



PIXEL

Luminaire design: STOA Architecture

The raw material of lighting is light. During the day, it is natural; it must be manufactured at night... the only reason for "lighting equipment" in a town: making light!

The **PIXEL** range offers:

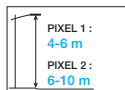
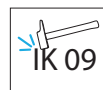
- a perfectly discrete sober and elegant design; so that during the day the design disappears into the surrounding vista;
- a wide choice of high quality luminaires suitable for various urban situations so that, during the night, the light emphasises the town;
- a technology that is economical in manufacturing, consumption and maintenance; to last a long time in the town, during the day as well as the night.



INTEGRATED BLS STRIPS

Stoa Architecture





PIXEL 1 - presented with moving sensor



PIXEL 2



APPLICATIONS

- Mounting: Top, bitop, side entry
- Pixel 1: Urban routes, pedestrian walkways, cycle paths and residential lighting.
Pixel 2: Roads, secondary urban and inter-urban streets
- Recommended heights: Pixel 1: 4 to 6 m / Pixel 2: 6 to 10 m

DESCRIPTION

- Luminaire available in 2 sizes: PIXEL 1 and PIXEL 2
- Body and frame in injected die-cast aluminium
- Silkscreen printed, thermally toughened flat glass
- Luminaire opens without tools
- Luminaire fixation top or lateral
- Polyester powder coating, any colour available
- IP 66
- IK 09
- Standard BLS LED strips equipped with **QUADRALENS** lenses
- Colour temperature: 2400 K, 2700 K, 3000 K or 4000 K
- Class I or II
- Luminaire pre-wired in the factory (6 m)

CITIZEN REFERENCE POINTS

- Materials used:
 - Pixel 1: Aluminium 63%, Other 22%, Glass 9%, Steel 5%, Plastic 1%
 - Pixel 2: Aluminium 65%, Other 19%, Glass 11%, Steel 4%, Plastic 1%
- Complies with the RoHS directive
- High recyclability rate

WATERPROOFING

- IP 66 waterproofing in accordance with the standard EN 60 529
- Extruded silicone gasket
- Cable gland with anchoring device
- Breathing system with activated carbon filter

MECHANICAL INTERFACES

- Top fixation, male fastening for pole Ø 60 - 62 mm
Penetration of 100 mm onto the pole
For pole Ø 76 mm top, optional spigot A (see page 278)
Luminaire tilted at 7°
- L: Side entry coupled with sleeve for tube (Ø 60 mm exterior) (see page 278 - E, F)
- L: side entry for rectangular tube (50x70 mm) (see page 278 - E, F)
- Pathway bracket with fastening plate
- Wall-mounted bracket



Top fixation



Side entry coupled with sleeve for tube



Side entry for rectangular tube



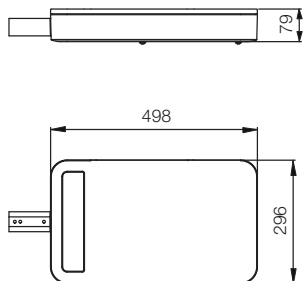
Wall-mounted bracket

MIRROR EFFECT OPTION

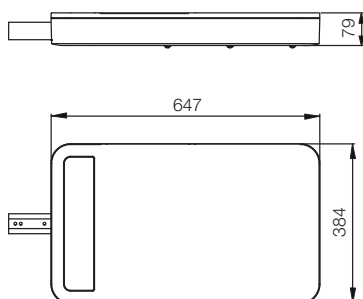


Without options

With blue reflecting mirror option



PIXEL 1



PIXEL 2

KEY POINTS

		PIXEL 1	PIXEL 2
Applications		Urban routes, pedestrian walkways, cycle paths and residential lighting.	Roads, secondary urban and inter-urban streets
Recommended heights		4 to 6 m	6 to 10 m
Mounting		Top, bitop, side entry	
Dimensions	Length	498 mm	647 mm
	width	296 mm	384 mm
		79 mm	79 mm
Weight		9 kg	12,5 kg
Windage area		0,06 m ²	0,08 m ²
Sources		BLS strips	
Sources access		Opens without tools by pressing the push-strip on the top casting. Direct access to the LED bars by removing the bowl	
Optics and light distribution options		QUADRALENS⁽¹⁾	
		ERS, ERL, ERE, LRL, ECa, LRS, PFA, ETS, EPD, EPG	ERS, ERL, ERE, LRL, LRS, PFA, ECa
OPTIONS	Backlight shield⁽¹⁾ (factory or site assembly)	○	○
	SMART-READY[®] (2) by Eclatec (construction)	○	○
	DALI (construction)	○	○
	Dimming 5 (preset)	○	○
	CLO (preset)	Compatible with standard version, Dimming 5, Motion 5 or DALI option	
	Motion 5 (preset)	○	-
	Motion (setting on site)	○	-
	Motion COM (setting on site)	○	○
	Motion DALI (set in the bottom of the pole)	○	-
	Motion P (set in the bottom of the pole)	○	○
	POLEDRIIVE (set in the bottom of the pole)	○	○

(1) Backlight shield optional except for EPD, EPG, ECA

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

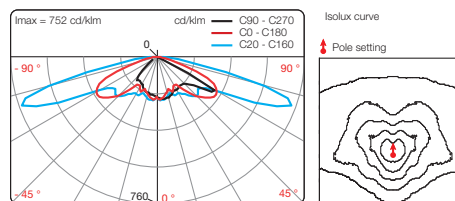
Glossary:

● Standard ○ Option - Not available

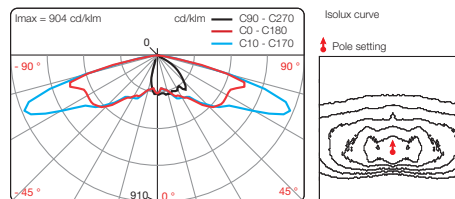
E/L/P: Lighting/Luminance/Projection, **R/C/T/F/P:** Road/Circulation/Path/Beam/Pedestrian walkway, **E/S/L/A/D/G:** Narrow/Standard/Wide/Asymmetric/Right/Left, **POLEDRIIVE:** preset at the bottom of the pole / night dimming calculator with 2 configurable thresholds, set in the bottom of the pole, **Dimming 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

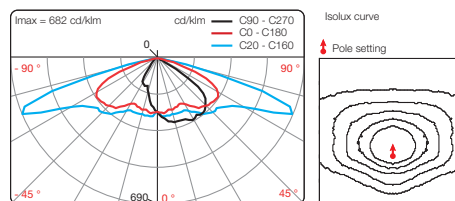
PIXEL - ERL



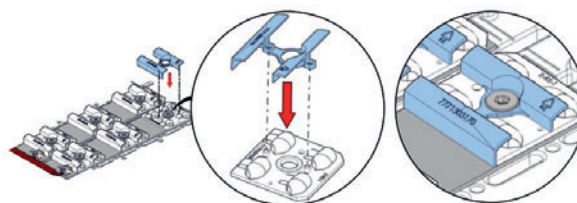
PIXEL - ERS



PIXEL - LRL



BACKLIGHT SHIELD



Backlight shield BLS version

MAINTENANCE

Opening and closing

Opens without tools by pressing the paddle on the top cover. {1}
Cutting of the power supply when the luminaire is opened. The cover is held open by a safety prop.

Lighting equipment maintenance

Direct access to the equipment {2}
Quick electrical disconnection without tools. Circuit board removable onsite without tools.

Source maintenance

Direct access to the BLS LED strips after removal of the bowl (4 or 6 attachment screws).





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