

LED Pro-Aqua IV 1568x116x80 mm

40281628

EAN: 8720874799955

HIGH EFFICIENCY WATERPROOF LUMINAIRE WITH VERSATILE FUNCTIONALITY

HIGH EFFICIENCY WATERPROOF LUMINAIRE WITH VERSATILE FUNCTIONALITY Pro-Aqua IV is a future-proof waterproof luminaire designed for harsh environments and demanding applications. With an exceptional 180 lm/W efficiency, an extended lifetime, and IP66 & IK08 protection, it ensures energy savings and long-term reliability. Offering multi-switchable light outputs and CCT, Pro-Aqua IV also features versions with a wireless motion sensor and 3H self-testing emergency lighting - ideal for various industrial and commercial applications. The pre-installed through-wiring and cable glands accelerate installation, while multiple bracket positions increases flexibility.



PRODUCT FEATURES

Suitable for wall mounting	✓	Suitable for number of light sources	1
Suitable for wall mounting	✓	LED nominal current at constant current	58 117 Milliampere
Suitable for suspended mounting	✓	Nominal voltage	220 240 Volt
Suitable for ceiling mounting	✓	Nominal current	200 350 Milliampere
Suitable for built-in mounting	✗	Rated lifetime L80/B50 at 25 °C	94000 Hour
Suitable for surface mounting	✓	Rated lifetime L70/B50 at 25 °C	100000 Hour
Suitable for light line configuration	✗	Rated life time L70/B10 at 25 °C	102000 Hour
Suitable for clamp-mounting	✓	Lumen maintenance at median useful life of 35,000 h at 25 °C ambient (tq)	0.95 Percentage
With mounting material	✓	Lumen maintenance at median useful life of 50,000 h at 25 °C ambient (tq)	0.904 Percentage
Suitable for workplace according to EN 12464-1	✓	Lumen maintenance at median useful life of 75,000 h at 25 °C ambient (tq)	0.802 Percentage
Lamp type	LED exchangeable	Failure rate at median useful life of 35,000 h at 25 °C ambient (tq)	5.2 Percentage
With light source	✓	Failure rate at median useful life of 50,000 h at 25 °C ambient (tq)	9.58 Percentage
Lamp holder	Other	Rated life time L80/B10 at 25 °C	102000 Hour
Housing material	Plastic	Failure rate at median useful life of 75,000 h at 25 °C ambient (tq)	20 Percentage
Surface protection housing	Plastic-coated	Rated life time L90/B10 at 25 °C	52000 Hour
Housing colour	Grey	Rated life time L90/B50 at 25 °C	52000 Hour
Material cover	Plastic, opal	Max. number of luminaires per miniature circuit breaker C10 (MCB)	20
Type of grid	Other	Max. number of luminaires per miniature circuit breaker B16 (MCB)	31
Voltage type	AC	Max. number of luminaires per miniature circuit breaker C16 (MCB)	53
Type of control gear	Not required	Rated ambient temperature according to IEC 62722-2-1	0 35 Degrees celsius
With control gear	✓	Luminous flux in emergency mode	420 Lumen
Exchangeable control gear	✓	Power consumption in emergency mode	3 Watt
Dimmable	✗	Luminaire efficacy	176.92 Lumen/Watt

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Dimming 0-10 V	✗	Rated luminous flux according to IEC 62722-2-1	9300 Lumen
Dimming 1-10 V	✗	Suitable for lamp power	31.5 53 Watt
Dimming DALI	✗	Luminaire efficacy	175.47 176.92 Lumen/Watt
Dimming DALI-2	✗	Max. system power	53 Watt
Dimming DMX	✗	Rated luminous flux according to IEC 62722-2- 1	5550 9300 Lumen
Dimming GPRS	✗	Colour temperature	3000 5000 Kelvin
Dimming LineSwitch	✗	Flickering value Pst LM	0.15
Dimming DSI	✗	Power factor	0.96
Dimming manufacturer's proprietary system	✗	Stroboscope effect value SVM	0.11
Dimming mains voltage modulation	✗	Width	116 Millimetre
Dimming phase cut-off (trailing edge)	✗	Height/depth	80 Millimetre
Dimming phase cut-on (leading edge)	✗	Length	1568 Millimetre
Dimming programmable	✗	Outer diameter	116 Millimetre
Dimming potentiometer (integrated)	✗	Built-in length	0 Millimetre
Dimming RF	✗	Built-in width	0 Millimetre
Dimming Sine Wave Reduction	✗	Total harmonic distortion	0.174
Dimming Touch and Dim	✗	Built-in height/depth	0 Millimetre
Dimming Zigbee	✗	Built-in diameter	0 Millimetre
Dimming with push-button	✗	Luminous intensity	3071 Candela
No dim function	✓	Number of poles	5
Dimming depending on control gear	✗	Conductor cross section	2.5 Square millimetre
Light distributor	Diffuser lens/optic/panel	Total harmonic distortion (THD)	0.174 Percentage
Light distribution	Symmetric	Connectable conductor cross section	1 2.5 Square millimetre
Beam angle	> 80° - Extreme wide beam	Unified Glare Ratio (UGR)	21
Colour consistency (McAdam ellipse)	SDCM3	Luminous intensity	101.1 117.3 Candela
Light outlet	Direct		
Energy efficiency class of the light source according to EU regulation 2019/2015	B		
Containing product according to 2019/2020/EU	✓		
Energy efficiency class of the provided exchangeable built-in lamp	B		
Highest energy efficiency class of the exchangeable lamp	B		
Lowest energy efficiency class of the exchangeable lamp	B		
Degree of protection (IP), rear side	Other		
Degree of protection (IP), front side	IP66		
Degree of protection (IP)	IP66		
Degree of protection (NEMA)	4		
Impact strength	IK08		
Protection class according to IEC 61140	I		
Luminaire with limited surface temperature, sign "D" according to EN 60598-2-24	✓		
Emergency power supply integrated	✓		
Emergency power supply system	Peripheral (individual battery)		
Suitable for emergency lighting	✓		
Emergency function monitoring system	Automatic self test		
With switch	✗		
With presence detector	✗		
With movement sensor	✗		
With light sensor	✗		
Covering of the luminaire with thermally insulating material possible	✗		

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With air slots	✗
Filament test according to IEC 60695-2-11	850 °C - 30 s
Colour of light according to EN 12464-1	Neutral white 3300-5300 K
Colour of light	White
Colour rendering index CRI	80-89
Constant light output (CLO)	✗
Type of wiring	Loop-through wiring included
Connection type	Cable
Photobiological safety according to EN 62471	RG0
Colour of light adjustable	Positions
Luminous flux adjustable	Positions
Beam angle adjustable	No
Operation by Bluetooth	✗
Compatible with Casambi	✗
Compatible with Apple HomeKit	✗
Compatible with Google Assistant	✗
Compatible with Amazon Alexa	✗
IFTTT support available	✗
Ball-proof according to DIN 18032-3	✗
Meets min. EIA lifetime criterion L90 (at 50,000 hours at tq = 25 °C)	✓