



# CoreLine Waterproof

## WT120C G2 LED27S/840 PSU L1200

- 840 neutral white - Power supply unit

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		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Number of gear units	1 unit	Service tag	Yes
Driver included	Yes	Lighting Technology	LED
Feed-through wiring	Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)	Value ladder	Performance
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	<b>Light Technical</b>	
		Luminous Flux	2,700 lumen
		Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	132 lm/W
		Color rendering index (CRI)	>80
		Flickering value (PstLM)	1

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Stroboscopic effect value (SVM)	1.6
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	105°
Unified glare rating CEN	25

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Power Consumption	20.5 W
Inrush current	3.58 A
Inrush time	0.04 ms
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)
Control interface	-
Constant light output	No

## 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	1,215 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]
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Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes

## 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)

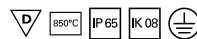
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

## Application Conditions

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

## Product Data

Full product code	871829184046600
Order product name	WT120C G2 LED27S/840 PSU L1200
Order code	911401823580
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	9
Material number (12NC)	911401823580
Full product name	WT120C G2 LED27S/840 PSU L1200
EAN/UPC - Case	8710163346328



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### Dimensional drawing

