



# CoreLine Waterproof

## WT120C LED18S/840 PSU L600

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

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	-	
Light source replaceable	No	
Number of gear units	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	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen	
		maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
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	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 850 °C, duration 30 s	

# CoreLine Waterproof

EU RoHS compliant	Yes
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## Light Technical

Luminous Flux	2,100 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	119 lm/W
Colour rendering index (CRI)	≥80
Light source colour	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
Inrush time	0.060 ms
Power Consumption	17.6 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	24

## Temperature

Ambient temperature range	-20 to +35 °C
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## 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/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	Grey

Optical cover/lens finish	Textured
Overall length	661 mm
Overall width	87 mm
Overall height	96 mm
Dimensions (height x width x depth)	96 x 87 x 661 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 Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L75

## 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 EOC	871829184045900
Order code	84045900
Material no. (12 NC)	910500453335
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291840459
Numerator – packs per outer box	1
EAN/UPC - Case	8718291840459

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### Dimensional drawing

