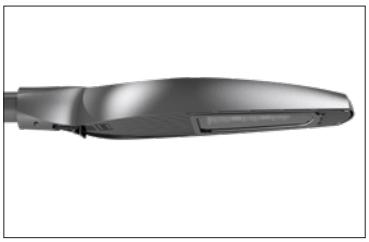
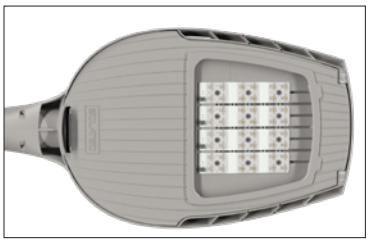
TWEET NEO X

23/03/21

DESCRIPTION

Product name	TWEET NEO X1	TWEET NEO X2
Housing	Injection die-cast aluminium housing	
Bowl	Injection die-cast aluminium articuled bottom plate and thermally toughened flat glass IK 10	
Mechanical impact protection code	IK 10	
Ingress Protection	IP 66 Extruded silicone seal Cable gland Outer screws with a special corrosion protection Breathing system with activated carbon filter	
Mounting	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°	
Dimensions	572 x 320 x 92 mm	673 x 380 x 92 mm
Weight	4,8 kg	6,6 kg
Windage area	0,05 m²	0,06 m²
Electrical class	I or II	
Ambient temperature	- 40° to + 55°	

MAINTENANCE

Maintenance	Opening without tools of the arch. Direct access to the power supply and BLS strips. Quick electrical disconnection without tools. Circuit board removable onsite without tools.

LED SOURCES

Sources	BLS Strips (8 to 48 LED)
Colour temperature (K)	2400 K, 2700 K, 3000 K, 4000 K
CRI	> 70 (others upon request)
Luminaire SDMC	<4
LED lifetime	L90 > 100 000h
Optics and light distribution options	3 x symetrical lenses (ECL, ECa, ECb) 7 x asymetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 6 x floodlight lenses (PFI, PFM, PFL, 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)

	TWEET NEO X1 - 3BLS 12 (36 LED)			TWEET NEO X2 - 4BLS 12 (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	9750	75	130	13001	98	133
3000 K	9454	75	126	12607	98	129
2700 K	8568	75	114	11425	98	117
2400 K	7829	75	104	10440	98	107
2200 K	7682	75	102	10243	98	105

(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.
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 Outpot (CLO) Adjustable driver (POLEDRIVE)
Local Network	Luminaires group: detection through ZIGBEE 3.0 communication protocol (Motion COM) or pilot wires.
Telemanagement	WIZARD - ECLATEC

STANDARDS / MARKING / CERTIFICATIONS

Compliance	CE marking requirements: - 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

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

This information may be modified, especially regarding LED ongoing evolution. Non Contractual Document.