



CHORUS

Luminaire design: ECLATEC

CHORUS exists by way of a disconcerting simplicity, without tricks, but also asserts itself beyond this apparent facility as the eye quickly recognises that its discretion is welcome.

Its silhouette avoids banality because of its reassuring balance; it holds the eye just as it should in the urban panorama, without exaggeration, by offering a catch-all relevance that is continually renewed.

CHORUS accepts **ORALED** modules 1 and 2 or **REOLED** modules 1 and 2. In X version, **CHORUS X** receives **XEOLED** modules 1 and 2.



ORALED MODULE



REOLED MODULE



XEOLED MODULE



INTEGRATED BLS STRIPS



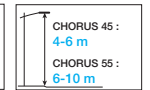
Chorus X on top spigot



Chorus on Kino bracket



Chorus on Alto bracket



CHORUS 45 With ORALED 1 module



CHORUS 55 With REOLED 2 module



APPLICATIONS

- Mounting: top, bitop and side entry
- Chorus 45: Pedestrian areas, cycle paths, residential areas, street lighting
Chorus 55: Roads, secondary urban and inter-urban streets
- Recommended heights: Chorus 45: 4 to 6 m / Chorus 55: 6 to 10 m

DESCRIPTION

- Luminaire available in 2 sizes: Chorus 45 and Chorus 55
- Body and frame in injected die-cast aluminium
- Spun aluminium dome
- Polyester powder coating, any colour available
- IP 66
- Class I or II
- 2 types of sources:
 - **ORALED** 1 and 2 modules :
 - equipped with an **ORALENS** mono lens in PMMA, IK 08, module colour grey 2150 sanded or 2900 sanded
 - colour temperature: 3000 K or 4000 K
 - **REOLED** 1 and 2 modules:
 - equipped with BLS with **QUADRALENS** lenses and PC bowl, IK 10, module colour grey 2900 sanded
 - colour temperature: 2400 K, 2700 K, 3000 K or 4000 K

CITIZEN REFERENCE POINTS

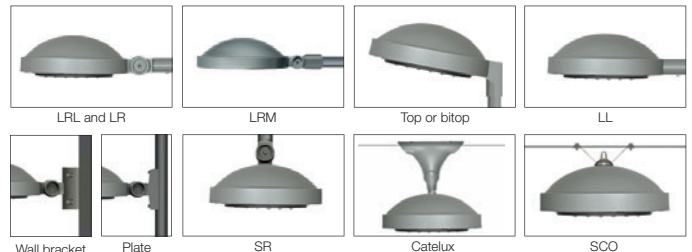
- Materials used:
 - Chorus 45: Aluminium 84%, Other 9%, Steel 4%, Plastic 3%
 - Chorus 55: Aluminium 86%, Other 7%, Steel 4%, Plastic 3%
- Complies with the RoHS directive
- High recyclability rate

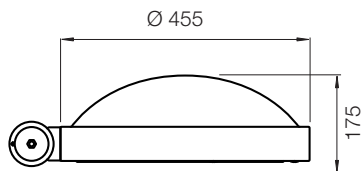
WATERPROOFING

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

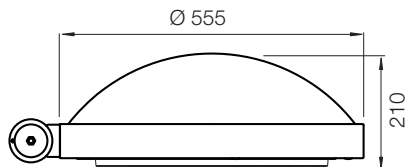
MECHANICAL INTERFACES

- LRL: Chorus Side entry with plain swivel joint coupled with sleeve for bracket end with external Ø 60 mm. Tilts from -90° to + 90° (see page 278 - E, F)
- LRM: Chorus Smooth Lateral Ball with wrapping sleeve for the end of the cross-arm Ø 60 mm and Ø 42 mm outside
- LR: Chorus side entry with swivel joint and Ø ¾" thread. Tilts from -90° to + 90° (see page 278 - G)
- Top or Bitop fitting for pole Ø 60/62 mm / l=100 mm
For pole Ø 76 mm top, optional spigot A (see page 278) Luminaire tilted at 0° and 10° (see page 278 - E, F)
- LL: Chorus side entry coupled with sleeve for bracket end with external Ø 60 mm (see page 278 - E, F)
- Chorus on cast aluminium plate (see page 278 - J)
- Chorus on cast aluminium wall bracket
- SR: Chorus suspended with swivel joint (see page 278 - H)
- CATELUX: Chorus with SM Ø 27 pdg (G3/4") fixation. Fixation on 5 to 14 mm diameter mechanical cable
- SCO: Chorus on catenary mounting. Fixation on 5 to 14 mm diameter mechanical cable

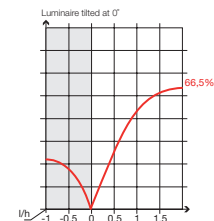
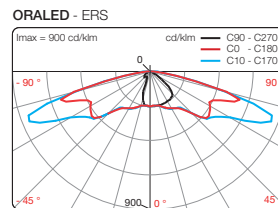
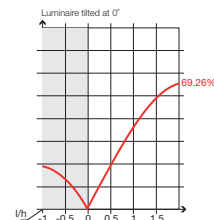
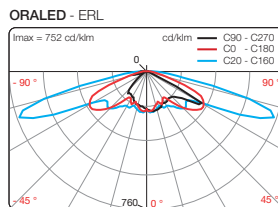




Chorus 45 - BLS STRIPS



Chorus 55 - ORALED



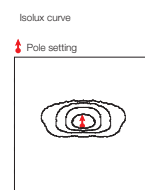
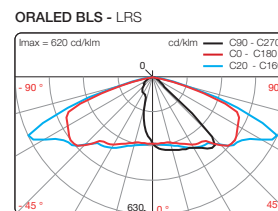
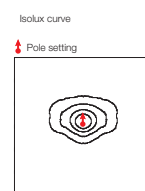
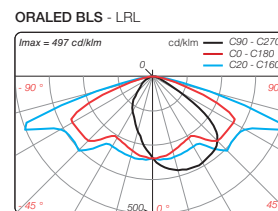
KEY POINTS

	CHORUS 45	CHORUS 55	
Applications	Pedestrian areas, cycle paths, residential areas, street lighting	Roads, secondary urban and inter-urban streets	
Recommended heights	4 to 6 m	6 to 10 m	
Mounting	Top, bitop and side entry		
Dimensions	\varnothing height		
	455 mm 175 mm / 158 mm	555 mm 210 mm / 193 mm	
Weight	9,9 kg	13,7 kg	
Windage area	0,07 m ²	0,09 m ²	
Sources	ORALED 1 REOLED 1	ORALED 2 REOLED 2	
Sources access	Removable ORALED and REOLED modules		
Optics and light distribution options	ORALENS: ECL, ERS, ERL, LRM QUADRALENS ⁽¹⁾ : ERS, ERL, ECa, LRS, LRL, ERE, ETS, PFA, EPD, EPG	ORALENS: ERS, ERL, LRM, LRE QUADRALENS ⁽¹⁾ : ERS, ERL, ERE, LRS, LRL, PFA, ECa	
Power supply current (mA)	100 to 700 mA		
OPTIONS	Backlight shield⁽¹⁾ (factory or site assembly)	<input type="radio"/>	<input type="radio"/>
	SMART-READY[®] (2) by Eclatec (construction)	<input type="radio"/>	<input type="radio"/>
	DALI (construction)	<input type="radio"/>	<input type="radio"/>
	Dimming 5 (preset)	<input type="radio"/>	<input type="radio"/>
	CLO (preset)	Compatible with standard version, Dimming 5, Motion 5 or DALI option	
	Motion 5 (setting on site)	<input type="radio"/>	-
	Motion (setting on site)	<input type="radio"/>	-
	Motion DALI (set in the bottom of the pole)	<input type="radio"/>	-
	Motion P (set in the bottom of the pole)	<input type="radio"/>	<input type="radio"/>
	Motion COM (setting on site)	<input type="radio"/>	<input type="radio"/>
POLEDRIVE (set in the bottom of the pole)	<input type="radio"/>	<input type="radio"/>	

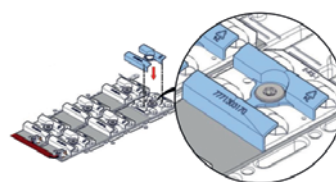
(1) Backlight shield optional except for EPD, EPG, ECa * Option only available with BLS STRIPS
 (2) Preconfigured communicating system: Wired Sensor Ready type driver and Zhaga consortium base. Be sure to hold the connector when installing the module

Glossary:
 Standard Option - Not available

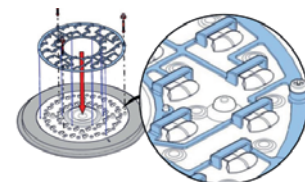
E/L/P: Lighting/Luminance/Projection, **R/C/T/F/P:** Road/Circulation/Path/Beam/Pedestrian walkway, **E/S/L/A/D/G:** Narrow/Standard/Wide/Asymmetric/Right/Left, **POLEDRIVE:** preset at the bottom of the pole / night dimming calculator with 2 configurable thresholds, set in the bottom of the pole, **Dimming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



BACKLIGHT SHIELD



Backlight shield BLS version



Backlight shield ORALED version

MAINTENANCE

Opening and closing

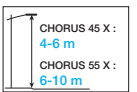
Opening of the luminaire by 3 quarter-turn screws. The module swivels around a hinge in aluminium.



LED module maintenance

Direct access to the module, removable. Power supply by quick connectors.





CHORUS 45 X



CHORUS 55 X



APPLICATIONS

- Mounting: top, high and lateral
- Chorus 45 X: Pedestrian areas, cycle paths, residential areas, street lighting
Chorus 55 X: Roads, secondary urban and inter-urban streets
- Recommended heights: Chorus 45 X: 4 to 6 m / Chorus 55 X: 6 to 10 m

DESCRIPTION

- Body, cover, flaps and module in injection moulded aluminium
- Bowl in thermally tempered glass
- Polyester powder coating, any colour available
- IP 66
- IK 10: Chorus 45 X / IK 08: Chorus 55 X
- Classe 1 or 2
- **XEOLED** 1 and 2 modules equipped with BLS with **QUADRALENS** lenses
- Colour temperature: 2400 K, 2700 K, 3000 K or 4000 K

CITIZEN REFERENCE POINTS

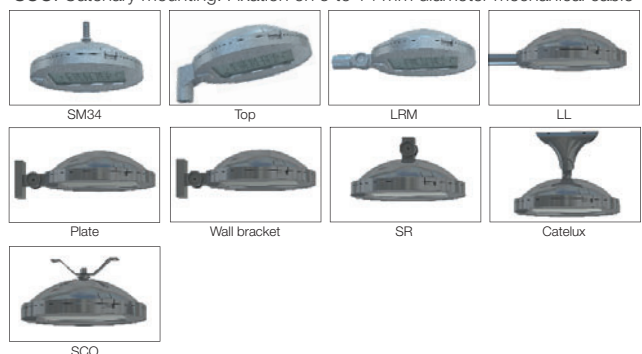
- Materials used:
 - Chorus 45 X: Aluminium 75%, Steel 8%, Glass 6%, Other 11%
 - Chorus 55 X: Aluminium 73%, Steel 5%, Glass 12%, Other 10%
- Complies with the RoHS directive
- High recyclability rate

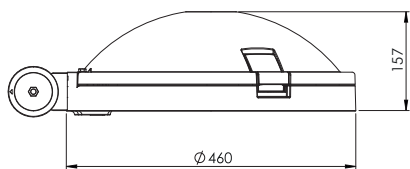
WATERPROOFING

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

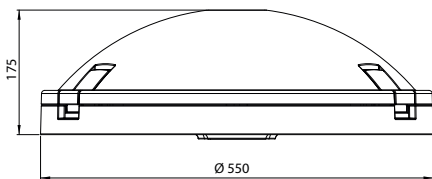
MECHANICAL INTERFACES

- SM34: High mounting for 34 Pdg ball
- TOP: wrapping for Ø 60/62 mm pole / l=100 mm
For standard Ø 76 mm pole, special tip available as an option
luminaire tilt at 0° and 10°
- LRM: Chorus X Smooth Lateral Ball with wrapping sleeve for the end of the cross-arm Ø 60 mm outside and Ø 42 mm
- LL: side entry coupled with sleeve for bracket end with external Ø 60 mm
- Cast aluminium plate
- Cast aluminium wall bracket
- SR: suspended with swivel joint
- CATELUX: SM Ø 27 pdg (G3/4") fixation. Fixation on 5 to 14 mm diameter mechanical cable
- SCO: Catenary mounting. Fixation on 5 to 14 mm diameter mechanical cable





CHORUS 45 X



CHORUS 55 X

KEY POINTS

	CHORUS 45 X	CHORUS 55 X	
Applications	Pedestrian areas, cycle paths, residential areas, street lighting	Roads, secondary urban and inter-urban streets	
Recommended heights	4 to 6 m	6 to 10 m	
Mounting	top, high and lateral		
Dimensions	\varnothing 460 mm height 157 mm	\varnothing 550 mm height 175 mm	
Weight	9,0 kg	12,5 kg	
Windage area	0,07 m ²	0,09 m ²	
Sources	XEOLED 1	XEOLED 2	
Sources access	Opening and replacement without tools of the equipment or the LED module		
Optics and light distribution options	QUADRALENS⁽¹⁾		
	ERS, ERL, ERE, ETS, ECa, LRS, LRL, PFA, EPD, EPG	ERS, ERL, ERE, LRS, LRL, 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 and DALI option	
	Motion P (set in the bottom of the pole)	○	○
	Motion COM (preset)	○	○
POLEDRIVE (set in the bottom of the pole)	○	○	

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

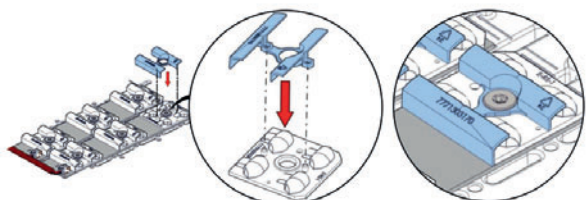
(2) Preconfigured communicating system: Wired Sensor Ready type driver and Zhaga consortium base

Glossary:

● Standard ○ Option - Not available

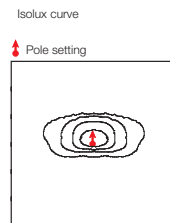
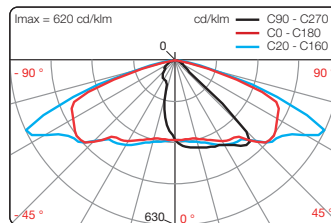
E/L/P: Lighting/Luminance/Projection, **R/C/T/F/P:** Road/Circulation/Path/Beam/Pedestrian walkway, **E/S/L/A/D/G:** Narrow/Standard/Wide/Asymmetric/Right/Left, **POLEDRIVE:** preset at the bottom of the pole / night dimming calculator with 2 configurable thresholds, **set in the bottom of the pole**,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

BACKLIGHT SHIELD

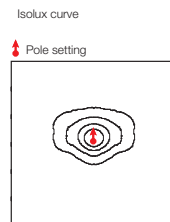
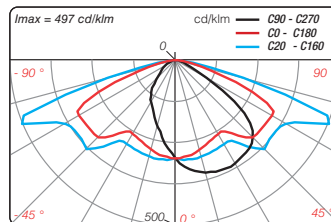


Backlight shield XEOLED version

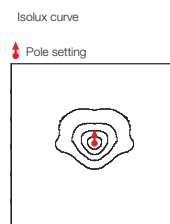
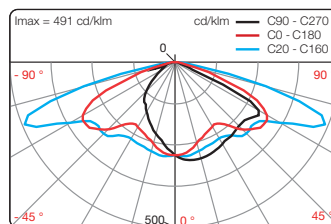
CHORUS X - LRS



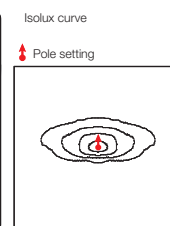
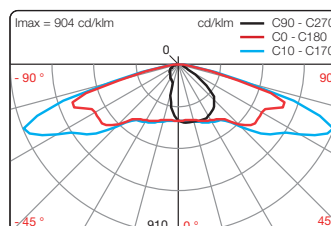
CHORUS X - LRL



CHORUS X - ERL



CHORUS X - ERS



MAINTENANCE

Opening and closing

The luminaire cover can be opened without tools using the 2 flaps {1}

The luminaire is held in the open position by a safety prop. {2}



Source maintenance

Automatic cutting of the power supply when the luminaire is opened by a dedicated ECLATEC connector

Quick electrical disconnection without tools.

Equipment circuit board removable onsite without tools

Complete LED module removable onsite without tools {3, 4}





ECLATEC

led verlichting

banken

afvalbakken

custom made producten

houten lichtmasten

stalen lichtmasten

solar verlichting

lichtzuilen

bandstand

boomroosters

plantenbakken

fietsrekken

klassieke lichtmasten

openbare verlichting

terrein verlichting

afzetzpalen

standbeelden

kunst

bollards

fonteinen

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