



SMART (options)

Smart-ready® (ZD4i)	✓
Dimming	✓
Detection	✓
Moonlight technology	✓
Tunable white options	✓
WIZARD management system	✓

Details of the options and performance of each luminaire can be found in the ECLATEC LED solutions overview, which can be downloaded from our website: www.eclatec.com

DESCRIPTION

Product	ELIPT 45 X
Housing	Die-cast aluminium. Steel screws.
Bowl	Thermally toughened flat glass
Mechanical impact	IK 10
Ingress protection	IP 66 sealing level in accordance with EN 60 529 Extruded silicone gasket Cable gland with anchoring device Breathing system with activated carbon filter
Dimensions (diam. x h)	Ø 460 x 158 mm
Weight	9,1 kg
Windage area	0,07 m²
Electrical class	I or II
Ambient temperature	- 40°C to + 55°C
Pre-wired	In option
Material assessment	Available in the PEP Product Environmental Profile sheets

MECHANICAL INTERFACES

LRL: side entry with plain swivel joint coupled with sleeve for bracket end with external

LRM: Elipt Smooth Lateral Ball with wrapping sleeve for the end of the cross-arm Ø 60mm and Ø 42mm outside

LR: Elipt side entry with swivel joint and Ø 3/4" thread for female boss welded onto pole or bracket

Top/bitop: fitting for pole Ø60/62mm/ l=100mm. Fir pole Ø 76mm top, optional spigot A, Luminaire tilted at 0° and 10°

LL: side entry coupled with sleeve for bracket end with external Ø 60mm

Cast aluminium **plate**

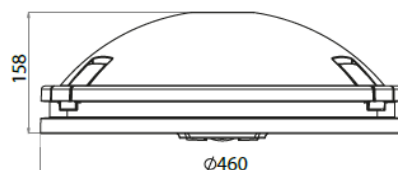
Cast aluminium **wall**

SR:suspended with swivel joint

CATELUX: with SM Ø 27 PDG fixation. 5 to 14mm diameter mechanical cable.

SCO: catenary mounting. 5 to 14mm diameter mechanical cable

HARD WIRED



LED SOURCES

Sources	XEOLED module (8 to 36 LED) Ambre/"1800 K" (U500=1%), 2200 K (U500=6%), 2700 K (U500=10%), 3000 K (U500=11%), 4000 K (U500=17%) (others on request)
Colour temperature (K)	
CRI	> 70 (others upon demand)
Luminaire SDCM	<4
LED lifespan	L90 > 100 000 h
Optics and light distribution options*	3 symmetrical lenses (ECL, ECa, ECb) 7 asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 3 floodlight lenses (PFA, PSa, PAa) 2 crossing lenses (EPG, EPD) 2 types of backlight shield (option)
Photobiology	RG1 (3000 K)

* Non exhaustive list

PERFORMANCES MAX.

	ELIPT 45 X_XEOLED 1_3 BLS12 (36 LED)		
	Flux ^(A) at 700 mA (lm)	Power ^(B) (W)	Efficiency (lm/W)
4000 K	11975	75	160
3000 K	11642	75	155
2700 K	10644	75	142
2200 K	9647	75	129
Ambre/ "1800 K"	7983	75	106

(A)Output flux from the luminaire at commissioning (including thermal and optical yields compared to the flux from other 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

MAINTENANCE

Maintenance

Tool free opening of the cover via 2 paddles. The luminaire is held in position by a safety lever-handle. Automatic power cut-off when the luminaire is open thanks to an ECLATEC switch. Fast, tool-free disconnection. Fitting plate removable on site without tools. Complete LED module removable without tools.



DRIVERS

Power	220 V / 240 V - 50 Hz / 60 Hz / integrated 10 kV overvoltage protection
Brand	PHILIPS Xitanium Full Prog ou INVENTRONICS OSRAM 4 DIM - Version D4i: SR, DEXAL ou TRIDONIC PRE
Power factor	90% minimum
THD	15% maximum
Current	Constant supply current adjustable up to 700mA* (in 1mA steps, within the nominal current range specified in the power supply data sheet)
Lifespan	10% failure at 100 000 hours
Protocol	DALI or 1-10V

* I>700mA on request

STANDARD / MARKING / CERTIFICATIONS

Compliance	CE, marking requirements :
	Directive 2014/35/EU, Low voltage Directive
	Directive 2014/130/EU Electromagnetic Compatibility
	Directive 2011/65/EU (RoHS)
Eligibility for Energy-saving certificates	Directive 2009/125/EC Ecodesign requirements
	French decree 'Limitation of light pollution' December 27, 2018
NF EN 13201	C.E.E, RES-EC-103, RES-EC 104 sheets
REACH	In accordance with the lighting calculations issued
WEEE	Products conformity regularoty management of chemicals
ECOSYSTEM	(Waste Electrical and Electronic Equipment) Manufacturer involvement
ENEC/ENEC+	ECLATEC, adhering member
	ENEC certified

WARRANTY

See our general sales conditions on our website