



CoreLine Waterproof

WT120C G2 LED120S/840 PSU L1500

CoreLine Waterproof, 75 W, L1500 mm, 12000 lm, 4000 K, Symmetrical, Clear, IP65, IK08

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		Operating and Electrical	
Number of gear units	1 unit	Correlated Color Temperature (Nom)	4000 K
Driver included	Yes	Luminous Efficacy (rated) (Nom)	160 lm/W
Service tag	Yes	Color rendering index (CRI)	>80
Value ladder	Performance	Light source color	840 neutral white
Warranty period	5 years	Optic type	Symmetrical
Light Technical		Luminaire light beam spread	110°
Luminous Flux	12,000 lm	Unified glare rating CEN	25
Saturated Red (R9)	<50	Input Voltage	220 to 240 V

CoreLine Waterproof

Line Frequency	50 or 60 Hz
Inrush current	19 A
Inrush time	0.28 ms
Power Consumption	75 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
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	Grey
Optical cover finish	Clear
Overall length	1,515 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (Height x Width x Depth)	76 x 80 x 1515 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	1.730 kg

Emergency Operation

Central Emergency	No
-------------------	----

Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38) SDCM≤3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L65

Sustainability Data

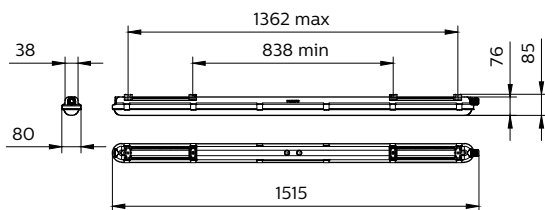
Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	11.3 kg CO ₂ e
Product non-virgin material ratio	12.1 %
Recyclable content ratio of the finished product	55.7 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

Product Data

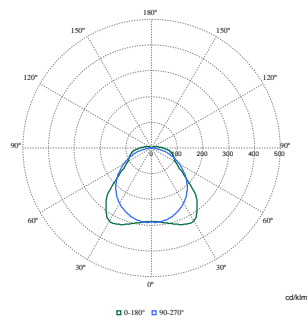
Order product name	WT120C G2 LED120S/840 PSU L1500
Full product name	WT120C G2 LED120S/840 PSU L1500
Full product code	872016975431799
Order code	911401815987
Material Nr. (12NC)	911401815987
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169754317
Numerator - Packs per outer box	9
EAN/UPC - Case	8720169754423

CoreLine Waterproof

Dimensional drawing



Photometric data



Polar Normal (separate) - 911401815987

