



# CoreLine Waterproof

## WT120C G2 LED25S/840 PSU PCO L1200

CoreLine Waterproof, 20.5 W, L1200 mm, 2500 lm, 4000 K, Very wide beam, Opal, 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		
Light source replaceable	No	maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Number of gear units	1 unit	
Driver included	Yes	Service tag
Feed-through wiring	Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)	Lighting Technology
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen	Value ladder
		CE mark
		Warranty period
		Flammability mark
		ENEC mark
		Glow-wire test

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EU RoHS compliant	Yes
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## Light Technical

Luminous Flux	2,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	122 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value 1 as per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1.6
Light source color	840 neutral white
Optic type	Very wide beam
Luminaire light beam spread	135°
Unified glare rating CEN	26

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	3.58 A
Inrush time	0.04 ms
Power Consumption	20.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	80

## 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	Gray
Optical cover finish	Opal

Overall length	1,215 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (Height x Width x Depth)	76 x 80 x 1215 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

## 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	85
Lumen maintenance at median useful life* 100000 h	70

## Application Conditions

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

## Product Data

Order product name	WT120C G2 LED25S/840 PSU PCO L1200
Full product name	WT120C G2 LED25S/840 PSU PCO L1200
Full product code	871016334977099
Order code	911401837080
Material Nr. (12NC)	911401837080
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163349770
Numerator - Packs per outer box	9
EAN/UPC - Case	8710163349831

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## Dimensional drawing

