



DESCRIPTIF

Product name	TEO 45 X	TEO 55 X
Housing	Housing, cover and swivel joint in injected die-cast aluminium	
Bowl	Silkscreen printed, thermally toughened flat glass	
Mechanical impact protection code	IK 09	IK 08
Ingress Protection	IP 66 in accordance with the standard EN 60 529 Extruded pneumatic silicone gasket Cable gland with anchoring device Breathing system with activated carbon filter	
Mounting	LRL: side entry with plain swivel joint coupled with sleeve for bracket end with external Ø 60 mm. / LL: side entry coupled with sleeve for bracket end with external Ø 60 mm / Top: fitting for pole Ø 60/62 mm For pole Ø 76 mm top, optional spigot A. Luminaire tilted at 5°/ penetrating stirrup tilted at 5° for pole Ø 60 / 62 mm x 320 mm, h = 624 mm / Teo on cast aluminium plate	
Dimensions	Ø 435 x 90 mm	Ø 510 x 90 mm
Weight	8,6 kg	10,7 kg
Windage area	0,10 m ²	0,13 m ²
Electrical class	I or II	
Ambient temperature	- 40°C to + 40°C	

MAINTENANCE

Maintenance	Quick electrical disconnection without tools. Equipment circuit board removable onsite without tools Access to the LED sources after removing the bowl (holding line)
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SOURCES LED

Sources	ORALED (12 to 36 LED) / BLS Strips (8 to 72 LED)
Colour temperature (K)	ORALED: 3000 K, 4000 K BLS Strips: 2200 K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request)
CRI	> 70 (others upon request)
Luminaire SDMC	<4
LED lifetime	L90 > 100 000 h
Optics and light distribution options	ORALED: ECL, ERS, ERL, LRM, LRE BLS Strips: 3 x symmetrical lenses (ECL, ECa, ECb) 7 x asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 3 x floodlight lenses (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)

	TEO 45 X - ORALED (26 LED)			TEO 55 X - 6BLS12 (72 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	8478	56	151	18896	145	130
3000 K	8221	56	147	18324	145	126
2700 K	7450	56	133	16606	145	114
2400 K	6808	56	122	15174	145	105
2200 K	6679	56	119	14888	145	103

(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, POLEDRIIVE or POLEDRIIVE Bluetooth) Moving sensor (Motion, Motion P, Motion DALI) Moving sensor combined with dimming calculator (Motion P, Motion 5) Constant Light Output (CLO) Adjustable driver (POLEDRIIVE)
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
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