PHILIPS Lighting



CoreLine Waterproof

WT120C LED18S/840 PSU L600

Coreline Waterproof, 840 neutral white, Power supply unit (On/Off)

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

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

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ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	119 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	110°
Unified glare rating CEN	24
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	8 A

0.060 ms

-20 to +35 °C

Push-in connector 3-pole

17.6 W

0.9

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Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proo
Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class I
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	ul 5%
life 50000 h	
Lumen maintenance at median useful	L75
life* 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes
Product Data	
Order product name	WT120C LED18S/840 PSU L600
Full product name	WT120C LED18S/840 PSU L600
Full product code	871829184045900
Order code	910500453335
Material Nr. (12NC)	910500453335
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291840459
Numerator - Packs per outer box	1

Fixation material

Optical cover finish

Housing Color

Overall length

Overall width

Overall height

Dimensions (Height x Width x Depth)

Stainless steel

Grey

Textured

661 mm

87 mm

96 mm

96 x 87 x 661 mm

Temperature		
Ambient temperature range		

Number of products on MCB of 16 A type 24

Inrush time

Connection

Cable

в

Power Consumption
Power Factor (Fraction)

Ambient temperature range

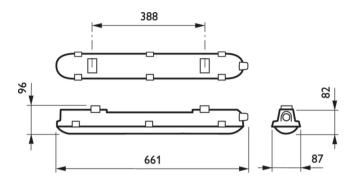
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Steel
Optic material	-
Optical cover material	Polycarbonate

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Dimensional drawing





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