



CoreLine Waterproof

WT120C G2 LED80S/840 PSU L1500

- 840 neutral white - Power supply unit (ON/OFF)

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			
Light source color	840 neutral white	Glow-wire test	Temperature 850 °C, duration 30 s
Light source replaceable	No	Flammability mark	For mounting on easily flammable surfaces
Number of gear units	1 unit	CE mark	Yes
Driver/power unit/transformer	Power supply unit (ON/OFF)	ENEC mark	ENEC mark
Driver included	Yes	Warranty period	5 years
Optic type	Wide beam	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Luminaire light beam spread	105°		
Control interface	-		
Connection	Push-in connector 3-pole		
Cable	-		
Protection class IEC	Safety class I		

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Constant light output	No
Number of products on MCB of 16 A type B	31
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Service tag	Yes
Unified glare rating CEN	25
Lighting Technology	LED
Brand	Philips
Value ladder	Performance

Light Technical

Luminous Flux	8,000 lumen
Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	1.6

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Power Consumption	57.1 W
Inrush current	15 A
Inrush time	0.24 ms
Power Factor (Fraction)	0.9

Temperature

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

Dimmable	No
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Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Gray

Optical cover/lens finish	Frosted
Overall length	1,515 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (Height x Width x Depth)	NaN x NaN x NaN mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Init. Corr. Color Temperature	4000 K
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

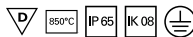
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Not applicable

Product Data

Full product code	871869940928900
Order product name	WT120C G2 LED80S/840 PSU L1500
Order code	911401823980
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	9
Material number (12NC)	911401823980
Net weight	1.700 kg
Full product name	WT120C G2 LED80S/840 PSU L1500
EAN/UPC - Case	8710163346366



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Dimensional drawing

