



DESCRIPTION

Product name	TWEET Origin X1	TWEET Origin X2	TWEET Origin X3
	Available in 3 levels		
Housing	Injection die-cast aluminium body		
Bowl	Thermally toughened flat glass		
Mechanical impact protection code	IK 08		
Ingress Protection	IP 66 waterproofing in accordance with the standard EN 60 529 Extruded silicone gasket Cable gland with anchoring device 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 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 Neck pillar bracket tilt 5°: male fastening for pole Ø 60/62 mm x 320 mm. Luminaire tilted at 2°		
Dimensions	TOP : 554 x 320 x 116 mm LAT : 573 x 320 x 93 mm	673 x 380 x 95 mm	673 x 380 x 92 mm
Weight	4,5 kg	6,6 kg	8,5 kg
Windage area	0,05 m²	0,06 m²	0,07 m²
Electrical class	I or II		
Ambient temperature	- 40°C to + 55°C		

MAINTENANCE

Maintenance Opening without tools articulated bottom plate. 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 60 LED)
Colour temperature (K)	2200 K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request)
CRI	> 70 (others upon request)
Luminaire SDMC	< 4
LED lifetime	L90 > 100 000h
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 (PFL, 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 Origin X1 3BLS 8 (24 LED)			TWEET Origin X2 3BLS 12 (36 LED)			TWEET Origin X3 5BLS 12 (60 LED)		
	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)
4000 K	6075	53	115	9113	75	122	15187	123	123
3000 K	5891	53	111	8837	75	118	14727	123	120
2700 K	5339	53	101	8009	75	107	13347	123	109
2400 K	4879	53	92	7318	75	98	12196	123	99
2200 K	4787	53	90	7180	75	96	11966	123	97

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

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, depending on configuration
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, POLEDRIIVE or POLEDRIIVE Bluetooth) Presence detector (Motion P) Moving sensor combined with dimming calculator (Motion P) Constant Light Output (CLO) Adjustable driver (POLEDRIIVE)
Local Network	Luminaires group: detection through ZIGBEE 3.0 communication protocol (Motion COM) or pilot wires.
Telemangement	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
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