PHILIPS Lighting



CoreLine Waterproof

WT120C LED22S/840 PSD L1200

Coreline Waterproof, 840 neutral white, Power supply unit with DALI interface

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

- \cdot 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	-
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)
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.
Service tag	Yes
Product family code	WT120C [Coreline Waterproof]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces

CoreLine Waterproof

ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,900 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	118 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	840 neutral white
Optic type	-

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Optic type	-
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	110°
Unified glare rating CEN	23

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	24.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-

Number of products on MCB of 16 A type 24

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Temperature

Ambient temperature range

Controls and Dimming

Reflector material

Optical cover material

Optic material

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

Steel

Polycarbonate

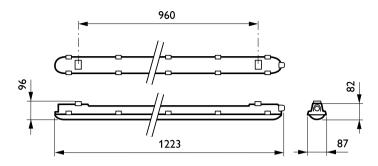
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-25 to +35 °C

Fixation material	Stainless steel
Housing Color	Grey
Optical cover finish	Textured
Overall length	1,250 mm
Overall width	87 mm
Overall height	96 mm
Dimensions (Height x Width x Depth)	96 x 87 x 1250 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof
Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class I
Initial Performance (IEC Complian	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Control gear failure rate at median useful life 50000 h	
Lumen maintenance at median useful life* 50000 h	L75
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	WT120C LED22S/840 PSD L1200
Full product name	WT120C LED22S/840 PSD L1200
Full product code	871869688307500
Order code	910500458244
Material Nr. (12NC)	910500458244
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696883075
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696883075

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Dimensional drawing





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