



# ZEN

Design luminaire: Eclatec

**ZEN**, the ideal pedestrian street light, serenely meets today's challenges.

Firstly, it uses known mechanical and optical principles that have proven their solidity and efficiency.

Furthermore, **ZEN** easily adapts to the specificities of communicating systems; the street light is even available in a **Smart-Ready®** version preconfigured to house most commercially available solutions, including, of course, the **ECLATEC WIZARD** system.

Finally, **ZEN** naturally complies with the limits imposed by the French decree of December 2018 designed to protect nocturnal contexts.

**ZEN** will support your projects over time, both simply and reliably.



INTEGRATED BLS STRIPS



ZEDLED C MODULE









ZEN - ZEDLED C



ZEN - BLS



## APPLICATIONS

- Mounting: top
- Car parks, parks and gardens, pedestrian paths, cycle paths.
- Recommended heights: 3,5 to 5 m

## DESCRIPTION

- Luminaire available in 3 levels:
  - 1E: Unique version for standard use
  - 2EA: Fixed settings for night dimming
  - 2EB: Fixed current setting at 700 mA, without options
  - 3E: Most efficient and customizable version
- Injected die cast aluminium bottom and canopy
- Clear (standard) or grey (option) frame, in polycarbonate
- Polyester powder coating 2150 sanded grey, RAL and other colours on the base and canopy are optional
- IP 66

- Sources ; 2 versions:

### ZEDLED C module:

- equipped with an **ORALENS** mono lens
- colour temperature: 4000 K and 3000 K

### BLS strips :

- equipped with **QUADRALENS** lenses
- colour temperature: 2400 K, 2700 K, 3000 K or 4000 K

- Grey colour central post
- IK 10 - 50 joules
- Class I or II
- Luminaire pre-wired in the factory (6 m)

## CITIZEN REFERENCE POINTS

- Materials used: Plastic 43%, Aluminium 36%, Steel 10%, Other 11%
- Complies with the RoHS directive
- High recyclability rate

## WATERPROOFING

- IP 66 waterproofing in accordance with the standard EN 60 529
- Extruded silicone gasket on the base, canopy and lower part
- Cable gland with anchoring device
- Breathing system with activated carbon filter

## MECHANICAL INTERFACES



- Post-top fastening on pole Ø 60/62 mm, with 4 screws
- For pole Ø 76 mm top, optional spigot C (see page 278)

		ZEN		
		1E ★	2E <sup>A/B</sup> ★★	3E ★★★
Mounting		Post-top fastening on pole Ø 60/62 mm and Ø 76 mm with optional spigot.		
Dimensions	Ø height	400 mm 639 mm		
Weight		8 kg		
Windage area		0,15 m²		
Colour (*RAL to be chosen)		RAL 7035	●	●
Specific LED sources	LED Module	ZEDLED C0 / C1	ZEDLED C0 / C1	ZEDLED C0 / C1 / C2
		2 BLS 12	2 BLS 8, 2 BLS 12	2 BLS 8, 2 BLS 12
	Very high Efficiency LED	● ZEDLED C0 / 2 BLS 12	●	●
	High Efficiency LED	● ZEDLED C1	-	-
Sources access		Removable LED sources		
Colour temperature	3000 K	●	●	●
	4000 K	●	●	●
Optics and light distribution options		ORALENS		
		ERS, ERL	ERS, ERL, LRM, ECL	
		QUADRALENS		
		ERS, ERL	ERS, ERL, ECa, ERE, ETS, LRS, LRL	
Power supply current (mA)		700 mA	A: ANF* B: 700 mA	100 à 700 mA
OPTIONS	Backlight shield <sup>(1)</sup> (factory or site assembly)	○	○	○
	SMART-READY® (2) by Eclatec (construction)	-	-	○
	DALI (construction)	-	-	○
	Dimming 5 (construction)	-	-	○
	CLO (preset)	-	-	○
	Motion COM (setting on site)	-	-	○
	Motion P (set in the bottom of the pole)	-	-	○
	POLEDRIVE (set in the bottom of the pole)	-	-	○
Driver protection	10 kV	-	-	●
	8 kV	-	●	-
	4 kV	●	-	-
Class	Class I	-	●	●
	Class II	●	●	●
Pre-wired		●	●	●
Mechanical interfaces	Top covering Ø 60/62 mm	●	●	●
	Top penetrating Ø 76 mm	-	○	○

\* ANF: Unique program for driver, Fixed Night Dimming: 23 h – 5 h at 350 mA and 700 mA for the remaining time

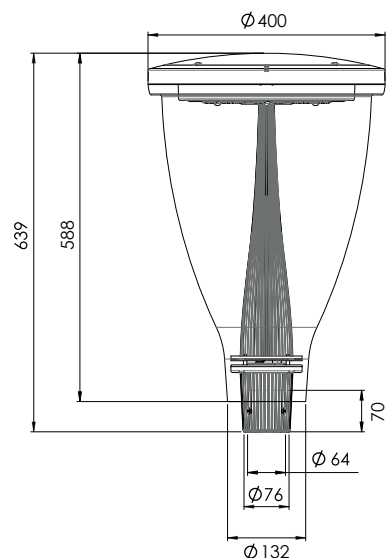
(1) Backlight shield except for EPD, EPG, ECa

(2) Preconfigured communicating system: Wired Sensor Ready type driver and Zhaga consortium base

Glossary:

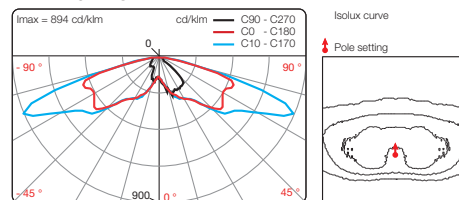
• Standard ○ Option - Not available

E/L/P: Lighting/Luminance/Projection, R/C/T/F/P: Road/Circulation/Path/Beam/Pedestrian walkway, E/S/L/A/D/G: Narrow/Standard/Wide/Asymmetric/Right/Left, **POLEDRIVE**: preset at the bottom of the pole / night dimming calculator with 2 configurable thresholds, set in the bottom of the pole, **Dimming 5**: night dimming calculator with 5 configurable thresholds, **Motion**: moving sensor, **Motion P**: Configurable offset presence detector at the foot of the pole, **Motion DALI**: Detector integrated to the luminaire, adjustable at pole base, **Motion 5**: Motion sensor and dimming calculator, **Motion COM**: Wireless detection and communication, **DALI**: compatible with the DALI protocol, **CLO**: Constant Lumen Output option

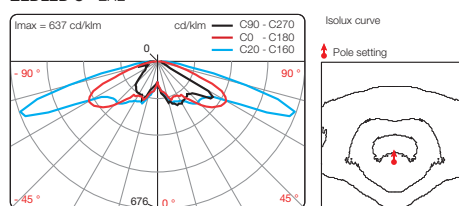


## PHOTOMETRIC DISTRIBUTIONS

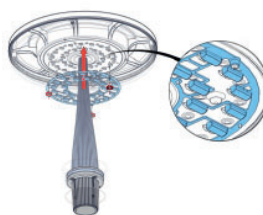
ZEDLED C - ERS



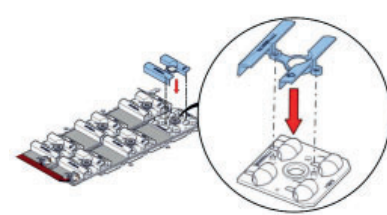
ZEDLED C - ERL



## BACKLIGHT SHIELD OPTION



Backlight shield ZEDLED version



Backlight shield BLS version

## MAINTENANCE

### Maintenance of the equipment and sources

Removal of the cover with 4 trapped screws.

The LED module can be exchanged after quick disconnection of the power supply.

Removable LED module.

