



CoreLine Waterproof

WT120C G2 LED80S/840 PSU L1500 BN

CoreLine Waterproof, 57 W, L1500 mm, 8000 lm, 4000 K, Symmetrical, Clear, IP65, IK08, TW1-ready

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. With its slim and stylish design, it retains the product architecture that the range is well-known and appreciated for. Installation is quick and easy, all thanks to its efficient design. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. A direct replacement for traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W, it delivers significant energy savings. Interact Ready luminaires with integrated wireless communications are also available in the CoreLine waterproof range, ready to be used with Interact connected lighting system.

Warnings and Safety

- UV radiation will damage the material over time resulting in loss of waterproof sealing and IP66 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

Product data

General Information		Warranty period	
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit	ENEC mark	ENEC mark
Driver included	Yes	Glow-wire test	Temperature 850 °C, duration 30 s
Feed-through wiring	Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)	EU RoHS compliant	Yes
Service tag	No	Light Technical	
Lighting Technology	LED	Luminous Flux	8,000 lm
Value ladder	Performance	Saturated Red (R9)	<50
CE mark	CE mark	Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Light source color	840 neutral white
Optic type	Symmetrical
Luminaire light beam spread	110°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	15 A
Inrush time	240 ms
Power Consumption	57 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	31

Temperature

Ambient temperature range	-20 to +40 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Grey
Optical cover finish	Clear
Overall length	1,515 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (Height x Width x Depth)	76 x 80 x 1515 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Photobiological risk specification	0.2 m

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	80
Lumen maintenance at median useful life* 100000 h	70

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

Order product name	WT120C G2 LED80S/840 PSU L1500 BN
Full product name	WT120C G2 LED80S/840 PSU L1500 BN
Full product code	872016950217899
Order code	911401826085
Material Nr. (12NC)	911401826085
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169502178
Numerator - Packs per outer box	9
EAN/UPC - Case	8720169502208

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Dimensional drawing

