

Prolumia LED Pro-Aqua IV

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LED Pro-Aqua IV 1568x116x80 mm

40281626

EAN: 8720874799931

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	-20 40 Degrees celsius
With control gear	✓	Luminaire efficacy	185 Lumen/Watt
Exchangeable control gear	✓	Rated luminous flux according to IEC 62722-2-1	9300 Lumen
Dimmable	✗	Suitable for lamp power	30 51.5 Watt

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Dimming 0-10 V	✗	Luminaire efficacy	180.58 185 Lumen/Watt
Dimming 1-10 V	✗	Max. system power	51.5 Watt
Dimming DALI	✗	Rated luminous flux according to IEC 62722-2- 1	5550 9300 Lumen
Dimming DALI-2	✗	Colour temperature	3000 5000 Kelvin
Dimming DMX	✗	Flickering value Pst LM	0.11
Dimming GPRS	✗	Power factor	0.97
Dimming LineSwitch	✗	Stroboscope effect value SVM	0.01
Dimming DSI	✗	Width	116 Millimetre
Dimming manufacturer's proprietary system	✗	Height/depth	80 Millimetre
Dimming mains voltage modulation	✗	Length	1568 Millimetre
Dimming phase cut-off (trailing edge)	✗	Outer diameter	116 Millimetre
Dimming phase cut-on (leading edge)	✗	Built-in length	0 Millimetre
Dimming programmable	✗	Built-in width	0 Millimetre
Dimming potentiometer (integrated)	✗	Total harmonic distortion	0.079
Dimming RF	✗	Built-in height/depth	0 Millimetre
Dimming Sine Wave Reduction	✗	Built-in diameter	0 Millimetre
Dimming Touch and Dim	✗	Luminous intensity	3064 Candela
Dimming Zigbee	✗	Number of poles	5
Dimming with push-button	✗	Conductor cross section	2.5 Square millimetre
No dim function	✓	Total harmonic distortion (THD)	0.079 Percentage
Dimming depending on control gear	✗	Connectable conductor cross section	1 2.5 Square millimetre
Light distributor	Diffuser lens/optic/panel	Unified Glare Ratio (UGR)	21
Light distribution	Symmetric	Luminous intensity	101.1 117.3 Candela
Beam angle	> 80° - Extreme wide beam		
Colour consistency (McAdam ellipse)	SDCM3		
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	None		
Suitable for emergency lighting	✗		
Emergency function monitoring system	None		
With switch	✗		
With presence detector	✗		
With movement sensor	✗		
With light sensor	✗		
Covering of the luminaire with thermally insulating material possible	✗		
With air slots	✗		

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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)	✓