



DESCRIPTIF

Product name	CHORUS 45	CHORUS 55
Housing	Housing and frame in injected die-cast aluminium Spun aluminium dome	
Bowl	ORALED module: PMMA / REOLED module : PC	
Mechanical impact protection code	ORALED module: IK 08 / Module REOLED : IK 10	
Ingress Protection	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	
Mounting	<p>LRL: side entry with plain swivel joint coupled with sleeve for bracket end with external Ø 60 mm. Tilts from -90° to +90° / LRM: Elipt Smooth Lateral Ball with wrapping sleeve for the end of the cross-arm Ø 60 mm and Ø 42 mm outside / LR: Elipt side entry with swivel joint and Ø ¾" thread for female boss welded onto pole or bracket. Tilts from -90° to +90° / 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° / 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: with SM Ø 27 pdg (G3/4") fixation. 5 to 14 mm diameter mechanical cable / SCO: catenary mounting. 5 to 14 mm diameter mechanical cable</p>	
Dimensions	Ø455 x 175 mm	Ø555 x 210 mm
Weight	9,9 kg	13,7 kg
Windage area	0,07 m ²	0,09 m ²
Electrical class	Classe I or II	
Ambient temperature	- 40°C to + 55°C	

MAINTENANCE

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

SOURCES LED

Sources	ORALED (12 to 36 LED) / BLS Strips (8 to 72 LED)
Colour temperature (K)	2400 K, 2700 K, 3000 K, 4000 K (others upon request)
CRI	> 70 (others upon request)
Luminaire SDCM	<4
LED lifetime	L90 > 100 000 h
Optics and light distribution options	3 x symmetrical lenses (ECL, ECa, ECb) 7 x asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 3 x floodlight lenses (PFA, Psa, PAa) 2 x crossing lenses (EPG, EPD) 2 types of backlight shield (option)
Photobiology	RG1 (3000 K)

MAXIMUM PERFORMANCES (see annex for all LED modules options)

	CHORUS 45 ORALED - (26 LED)			CHORUS 55 REOLED - 6BLS12 (48 LED)		
	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)
4000 K	8995	56	161	20049	145	138
3000 K	8476	56	151	18892	145	130
2700 K	7838	56	140	17469	145	120
2400 K	7318	56	131	16312	145	113
2200 K	7067	56	126	15751	145	109
1800 K	3855	56	69	8592	145	59

(A) Output flux from the luminaire at commissioning (including thermal and optical yields compared to the Flux from sources) for given optics, maximal current and ambient temperature 25°C, as per IEC 62717 and IEC 62722 standards
(B) Total power absorbed by the luminaire including all electrical equipment, as per IEC 62717 and IEC 62722 standards.

DRIVER

Power	230 V / 240 V - 50 Hz / 60 Hz / pSurge protection 10Kv
Brand	Philips Xitanium Full Prog or OSRAM 4 DIM - D4I option (SR and DEXAL)
Power factor	90% minimum
Total harmonic distortion	15% max
Current	Dimmable current up to 1000 mA
Lifetime	10% failure at 100 000 hours
Control	DALI or 1-10V

SMARTLIGHTING (OPTIONS)

Smart-ready®	Pre-configuration, to connect communicating systems with Sensor Ready drivers, to a base in compliance with ZHAGA Book 18. NEMA 7-pin also available
Standalone solutions	Dimming calculator from 2 to 5 slots (Dimming 5, POLEDRIVE or POLEDRIVE Bluetooth) Presence detector (Motion P) Moving sensor combined with dimming calculator (Motion P) Constant Light Output (CLO) Adjustable driver (POLEDRIVE)
Local Network	Luminaires group: detection through ZIGBEE 3.0 communication protocol (Motion COM) or pilot wires.
Telemangement	WIZARD - ECLATEC

STANDARDS / MARKING / CERTIFICATIONS

Compliance	<p>CE marking requirements:</p> <ul style="list-style-type: none"> - Directive 2014/35/EU, Low voltage Directive - Directive 2014/130/EU Electromagnetic Compatibility - Directive 2011/65/EU Restriction of Hazardous substances (RoHS) - Directive 2009/125/EC Ecodesign requirements
NF EN 13201	In accordance with the lighting calculations issued.
REACH	Products conformity regulatory management of chemicals
WEEE	(Waste Electrical and Electronic Equipment) Manufacturer involvement

WARRANTY

According to our general sales conditions