



CoreLine Waterproof

WT120C LED40S/840 PSD L1200 EL3

Coreline Waterproof, 840 neutral white, Power supply unit with DALI interface, Emergency lighting: three-hour duration

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Waterproof range of LED products can be used to replace traditional waterproof luminaires with fluorescent lamps. The process of selecting, installing and maintaining is so easy – it's a simple switch. Also available as an Interact Ready wireless CoreLine waterproof luminaire that works with Interact Pro lighting software and Interact Ready devices to provide a connected lighting system for SMEs

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			
Lamp family code	-	maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Light source replaceable	No	Product family code	WT120C [Coreline Waterproof]
Number of gear units	Unit	Lighting Technology	LED
Driver included	Yes	Value ladder	Performance
Feed-through wiring	Simple connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)	CE mark	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen	Warranty period	5 years
		Flammability mark	For mounting on easily flammable surfaces
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 850 °C, duration 30 s

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EU RoHS compliant	Yes
Light Technical	
Luminous Flux	4,100 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	104 lm/W
Colour rendering index (CRI)	≥80
Light source colour	840 neutral white
Optic type	-
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	110°
Unified Glare Rating (CEN)	24
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.275 ms
Power Consumption	39.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	-
Number of products on MCB of 16 A type B	24
Temperature	
Ambient temperature range	0 to +25 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing material	Polycarbonate
Reflector material	Steel
Optic material	-
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel

Housing Colour	Grey
Optical cover/lens finish	Textured
Overall length	1,250 mm
Overall width	87 mm
Overall height	96 mm
Dimensions (height x width x depth)	96 x 87 x 1250 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class I
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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L75
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	WT120C LED40S/840 PSD L1200 EL3
Full product name	WT120C LED40S/840 PSD L1200 EL3
Full EOC	871869688312900
Order code	88312900
Material no. (12 NC)	910500458249
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696883129
Numerator – packs per outer box	1
EAN/UPC – Case	8718696883129

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Dimensional drawing

