

SMART (options)

Smart-ready® (ZD4i)	✓
Dimming	✓
Detection	✓
Moonlight technology	✓
Tunable white	✓
WIZARD telemanagement	✓

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	STELIUM X1
Housing	Injection die-cast aluminum housing
Bowl	Articulated arch in injection-moulded aluminium Bowl in thermally tempered glass
Mechanical impact	IK 10
Ingress protection	IP 66 sealing level in accordance with EN 60 529
	Extruded silicone gasket
	Breathing system with activated carbon filter
	Cable gland Outer screws with a special corrosion protection
Dimensions (L x l x h)	649 x 320 x 95 mm
Weight	5,8 kg
Windage area	0,05 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

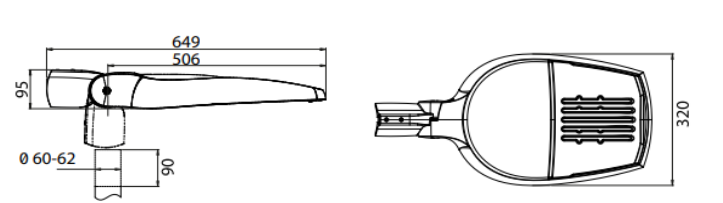
MECHANICAL INTERFACES

Top (60 and 76 mm)
Lateral (42, 49, 60 mm wrapping / 60 mm penetrating)
Pivoting sleeves:
Top: 0° to 20° in 5° steps
Lateral: 0° to -20° in 5° steps

MAINTENANCE

Maintenance	Tool-free opening of the groove. Direct access to power supply and BLS bars. Quick electrical disconnection without tools. Tool-free removable plate on site.
-------------	--

HARD WIRED



LED SOURCES

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

* Non exhaustive list

MAXIMUM PERFORMANCES

	STELIUM X1 - 3BLS12 (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



DRIVERS		STANDARD / MARKING / CERTIFICATIONS	
Power	220 V / 240 V - 50 Hz / 60 Hz / integrated 10 kV overvoltage protection	Compliance	<u>CE marking requirements :</u> Directive 2014/35/EU, Low voltage Directive Directive 2014/130/EU Electromagnetic Compatibility Directive 2011/65/EU (RoHS) Directive 2009/125/EC Ecodesign requirements French decree 'Limitation of light pollution' December 27, 2018
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)		Eligibility for Energy-saving certificates C.E.E, RES-EC-103, RES-EC 104 sheets
Lifespan	10% failure at 100 000 hours	NF EN 13201	In accordance with the lighting calulations issued
Control	DALI or 1-10V	REACH	Products conformity regularoty management of chemicals
* I>700mA on request		WEEE	(Waste Electrical and Electronic Equipment) Manufacturer involvement
		ECOSYSTEM	ECLATEC, adhering member
		ENEC/ENEC+	ENEC certified
WARRANTY			
See our general sales conditions on our website			