PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED37S/840 PSU PCO L1200

CoreLine Waterproof, 28.6 W, L1200 mm, 3700 lm, 4000 K, Very wide beam, Opal, IP65, IK08, TW1-ready

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

eneral Information		Light Technical	
ight source replaceable	No	Luminous Flux	3,700 lm
mber of gear units	1 unit	Correlated Color Temperature (Nom)	4000 K
iver included	Yes	Luminous Efficacy (rated) (Nom)	130 lm/W
rvice tag	Yes	Color rendering index (CRI)	>80
ghting Technology	LED	Light source color	840 neutral white
e ladder	Performance	Optic type	Very wide beam
rranty period	5 years	Luminaire light beam spread	135°
stainability rating	-	Unified glare rating CEN	26

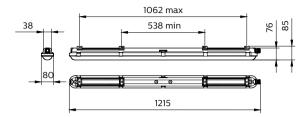
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Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 or 60 Hz	
Inrush current	14.2 A	
Inrush time	0.222 ms	
Power Consumption	28.6 W	
Power Factor (Fraction)	0.9	
Connection	Push-in connector 3-pole	
Cable	-	
Number of products on MCB of 16 A type	36	
В		
Suitable for random switching	Not applicable	
Protection class IEC	Safety class I	
Feed-through wiring	Simple Connection and removable cover	
	available for feed-through wiring 1-phase	
	(internal wiring is not included)	
Total harmonic distortion	20 %	
Controls and Dimming		
Dimmable	No	
Driver/power unit/transformer	Power supply unit (On/Off)	
Control interface		
Constant light output	No	
Maximum dim level	Not applicable	
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	Opal	
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	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	
Mech. impact protection code	IK08 [5 J vandal-protected]	
Net Weight (Piece)	1.400 kg	
Approval and Application		
Glow-wire test	Temperature 850 °C, duration 30 s	
Flammability mark	For mounting on easily flammable surfaces	

CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 ℃
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.
Flickering value (PstLM) - Flickering value	1
as per EN 61000-3-3	
Stroboscopic effect visibility measure	1.6
(SVM)	
Ambient temperature range	-20 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	ant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance (EN-IEC 62722-2-1)	L80
at median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1)	L70
at median useful life* 100000 h	
Product Data	
Order product name	WT120C G2 LED37S/840 PSU PCO L1200
Full product name	WT120C G2 LED37S/840 PSU PCO L1200
Full product code	871016334979499
Order code	911401837280
Material Nr. (12NC)	911401837280
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163349794
Numerator - Packs per outer box	9

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Dimensional drawing





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