PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED27S/840 PSU ELB3 L1200

CoreLine Waterproof, 26 W, L1200 mm, 2700 lm, 4000 K, 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. 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	LED27S [LED Module, system flux 2700 lm]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Feed-through wiring	Simple connection and removable cover
	available for food, through wiring 1, phace
	available for feed-through wiring 1-phase
	(internal wiring is not included)
Remarks	0 0 1
Remarks	(internal wiring is not included)
Remarks	(internal wiring is not included) *- According to the Lighting Europe guidance
Remarks	(internal wiring is not included) *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based

	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the B10
	value.
Product family code	WT130C [Coreline Waterproof G2 LSC]
Lighting Technology	LED
Type of emergency lighting battery	Lithium
Value ladder	Performance
CE mark	CE mark
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark

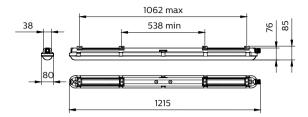
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Class with test	Toronometrics 200 % duration 20 s
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Tochnical	
Light Technical	2.700 hrs
Luminous Flux	2,700 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	104 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	3.58 A
Inrush time	0.04 ms
Power Consumption	26 W
Power Factor (Fraction)	0.77
Connection	Push-in connector 4-pole
Cable	-
Number of products on MCB of 16 A type	80
В	
Temperature	
Ambient temperature range	0 to +25 °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
U	
Housing Colour	Grey
Optical cover/lens finish	Grey Frosted
Optical cover/lens finish	Frosted

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	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	oliant)
Control gear failure rate at median usefu	al 5 %
life 50,000 h	
Lumen maintenance at median useful	85
life* 50,000 h	
Lumen maintenance at median useful	70
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Not applicable
Product Data	
Order product name	WT120C G2 LED27S/840 PSU ELB3 L1200
Full product name	WT120C G2 LED27S/840 PSU ELB3 L1200
Full EOC	871829185418000
Order code	85418000
Material no. (12 NC)	910505100042
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291854180
Numerator – packs per outer box	1
EAN/UPC - Case	8718291854180

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Dimensional drawing





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