



DESCRIPTION

Product name	CORTO
Housing	Spun aluminium
Decorative design	Cut aluminium
Finish	Polyester powder coating finish, choice of colours
Bowl	In polycarbonate
Mechanical impact protection code	IK 10
Ingress Protection	IP 66 as per the EN 60 529 standard Extruded silicone seal The luminaire 'breathes' through a membrane filter
Mounting	Suspended with Ø 27 PDG swivel joint for female bossing welded to the bracket / SCO : catenary fixture - Fixture on 5 to 14 mm mechanical cable / CATELUX : SM Ø 27 PDG fixture - Fixture on 5 to 14 mm mechanical cable
Dimensions (diam. x h)	415 x 140 mm
Weight	5.9 kg
Windage area	0.04 m ²
Electrical class	I or II
Wiring	Luminaire pre-wired
Ambient temperature	-40°C to +40°C

MAINTENANCE

Maintenance	Separate ZEDLED 1 module, removable once the decorative module is removed.
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LED SOURCES

Sources	BLS Strips (8 to 36 LED)
Colour temperature (K)	2200K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request)
CRI	> 70 (others upon request)
Luminaire SDMC	<3
LED lifetime	L90 > 100 000h
Optics and light distribution options	1 x symmetrical lenses (ECa) 7 x asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 1 x floodlight lenses (PFA) 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)

	CORTO - 3BLS 12 (36 LED)		
	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)
4000 K	9801	75	131
3000 K	9504	75	127
2700 K	8613	75	115
2400 K	7871	75	105
2200 K	7722	75	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 Titanium 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 700 mA
Lifetime	10% failure at 100 000 hours
Control	DALI or 1-10V

SMARTLIGHTING (OPTIONS)

Standalone solutions	Dimming calculator from 2 to 5 slots (Dimming 5, POLEDRIVE Bluetooth oder POLEDRIVE) Presence detector (Motion P) Moving sensor combined with dimming calculator (Motion P) Constant Light Output (CLO) Adjustable driver (POLEDRIVE)
Local Network	Luminaires group: detection through ZIGBEE 3.0 communication protocol 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

WARRANTY

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