



CoreLine Waterproof

WT120C G2 LED60S/840 PSD L1500

CoreLine Waterproof, 45 W, L1500 mm, 6000 lm, 4000 K, DALI, Wide beam, Frosted, IP65, IK08, TW1-ready

L1500 mm, Polycarbonate, Grey, Power supply unit with DALI interface, 6000 lm, 45 W, 133 lm/W, 4000 K, (0.38,0.38)SDCM<=3, Wide beam, Frosted, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Push-in connector 5-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	
Lamp family code	LED60S [LED Module, system flux 6000 lm]	Colour rendering index (CRI)	>80
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		
Value ladder	Performance	Input Voltage	220 to 240 V
Warranty period	5 years	Line Frequency	50 or 60 Hz
		Inrush current	20.9 A
		Inrush time	0.192 ms
		Power Consumption	45 W
		Power Factor (Fraction)	0.9
		Connection	Push-in connector 5-pole

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Cable	-
Number of products on MCB (16 A type B)	29
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	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI standard	DALI-2™
Maximum dim level	1%

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	Frosted
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)	1.820 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 +35 °C
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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

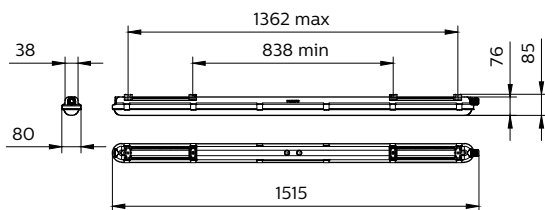
Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	11.5 kg CO _{2e}
Product non-virgin material ratio	11.9 %
Recyclable the content ratio of the finished product	55.7 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) 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 LED60S/840 PSD L1500
Full product name	WT120C G2 LED60S/840 PSD L1500
Full EOC	871869688310500
Order code	910505100072
Material no. (12 NC)	910505100072
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696883105
Numerator – packs per outer box	1
EAN/UPC - Case	8718696883105
Product family code	WT130C [Coreline Waterproof G2 LSC]

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Dimensional drawing



Photometric data



Polar Normal (separate) - WT120CI - 910505100072

