



DESCRIPTION

Product name	ITEM 500	ITEM 600
Housing	Die cast aluminium	
Plates	SMOOTH, HONEYCOMB or TRAUD plate	
Bowl	Thermally tempered and screen printed flat glass (VPC) Deep clear polycarbonate bowl (PHC), optional internal diffuser	
Finish	Polyester powder coating, any colour available	
Mechanical impact protection code	IK 10	
Ingress Protection	IP66 Extruded silicone gasket Cable gland with anchoring device Breathing system with activated carbon filter	
Mounting	<p>LL: Side entry coupled with sleeve for bracket end with external Ø 60 mm, LLM 60: Smooth lateral with covering sleeve Ø 60 mm, LR: Side entry with swivel joint and Ø ¾" thread for female boss welded onto pole or bracket, LRL: Side entry with plain swivel joint coupled with sleeve for bracket end with external Ø 60 mm, Top or bi-top: fitting for pole Ø 60/62 mm. For pole Ø 76 mm top, optional spigot A, LTO 60: Directional covering lateral top for Ø 60 mm, SM: Suspended with a threaded Nipple Ø 27 pdg (G3/4") and Ø 34 pdg, SR: Suspended with swivel joint, Wall mount and pad, U-bracket 1, 2 or 4 arms: penetrating tip for Ø 60 mm pole, PHC: post top fastening pole Ø 60/62mm, SM: suspended with threaded Nipple Ø 27 pdg and Ø 34 pdg</p>	
Dimensions (diam. x h)	500 x 103 mm U-bracket 1 arm 500 x 671 mm U-bracket 2 or 4 arms 500 x 701 mm PHC post top 500 x 758 mm PHC suspended 500 x 714 mm	600 x 103 mm - - - -
Weight	9,7 kg U-bracket 1 arm 10,3 kg U-bracket 2 arms 12,1 kg U-bracket 4 arms 12,4 kg PHC post top 11 kg PHC suspended 11,1 kg	12,2 kg - - - -
Windage area	0,04 m ² U-bracket 1 arm 0,06 m ² U-bracket 2 or 4 arms 0,07 m ² PHC post top 0,10 m ² PHC suspended 0,19 m ²	0,05 m ² - - - -
Electrical class	I or II	
Ambient temperature	- 40°C to + 55°C	

MAINTENANCE

Maintenance	The luminaire cover can be opened without tools using the 2 flaps. The luminaire is held in the open position by a safety stay. Quick electrical disconnection without tools. Circuit board removable onsite without tools. Access to the LED sources after removal of the bowl.
--------------------	--

LED SOURCES

Sources	ORALED type (12 to 36 LED) / BLS Strips (8 to 72 LED)
Colour temperature (K)	ORALED: 3000 K, 4000 K BLS Strips: Amber, 2200 K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request)
CRI	> 70 (others upon request)
Luminaire SDCM	<4
LED lifetime	L90 > 100 000 h

Optics and light distribution options	<p>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)</p>
Photobiology	RG1 (3000 K)

MAXIMUM PERFORMANCES (SEE ANNEX FOR ALL LED MODULES OPTIONS)

	ITEM 500 - BLS (36 LED)			ITEM 600 - BLS (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	10398	75	139	20049	145	138
3000 K	9799	75	130	18892	145	130
2700 K	9061	75	121	17469	145	120
2400 K	8461	75	113	16312	145	112
2200 K	8170	75	109	15751	145	109
1800 K	4456	75	59	8592	145	59

(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) Motion sensor (Motion, Motion P, Motion DALI, MD) Motion sensor combined with dimming calculator (Motion P, Motion 5, MD) Constant Light Output (CLO) Adjustable driver (POLEDRIIVE)
Local Network	Luminaires group: detection through ZIGBEE 3.0 communication protocol or pilot wires.
Telemanagement	WIZARD - ECLATEC

STANDARDS / MARKING / CERTIFICATIONS

Compliance	<p>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</p>
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

According to our general sales conditions