CoreLine Waterproof

WT120C G2 LED40S/840 PSD L1200

Coreline Waterproof G2 LSC - LED module, system flux 4000 lm – 840 neutral white - Power supply unit with DALI interface

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	
Lamp family code	LED40S [LED module, system flux 4000 lm]
Light source color	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optic type	Beam angle 110°
Luminaire light beam spread	105°
Control interface	DALI

Connection	Push-in connector 5-pole
Cable	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there

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	is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	30
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Service tag	Yes
Product family code	WT130C [Coreline Waterproof G2 LSC]
Unified glare rating CEN	25

Light technical

Flickering	1
Stroboscopic effect	1

Operating and electrical

Input Voltage	220 to 240 V
Input Frequency	50 or 60 Hz
Inrush current	19.4 A
Inrush time	0.2 ms
Power Factor (Min)	0.86

Controls and dimming

Dimmable	Yes

Mechanical and housing

Housing Material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Gear tray material	Steel
Fixation material	Stainless steel
Optical cover/lens finish	Frosted
Overall length	1215 mm
Overall width	80 mm
Overall height	76 mm
Color	Gray
Dimensions (Height x Width x Depth)	76 x 80 x 1215 mm (3 x 3.1 x 47.8 in)

Approval and application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	–

Initial performance (IEC compliant)

Initial luminous flux (system flux)	4000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	133 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38,0.38)SDCM<=3
Initial input power	30 W
Power consumption tolerance	+/-10%

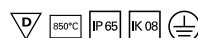## Over time performance (IEC compliant)

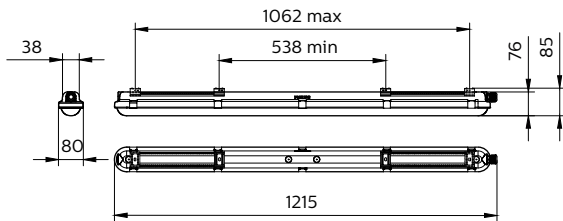|	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application conditions

Ambient temperature range	–20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product data

Full product code	871869688309900
Order product name	WT120C G2 LED40S/840 PSD L1200
EAN/UPC – Product	8718696883099
Order code	910505100053
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910505100053
Copy Net Weight (Piece)	1.530 kg

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Dimensional drawing

1062 max
538 min
38
76
85
80
1215

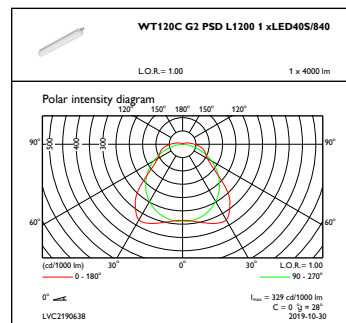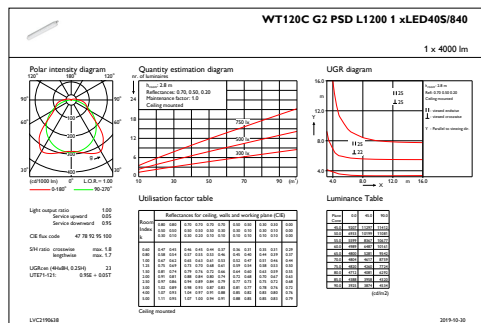**WT120C G2 LED40S/840 PSD L1200**

Photometric data

IFGU1_WT120CG2PSDL12001xLED40S840

OFPC1_WT120CG2PSDL12001xLED40S840

www.lighting.philips.com

2022, August 2 – data subject to change