PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED37S/830 PSU L1200

CoreLine Waterproof, 28.5 W, L1200 mm, 3700 lm, 3000 K, Wide beam, Matte, 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 guick 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

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Feed-through wiring	Simple Connection and removable cover
	available for feed-through wiring 1-phase
	(internal wiring is not included)
Lighting Technology	LED
Value ladder	Performance
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	3,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	130 lm/W
Color rendering index (CRI)	>80

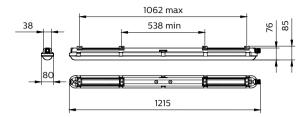
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Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	1.6
Light source color	830 warm white
Optic type	Wide beam
Luminaire light beam spread	105°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	14.2 A
Inrush time	0.222 ms
Power Consumption	28.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	
Number of products on MCB of 16 A type B	36
Temperature	
Ambient temperature range	-20 to +40 °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 material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Gray
Optical cover finish	Matte
Overall length	1,215 mm
overall tengen	1,21311111
Overall width	80 mm
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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	(0.43,0.40)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	nt)
Control gear failure rate at median useful	5%
life 50000 h	0, 5
Lumen maintenance at median useful life*	85
50000 h	65
Lumen maintenance at median useful life*	70
100000 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 LED37S/830 PSU L1200
Full product name	WT120C G2 LED37S/830 PSU L1200
Full product code	871016336936599
Order code	911401824681
Material Nr. (12NC)	911401824681
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163369365
Numerator - Packs per outer box	9

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Dimensional drawing





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