



SONATA

Luminaire design: ECLATEC

Primarily designed for bracket mounting on facades, **SONATA** has been designed like a light and discrete partition. Its lines, elusive and slender, melt with discretion into various urban scenario's. **SONATA** excels in narrow streets, mounted on brackets and thus without impact on pedestrian routes, **SONATA** lights roadways up to 9 metres wide.

SONATA is equipped with an integrated connection box and a reversible mounting base which adapts to various connection cases and therefore avoids ugly electrical connections.

Optionally, the upper face of **SONATA** can accept a retro-lighting module for facades, controlled by an astronomical clock where necessary, so as to comply with nocturnal shutoff regulations without requiring double cabling.

The **SONATA** luminaire is also suitable for pole mounting with an original mounting extending the pole upwards for 1 to 3 superimposed lights.



INTEGRATED BLS STRIPS



BACKLIGHTING



Sonata Top



Sonata with detector



Sonata O (backlighting)



SONATA wall-mounted



SONATA wall-mounted O



SONATA top



APPLICATIONS

- Mounting: wall-mounted, top
- Urban streets, pedestrian routes, cycle paths, residential lighting, town-centre, architectural emphasis
- Recommended heights: 4 to 6 m

DESCRIPTION

- Body, canopy and plate made of injected die-cast aluminium
- Silkscreen printed, thermally toughened flat glass
- Polyester powder coating, any colour available
- IP 66 / IK 10 / Class I or II
- Convertible wall-mounted plate for guiding cable from above or from the underside
- Standard BLS LED strips equipped with **QUADRALENS** lenses
- Colour temperature: 2400 K, 2700 K, 3000 K or 4000 K
- Option: protective device against overcurrent and short circuits and / or integrated fuse holder in the luminaire

BACKLIGHTING (VERSION O)

- op-mounted RGBW LED in the luminaire cover, adjustable from 0° to 10° with external setting.
- PC bowl
- Narrow or wide beam with ORALENS lenses
- Externally adjustable optical unit for more precise adjustment
- DMX control (through wiring with 2 extra dedicated cable glands), multitude of colours and variations
- Dedicated power supply: backlighting switched off programmatically (cf. decree of 25 January 2013 relating to the night lighting of non-residential buildings)

CITIZEN REFERENCE POINTS

- Materials used: Aluminium 65%, Other 16%, Glass 10%, Steel 8%, Plastic 1%
- Complies with the RoHS directive
- High recyclability rate

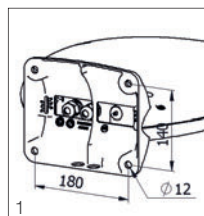
WATERPROOFING

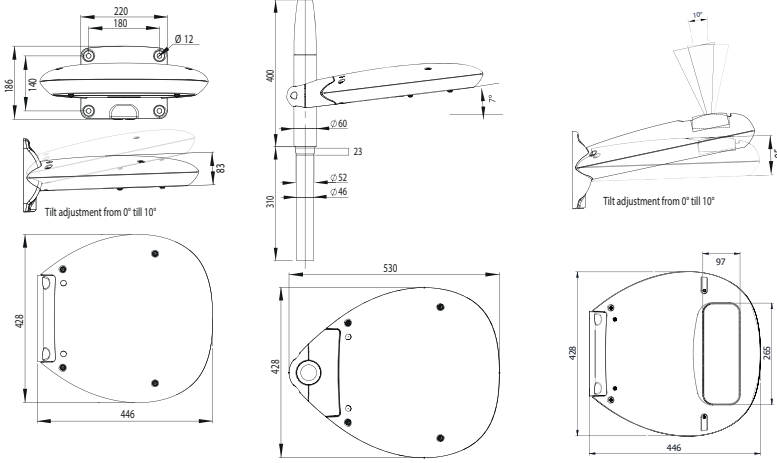


- IP 66 waterproofing in accordance with the standard EN 60 529
- Extruded silicone gasket
- 2 anchored cable glands (through wiring possible)
- Breathing system with activated carbon filter

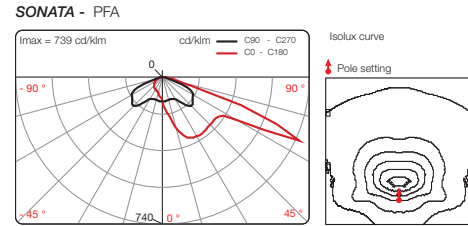
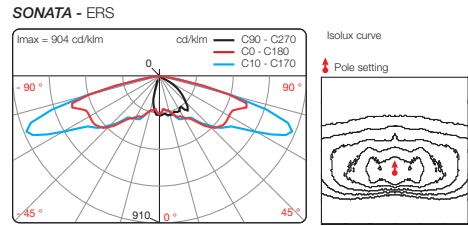
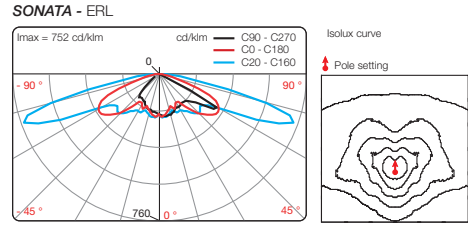
MECHANICAL INTERFACES

- {1} Wall-mounted bracket: 4 holes \varnothing 12 space between centers 180 mm x 140 mm
 - Tilt 0°, 2.5°, 5°, 7.5° and 10°
 - Luminaire tilted at 2°
- {2} Post top version with 1 to 3 arms: male bracket fastening \varnothing 60/ \varnothing 62 mm (see page 278)
 - Tilt 7°



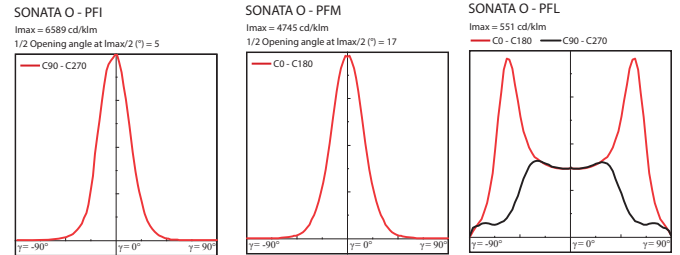


PHOTOMETRIC DISTRIBUTIONS

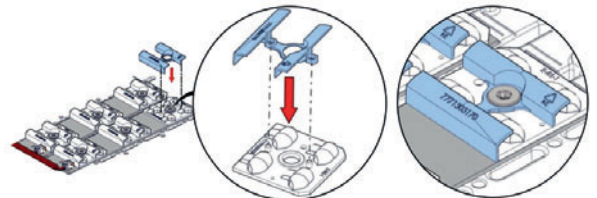


KEY POINTS

		SONATA	SONATA O
Applications		Urban streets, pedestrian routes, cycle paths, residential lighting, town-centre Only Sonata O: architectural emphasis	
Recommended heights		4 to 6 m	
Mounting		Top fixation 1 to 3 arms and wall-mounted bracket	wall-mounted bracket
Dimensions	Length	446 mm	446 mm
	width	428 mm	428 mm
	height	83 mm	95 mm
Weight		7,5 kg	
Windage area		0,05 m ²	
Sources		BLS strips	BLS strips + RGBW LED adjustable façade backlighting
Sources access		Direct access to the gear by removing the canopy fixed with 4 high-helix lead screws	Direct access to power units after removing cover fastened by 4 captive high helix screws
Optics and light distribution options		QUADRALENS ⁽¹⁾ : ERS, ERL, ECa, ERE, LRS, LRL, PFA, EPD, EPG, ETS	QUADRALENS ⁽¹⁾ : ERS, ERL, ECa, ERE, LRS, LRL, PFA, EPD, EPG, ETS Backlighting: PFI, PFM, PFL
OPTIONS	BACKLIGHTING	-	○
	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	Compatible with standard version, Dimming 5 or DALI option
	Motion 5 (preset)	○	-
	Motion (setting on site)	○	-
	Motion COM (setting on site)	○	-
	Motion P (set in the bottom of the pole)	○	○
Motion DALI (set in the bottom of the pole)	○	-	
POLEDRIVE (set in the bottom of the pole)	○*	○*	



BACKLIGHT SHIELD



Backlight shield BLS version

MAINTENANCE

Lighting equipment maintenance
 Direct access to the gear by removing the canopy fixed with 4 high-helix lead screws

Source maintenance
 Access to BLS strips and lenses after removal of the glass bowl attached with 4 screws.

RGBW retro-lighting module maintenance
 Quick electrical disconnection of the LED module without tools.
 Removable LED module (2 screws).

(1) Backlight shield optional except for EPD, EPG, ECa
 (2) Preconfigured communicating system: Wired Sensor Ready type driver and Zhaga consortium base
 * Pole base option for post top luminaires, inside the luminaire for the wall-mounted version

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



ECLATEC

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