

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	TWEET NEO S2
Housing	Injection die-cast aluminum
Bowl	Polycarbonate
Mechanical impact	IK 10
Ingress protection	IP 66 sealing level in accordance with EN 60 529
	Extruded silicone gasket
	Anchored cable gland
	Breathing system with activated carbon filter
Dimensions	673 x 380 x 92 mm
	Weight 6,6 kg
Windage area	0,06m ²
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

Post top for pole Ø 60/Ø 62 mm x 70 mm and pole Ø 76 mm x 90 mm

Side entry: side female sleeve for Ø 60/Ø 62 mm x 100 mm (fastener kit available as an option)

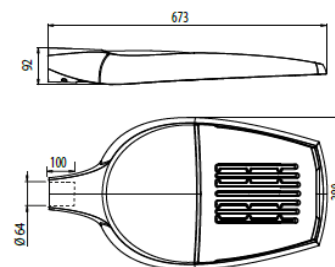
Post top bracket tilt 5°: female fastening for pole Ø 60/62 mm x 100 mm, Ø 42 mm and Ø 49 mm, For pole Ø 76 mm top, optional spigot A

Neck pillar bracket tilt 5°: male fastening for pole Ø 60/62 mm x 320 mm.
Luminaire tilted at 2°

MAINTENANCE

Maintenance Direct access to the power supply and BLS strips after removal of the bowl. (4 trapped screws.) Removable circuit board (retention line.)

HARD WIRED



LED SOURCES

Sources	Barrettes BLS (24 to 48 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)
SDCM Luminaire	<4
LED lifespan	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)
	6 x floodlight lenses (PFI, PFM, PFL, PFA, PSa, PAa)
	2 x crossing lenses (EPG, EPD)
Photobiology	2 types of backlight shield (option)
	RG1 (3000 K)

* Non exhaustive list

MAXIMUM PERFORMANCES

	TWEET NEO S2 - 4BLS12 (48 LED)		
	Flux ^(A) at 700 mA (lm)	Power ^(B) (W)	Efficiency (lm/W)
4000 K	15967	98	163
3000 K	15523	98	158
2700 K	14193	98	145
2200 K	12862	98	131
Ambre™1800 K"	10644	98	109

(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

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
Control	DALI or 1-10V

* I>700mA on request

STANDARD / MARKING / CERTIFICATIONS

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
Eligibility for Energy-saving certificates	French decree 'Limitation of light pollution' December 27, 2018
	C.E.E, RES-EC-103, RES-EC 104 sheets
	NF EN 13201
	In accordance with the lighting calculations issued
	REACH
WEEE	Products conformity regularoty management of chemicals
	(Waste Electrical and Electronic Equipment) Manufacturer involvement
	ECOSYSTEM
	ECLATEC, adhering member
	ENEC/ENEC+
	ENEC certified

WARRANTY

Mechanical parts	According to our general sales conditions
Electrical parts	According to our general sales conditions
Painting	According to our general sales conditions