



CoreLine Waterproof

WT120C G2 LED40S/840 PSU TW1 WEC L1200

CoreLine Waterproof, 29.5 W, L1200 mm, 4000 lm, 4000 K, Wide beam, Frosted, IP65, IK08, TW1, Adels

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	LED40S [LED module, system flux 4000 lm]		useful life (B50) value also represents the B10 value.
Light source replaceable	No	Product family code	WT130C [Coreline Waterproof G2 LSC]
Number of gear units	Unit	Lighting Technology	LED
Driver included	Yes	Value ladder	Performance
Feed-through wiring	Feed-through wiring 1-phase	CE mark	CE mark
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median	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
		EU RoHS compliant	Yes

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Light Technical	
Luminous Flux	4,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	136 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Light source colour	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
Inrush current	5.16 A
Inrush time	0.047 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.86
Connection	Waterproof External plug-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	36

Wiring	
Connector type	Adels

Temperature	
Ambient temperature range	-20 to +35 °C

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/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	Grey
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]
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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	85
Lumen maintenance at median useful life* 100,000 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 LED40S/840 PSU TW1 WEC L1200
Full product name	WT120C G2 LED40S/840 PSU TW1 WEC L1200
Full EOC	871869916317400
Order code	16317400
Material no. (12 NC)	910505100051
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699163174
Numerator – packs per outer box	1
EAN/UPC – Case	8718699163174

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Dimensional drawing

