



CoreLine Waterproof

WT120C G2 LED80S/840 PSU L1500

CoreLine Waterproof, 57.1 W, L1500 mm, 8000 lm, 4000 K, Wide beam, Matte, IP65, IK08, TW1-ready

L1500 mm, Polycarbonate, Grey, Power supply unit (On/Off), 8000 lm, 57.1 W, 140 lm/W, 4000 K, (0.38,0.38)SDCM<=3, Wide beam, Matte, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Push-in connector 3-pole, Simple connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)

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	
Light source replaceable	No	Light source colour	840 neutral white
Number of gear units	Unit	Optic type	Wide beam
Driver included	Yes	Luminaire light beam spread	105°
Service Tag	Yes	Unified Glare Rating (CEN)	25
Lighting Technology	LED	Input Voltage	220 to 240 V
Value ladder	Performance	Line Frequency	50 or 60 Hz
Warranty period	5 years	Inrush current	15 A
Light Technical		Inrush time	0.24 ms
Luminous Flux	8,000 lm	Power Consumption	57.1 W
Correlated Colour Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9
Luminous efficacy (rated) (nom.)	140 lm/W	Connection	Push-in connector 3-pole
Colour rendering index (CRI)	>80	Cable	-

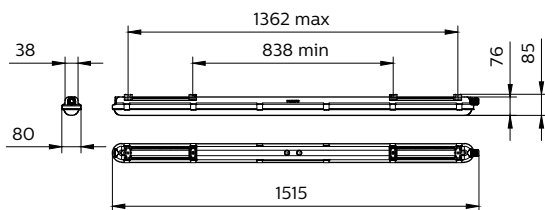
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Number of products on MCB (16 A type B)	31
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Feed-through wiring	Simple connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)
Total harmonic distortion	20 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
Mechanical and Housing	
Housing material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	Grey
Optical cover/lens finish	Matte
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)	1.700 kg
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 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* – According to the Lighting Europe guidance paper 'Evaluating the 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.
Flickering value (PstLM)	1
Stroboscopic effect	1.6

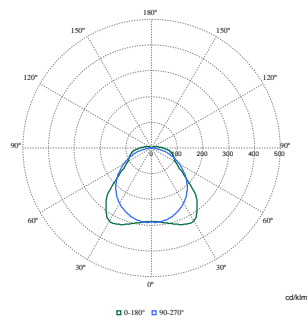
Ambient temperature range	-20 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70
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 the 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 DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO ₂ eq / kWh)
Product Data	
Order product name	WT120C G2 LED80S/840 PSU L1500
Full product name	WT120C G2 LED80S/840 PSU L1500
Full EOC	871869940928900
Order code	911401823980
Material no. (12 NC)	911401823980
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699409289
Numerator – packs per outer box	9
EAN/UPC - Case	8710163346366

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401823980

