



CoreLine Waterproof

WT120C G2 LED80S/840 PSD L1500

LED Module, system flux 8000 lm - 840 neutral white - Power supply unit with DALI interface

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Waterproof range of LED products can be used to replace traditional waterproof luminaires with fluorescent lamps. The process of selecting, installing and maintaining is so easy – it's a simple switch. Also available as an Interact Ready wireless CoreLine waterproof luminaire that works with Interact Pro lighting software and Interact Ready devices to provide a connected lighting system for SMEs

Warnings and Safety

- UV radiation will damage the material over time, resulting in loss of waterproof sealing and IP65 rating.
- Do not install the luminaire in locations where it is exposed to direct sunlight.

Product data

General Information			
Lamp family code	LED80S [LED Module, system flux 8000 lm]	Cable	-
Light source colour	840 neutral white	Protection class IEC	Safety class I
Light source replaceable	No	Glow-wire test	Temperature 850 °C, duration 30 s
Number of gear units	1 unit	Flammability mark	D [For mounting on easily flammable surfaces]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optic type	110 [Beam angle 110°]	Warranty period	5 years
Luminaire light beam spread	105°	Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10.
Control interface	DALI		
Connection	Push-in connector 5-pole		

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	Therefore, the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB (16 A type B)	29
EU RoHS compliant	Yes
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 or 60 Hz
Inrush current	20.9 A
Inrush time	0.192 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes
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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	1515 mm
Overall width	80 mm
Overall height	76 mm
Colour	Grey
Dimensions (height x width x depth)	76 x 80 x 1515 mm (3 x 3.1 x 59.6 in)

Approval and Application

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

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	8000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	131 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.38,0.38)SDCM<=3
Initial input power	61 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

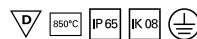
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

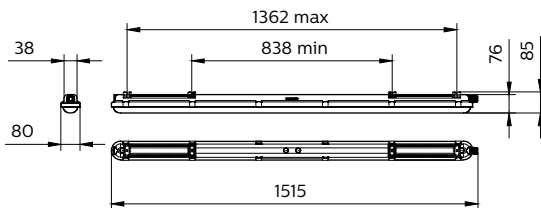
Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Not applicable

Product Data

Full product code	871869940929600
Order product name	WT120C G2 LED80S/840 PSD L1500
EAN/UPC – product	8718699409296
Order code	40929600
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910505100079
SAP net weight (piece)	1.820 kg

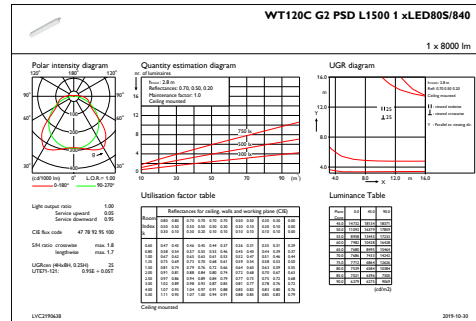
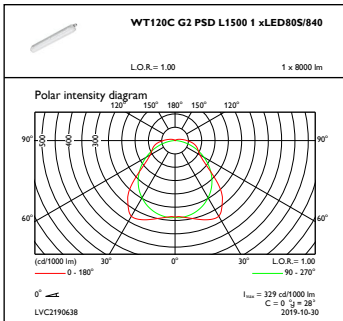


Dimensional drawing



CoreLine Waterproof WT120C

Photometric data



OFPC1_WT120CG2PSDL15001xLED80S840

IFGU1_WT120CG2PSDL15001xLED80S840

