



# CoreLine Waterproof

## WT120C G2 LED40S/840 PSD L1200

CoreLine Waterproof, 30.5 W, L1200 mm, 4000 lm, 4000 K, DALI, Wide beam, Frosted, IP65, IK08, TW1-ready

L1200 mm, Polycarbonate, Grey, Power supply unit with DALI interface, 4000 lm, 30.5 W, 131 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	LED40S [LED module, system flux 4000 lm]	Luminous efficacy (rated) (nom.)	131 lm/W
Light source replaceable	No	Colour rendering index (CRI)	>80
Number of gear units	Unit	Light source colour	840 neutral white
Driver included	Yes	Optic type	Wide beam
Service Tag	Yes	Luminaire light beam spread	105°
Lighting Technology	LED	Unified Glare Rating (CEN)	25
Value ladder	Performance		
Warranty period	5 years	Input Voltage	220 to 240 V
		Line Frequency	50 or 60 Hz
		Inrush current	19.4 A
		Inrush time	0.2 ms
		Power Consumption	30.5 W

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Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB (16 A type B)	30
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	1,215 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (height x width x depth)	76 x 80 x 1215 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	1.530 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

### 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

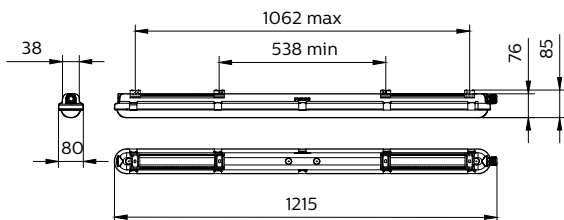
Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	9.43 kg CO <sub>2</sub> e
Product non-virgin material ratio	10.7 %
Recyclable the content ratio of the finished product	53.9 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> 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 <sub>2</sub> eq / kWh)

### Product Data

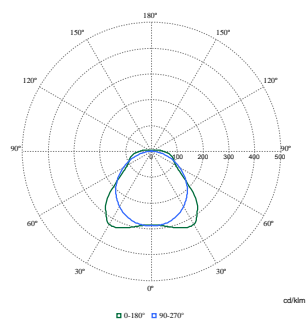
Order product name	WT120C G2 LED40S/840 PSD L1200
Full product name	WT120C G2 LED40S/840 PSD L1200
Full EOC	871869688309900
Order code	910505100053
Material no. (12 NC)	910505100053
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696883099
Numerator – packs per outer box	1
EAN/UPC - Case	8718696883099
Product family code	WT130C [Coreline Waterproof G2 LSC]

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - WT120CI - 910505100053

