



# CoreLine Waterproof

## WT120C G2 LED80S/840 PSU L1500 ELB3

CoreLine Waterproof, 63.5 W, L1500 mm, 8000 lm, 4000 K, Wide beam, Frosted, IP65, IK08, TW1-ready, ELB3h

L1500 mm, Polycarbonate, Grey, Power supply unit (On/Off), 8000 lm, 63.5 W, 126 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 4-pole, Simple connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included), Emergency lighting 3-hours duration basic version

### 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	LED80S [LED Module, system flux 8000 lm]	Luminous efficacy (rated) (nom.)	126 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		
Light Technical			
Luminous Flux	8,000 lm	Input Voltage	220 to 240 V
Correlated Colour Temperature (Nom)	4000 K	Line Frequency	50 or 60 Hz
		Inrush current	6.9 A
		Inrush time	0.058 ms
		Power Consumption	63.5 W

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Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	-
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	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)	2.120 kg

## Emergency Operation

Emergency flux	500 lm
Rated duration of the emergency lighting (when fully charged)	3 h
Additional max. power consumption when emergency battery is charging	3 W
Central Emergency	No
Type of emergency lighting battery	Lithium
Emergency lighting	Emergency lighting 3-hours duration basic version
Emergency function testing method	Manual/Test button
Emergency lighting operation mode	Maintained

## 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	0 to +25 °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)	25.1 kg CO <sub>2</sub> e
Product non-virgin material ratio	15 %
Recyclable the content ratio of the finished product	53.7 %
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)

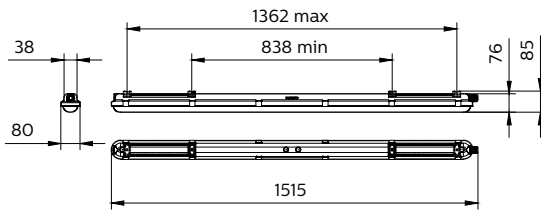
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## Product Data

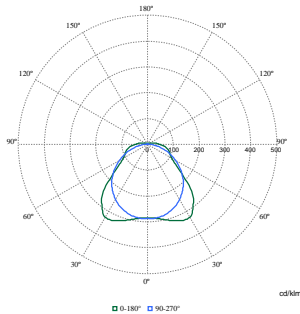
Order product name	WT120C G2 LED80S/840 PSU L1500 ELB3
Full product name	WT120C G2 LED80S/840 PSU L1500 ELB3
Full EOC	871869940931900
Order code	910505100080
Material no. (12 NC)	910505100080
Numerator – quantity per pack	1

EAN/UPC – Product/Case	8718699409319
Numerator – packs per outer box	1
EAN/UPC - Case	8718699409319
Product family code	WT130C [Coreline Waterproof G2 LSC]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - WT120CI - 910505100080

