



DESCRIPTION

Product name	NOA X1	NOA X2
Housing	Housing, cover and sleeve in die-cast aluminium	
Finition	Polyester powder coating, any colour available	
Bowl	Bowl in thermally tempered and screen printed glass	
Smart-ready®	Luminaire fitted with Zhaga book 18 connector (3E version), allowing the direct connection of "smart" modules. Luminaire without connector available upon request.	
Mechanical impact protection code	IK 09	
Ingress Protection	IP 66 in accordance with the standard EN 60 529 Extruded silicone gasket Cable gland Breathing system with activated carbon filter	
Mounting	Top and side entry with adjustable tilt angles Entries: Ø 60 mm, Ø 49 mm / Top Ø 76 mm Tilt angles: - Top: 0°; +5°; +10°; +15°; +20° - Side 0°; -5°; -10°; -15°; -20° Locking using 2 pressure screws	
Dimensions	679 x 375 x 115 mm	779 x 457 x 115 mm
Weight	8,1 kg	10,2 kg
Windage area	0,12 m ²	0,16 m ²
Electrical class	I or II	
Ambient temperature	-40°C to +45°C (at 700mA)	

MAINTENANCE

Maintenance	The upper part of the luminaire cover can be opened without tools using the flap. Cutting of the power supply when the luminaire is opened by a dedicated ECLATEC connector
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LED SOURCES

Sources	BLS Strips (8 to 48 LED)
Colour temperature (K)	2400 K, 2700 K, 3000 K, 4000 K
CRI	> 70 (others upon request)
Luminaire SDCM	<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 (PFI, 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)

	NOA X1 - 3BLS 12 (36 LED)			NOA X2 - 6BLS 12 (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	9667	75	129	18896	145	130
3000 K	9374	75	125	18324	145	126
2700 K	8495	75	113	16606	145	115
2400 K	7763	75	104	15174	145	105
2200 K	7616	75	102	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 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 1000 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 (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 + and 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