



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 ^{A/B} ★★	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, Ecα, ERE, ETS, LRS, LRL	
Power supply current (mA)		700 mA	A: ANF* B: 700 mA	100 à 700 mA
OPTIONS	Backlight shield ⁽¹⁾ (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

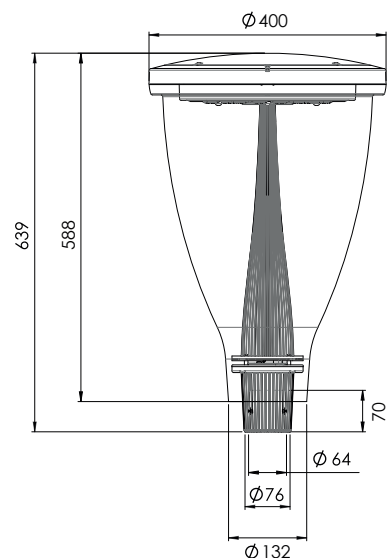
(1) Backlight shield except for EPD, EPG, ECa

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

Glossary:

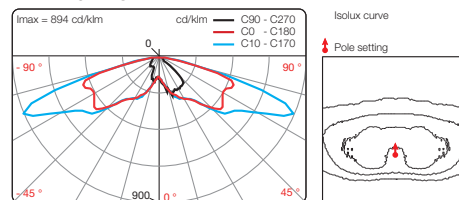
● Standard ○ Option - Not available

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

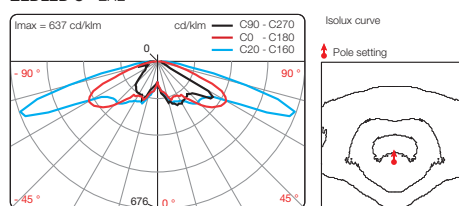


PHOTOMETRIC DISTRIBUTIONS

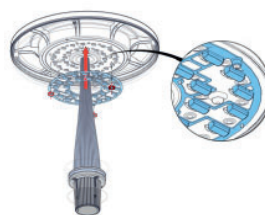
ZEDLED C - ERS



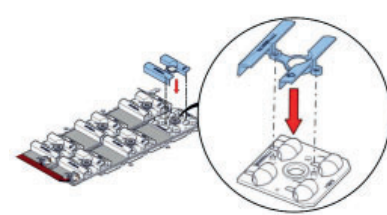
ZEDLED C - ERL



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.



LED Luminaires

Modern Streetfurniture

Waste bins

Bollards Light

tree grill

Bollards

Classic poles cast iron

Steel poles

MODERN POLES CAST IRON

Defence bollards

Drinking water fountain

SEATING

TRAMWAY POLES

Modern LED luminaires

Classic luminaires

Classic street furniture



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