



ALOA

DESCRIPTION

Product name	ALOA
Housing	Die-cast aluminium body with lattice shape
Mechanical impact protection code	IK 09
Ingress Protection	IP 66 waterproofing in accordance with the standard EN 60 529 Extruded silicone gasket Breathing system with activated carbon filter
Mounting	Post-top fastening on pole Ø 60/62 mm
Dimensions	Ø 1258 x 364 x 208 mm
Weight	8,1 kg
Windage area	0,05 m ²
Electrical class	I or II
Ambient temperature	- 40°C to + 40 °C

MAINTENANCE

Maintenance	Opening with screws. Direct access to the power supply and ALOA modules
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LED SOURCES

Sources	ALOA
Colour temperature (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	2 asymmetrical lenses (ERS, ERL)
Photobiology	RG1 (3000 K)

MAXIMUM PERFORMANCES (see annex for all LED modules options)

	ALOA (36 LED)		
	Flux ^(A) at 700mA (lm)	Power ^(B) (W)	Efficiency (lm/W)
4000 K	9801	75	131
3000 K	9504	75	127

(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 900 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) Presence detector (Motion P, MD) Moving sensor combined with dimming calculator (Motion P, MD) Constant Light Output (CLO) Adjustable driver (POLEDRIIVE)
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