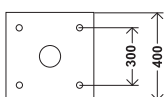
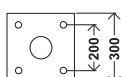
It is designed for installation at a height of 4 to 6 metres.

While providing high photometric performance, this ensemble, based on LED technology, offers the advantage of being a very economical solution.

### STRAIGHT POLE



### MOUNTING BASE





Design: Michel Tortel



## CHARACTERISTICS - LUMINAIRE

Tightness level:	IP 66 (*)
Impact resistance (glass):	IK 08 (**)
Aerodynamic resistance (CxS):	0,057 m <sup>2</sup>
Nominal voltage:	230 V - 50 Hz
Electrical class:	I or II (*)
Weight (empty):	9.5 kg

(\*) according to IEC - EN 60598

(\*\*) according to IEC - EN 62262

## KEY ADVANTAGES

- Low energy consumption
- LensoFlex®2 photometric engine with photometry adapted to various applications
- Elegant design for low height installation
- No light pollution (ULOR 0%)
- Robust materials
- FutureProof: easy replacement of the photometric engine and electronic assembly on-site
- Surge protection 10kV
- Designed to incorporate Owlet range of control solutions

## ELEGANT AND ECONOMICAL SOLUTION WITH LEADING-EDGE LED TECHNOLOGY

The Isla LED luminaire offers an economical lighting solution based on LED technology. This luminaire is available with 3 different power versions all characterised by low energy consumption for high-quality photometric performance: 16, 24 or 32 LEDs with a driving current of 350 or 500 mA.

Designed by Michel Tortel, the Isla LED luminaire presents an elegant design that perfectly integrates into many urban and residential environments.

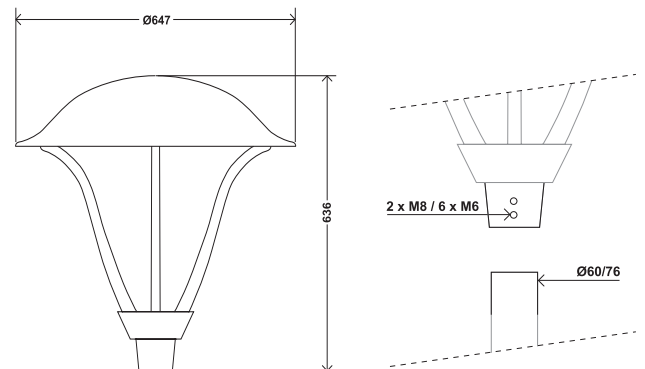
The Isla LED luminaire is composed of aluminium and glass.

Colour: grey AKZO 900 sanded

Any other RAL or AKZO colour upon request

## DIMENSIONS - MOUNTING

The Isla LED luminaire offers slip-over mounting onto a 60 or 76mm diameter pole by the tightening of 2 M8 screws or 6 M6 screws.



## AMBIANCE WITHOUT LIGHT POLLUTION

The Isla LED luminaire combines some of the significant advantages of this technology: low power consumption, a perfect control of light distribution, a long-lasting performance and a wide range of possibilities in terms of integrated intelligence. The optical compartment of the Isla LED is sealed by flat glass that offers the advantage of not producing intrusive light and of meeting the most demanding light pollution criteria (no emission of upper flux), thereby satisfying the needs for high-quality urban lighting.

## LENSOFLEX®2

The Isla LED luminaire is 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. This system 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. It is the number of LEDs in combination with the driving current that determines the intensity level of the light distribution.

## ENERGY SAVINGS OF UP TO 75%

The Isla LED luminaire integrates the latest cutting edge solutions. The combination of LED technology, a driver working within a constant flux system and a dimming system makes it possible to achieve energy savings that can reach 75% compared with luminaires equipped with traditional light sources. With this very favourable energy balance, the Isla LED luminaire contributes to the effective management of public finances and to the responsible use of energy.

## SMART LIGHTING

The Isla LED luminaires can integrate the Owlet range of control solutions to operate either in stand-alone mode, in an autonomous network or an interoperable network. Dimming scenarios and light-on-demand features including sensors can adapt the lighting to the real needs of the place and the time to ensure safety and well-being in the most sustainable way.

## FUTUREPROOF

The Isla LED luminaire has been designed to fulfill the FutureProof concept. Both the LED unit and the electronic assembly can be replaced to take advantage of any future technological developments.



PHOTOMETRY

Isla LED					Lifetime residual flux @ $t_0$ 25°C (**)
Number of LEDs	Neutral white (4000K)	16 LEDs	24 LEDs	32 LEDs	100,000 hours
Current: 350 mA	Nominal flux (lm)*	2400	3600	4800	90%
	Power consumption (W)	19	28	36	
Current: 500 mA	Nominal flux (lm)*	3100	4700	6300	
	Power consumption (W)	26	39	51	

(\*) The nominal flux is an indicative LED flux @  $t_0$  25°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire.

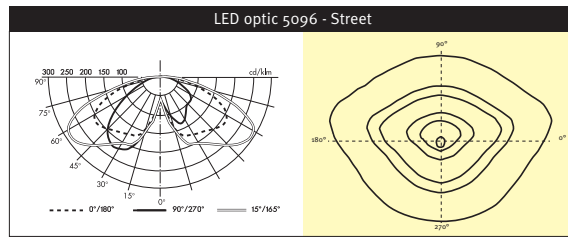
Nominal flux depends on the type of LED in use and likely to change in accordance with the continuous and rapid developments in LED technology.

To follow the progress of the luminous efficiency of the LEDs used, please visit our website.

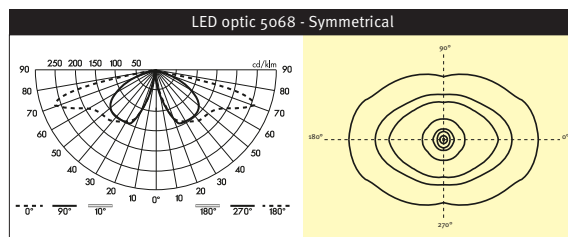
(\*\*) In accordance with IES LM-80 - TM-21.



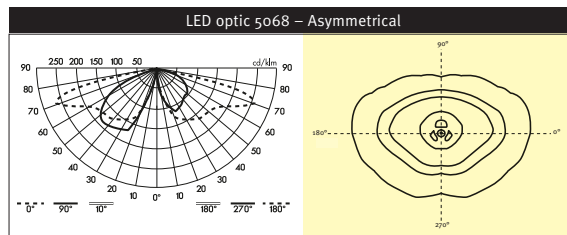
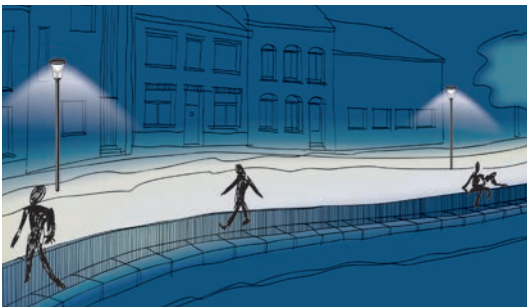
LIGHT DISTRIBUTIONS



Optic 5096 - street: a light distribution perfectly suited to lighting residential areas, streets and alleys.



Optic 5068 - square: this light distribution is designed for lighting squares, parks, car parks, public spaces, etc. Only available for 32 LED version.



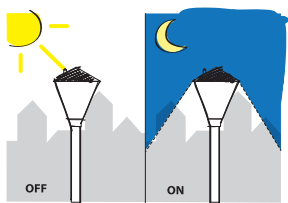
Optic 5068 - urban road: photometric distribution designed for lighting narrow streets, footpaths, cycle paths ...

## OWLET SOLUTIONS TO MAXIMISE SAVINGS

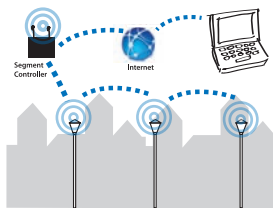
With Schröder's wide range of Owlet control solutions, your lighting scheme becomes intelligent. Our system approach allows you to use light in the smartest way, with the right level, in the right place and at the right moment. The Isla LED luminaires can integrate the Owlet range of control solutions to operate either in stand-alone mode, in an autonomous network or an interoperable network.

You save energy, lengthen the life of your lighting installation, reduce maintenance costs, enhance comfort and increase safety. Our range of solutions encompasses small areas to complete city networks in order to perfectly suit your requests and your targets in terms of savings.

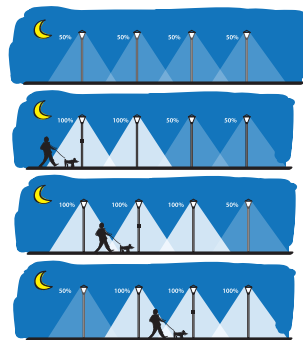
The Isla LED luminaire can operate with a photocell, a scheduled dimming system, a Constant Light Output (CLO) or a complete remote Owlet management system. It can also be equipped with a motion detection unit.



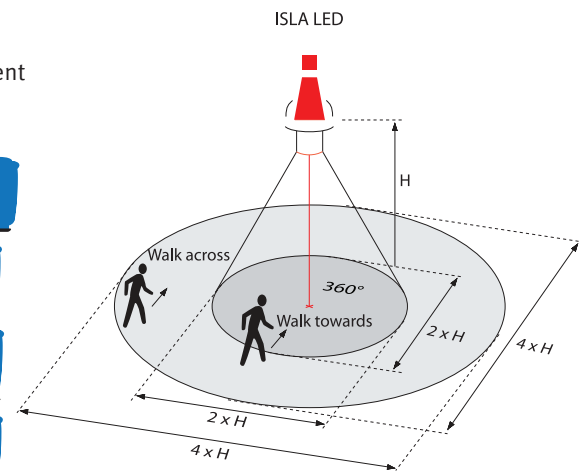
Photocell



Complete remote Owlet management system



Motion detection



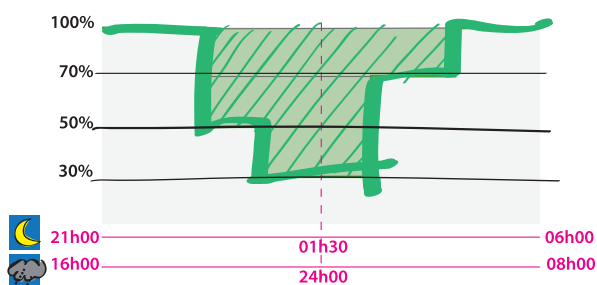
Detection zones

## FLEXIBLE SCHEDULED DIMMING

With intelligent ballasts incorporated in the Isla LED luminaire, we can help you to choose your own optimum dimming system.

The 5-level dimming programme ensures that you can adapt the lighting level to the needs of the place and the time. Intelligent ballasts work autonomously by taking switch-on and switch-off times as reference points.

This means that the system will adapt itself all through the year according to the seasons and the sunset/sunrise.





SAFETY



WELL-BEING



SUSTAINABILITY



SAVINGS



SOLUTIONS

