



CoreLine Waterproof

WT120C G2 LED40S/840 PSD ELB3 L1200

CoreLine Waterproof, 35.5 W, L1200 mm, 4000 lm, 4000 K, DALI, Wide beam, Frosted, IP65, IK08, TW1-ready, ELB3h

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.

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]	Service tag	Yes
Light source replaceable	No	Product family code	WT130C [Coreline Waterproof G2 LSC]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Type of emergency lighting battery	Lithium
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 B10. Therefore, the median useful life (B50) value also represents the B10 value.	CE mark	CE mark
		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
		Light Technical	
		Luminous Flux	4,000 lm

CoreLine Waterproof

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	113 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
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
Inrush current	19.4 A
Inrush time	0.2 ms
Power Consumption	35.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	30

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	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Gray
Optical cover 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

Emergency Operation

Emergency flux	500 lm
Emergency Power	3 W

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	1%
Suitable for random switching	Not applicable

Product Data

Order product name	WT120C G2 LED40S/840 PSD ELB3 L1200
Full product name	WT120C G2 LED40S/840 PSD ELB3 L1200
Full product code	871869688312900
Order code	910505100057
Material Nr. (12NC)	910505100057
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696883129
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696883129

CoreLine Waterproof

Dimensional drawing

