CoreLine Waterproof

WT120C LED60S/840 PSU TW1 WEC L1500

CoreLine Waterproof, 48 W, L1500 mm, 6000 lm, 4000 K, Textured, IP65, IK08, TW1, Adels

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	Feed-through wiring 1-phase
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
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s

CoreLine Waterproof

EU RoHS compliant	Yes

Light Technical

Luminous Flux	6,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	125 lm/W
Color rendering index (CRI)	≥80
Light source color	840 neutral white
Optic type	–
Luminaire light beam spread	110°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	29 A
Inrush time	0.305 ms
Power Consumption	48 W
Power Factor (Fraction)	0.9
Connection	Waterproof External plug-in connector 3-pole
Cable	–
Number of products on MCB of 16 A type B	13

Wiring

Connector Type	Adels

Temperature

Ambient temperature range	–20 to +35 ℃

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

Fixation material	Stainless steel
Housing Color	Grey
Optical cover finish	Textured
Overall length	1,612 mm
Overall width	87 mm
Overall height	96 mm
Dimensions (Height x Width x Depth)	96 x 87 x 1612 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 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L75

Application Conditions

Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Order product name	WT120C LED60S/840 PSU TW1 WEC L1500
Full product name	WT120C LED60S/840 PSU TW1 WEC L1500
Full product code	871869916319800
Order code	910500459303
Material Nr. (12NC)	910500459303
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699163198
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699163198

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Dimensional drawing

1213

96

38

82

1620

87