CoreLine Waterproof

WT120C G2 LED40S/840 PSU ELB3 L1200

Coreline Waterproof G2 LSC - LED Module, system flux 4000 lm - 840 neutral white - Power supply unit - Emergency lighting 3 hours duration

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. CoreLine waterproof products can directly replace traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W. With its slim and stylish design, it continues to keep its well-known and appreciated architecture. Installation is quick and easy, all thanks to its efficient design. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. Interact Ready luminaires with integrated wireless communications are also available in this range, ready to be used with Interact gateways, sensors and software.

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
Driver included	Yes
Optic type	Beam angle 110°
Optical cover/lens type	Micro-lens optic
Luminaire light beam spread	105°
Emergency lighting	Emergency lighting 3 hours duration
Control interface	-
Connection	Push-in connector 4-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 is no relevant difference in lumen maintenance between B50 and for example B10. Therefore,

CoreLine Waterproof

	the median useful life (B50) value also represents the B10 value.	Mech. impact protection code	IK08 [5 J vandal-protected]
Constant light output	No		
Number of products on MCB of 16 A type B	60	**Initial Performance (IEC Compliant)**	
		Initial luminous flux (system flux)	4000 lm
EU RoHS compliant	Yes	Luminous flux tolerance	+/-10%
Service tag	Yes	Initial LED luminaire efficacy	114 lm/W
Product family code	WT130C [Coreline Waterproof G2 LSC]	Init. Corr. Color Temperature	4000 K
Unified glare rating CEN	25	Init. Color Rendering Index	>80
		Initial chromaticity	(0.38,0.38)SDCM<=3
Operating and Electrical		Initial input power	34 W
Input Voltage	220 to 240 V	Power consumption tolerance	+/-10%
Input Frequency	50 or 60 Hz		
Inrush current	5.16 A	**Over Time Performance (IEC Compliant)**	
Inrush time	0.047 ms	Control gear failure rate at median useful life 50000 h	5 %
Power Factor (Min)	0.86		
		Lumen maintenance at median useful life* 50000 h	L75
Controls and Dimming			
Dimmable	No		
		Application Conditions	
Mechanical and Housing		Ambient temperature range	0 to +25 ℃
Housing Material	Polycarbonate	Performance ambient temperature Tq	25 ℃
Reflector material	Steel	Maximum dim level	Not applicable
Optic material	Polycarbonate	Suitable for random switching	Not applicable
Optical cover/lens material	Polycarbonate		
Gear tray material	Steel	**Product Data**	
Fixation material	Stainless steel	Full product code	871829185419700
Optical cover/lens finish	Frosted	Order product name	WT120C G2 LED40S/840 PSU ELB3 L1200
Overall length	1215 mm	EAN/UPC – Product	8718291854197
Overall width	80 mm	Order code	910505100054
Overall height	76 mm	Numerator – Quantity Per Pack	1
Color	Gray	Numerator – Packs per outer box	1
Dimensions (Height x Width x Depth)	76 x 80 x 1215 mm (3 x 3.1 x 47.8 in)	Material Nr. (12NC)	910505100054
		Net Weight (Piece)	2.530 kg
Approval and Application			
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]		

850°C IP 65 IK 08

Dimensional drawing
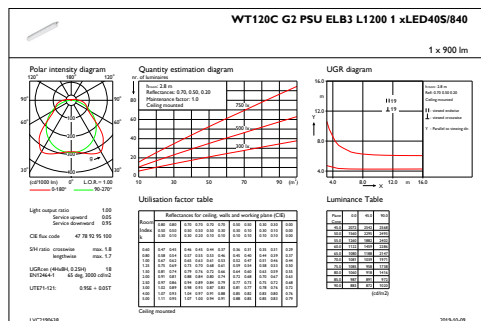

1062 max
538 min
38
76
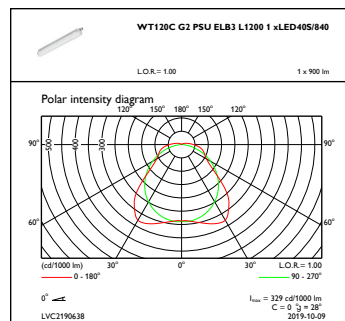85
80
1215
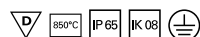
CoreLine Waterproof WT120C
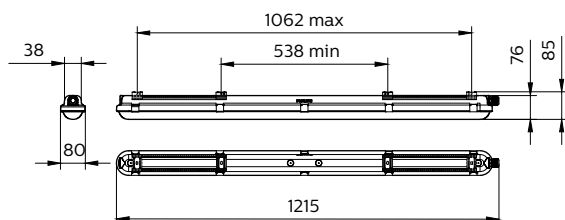
CoreLine Waterproof

Photometric data

IFGU1_WT120CG2PSUELB3L12001xLED40S840

OFPC1_WT120CG2PSUELB3L12001xLED40S840

www.lighting.philips.com

2020, November 24 – data subject to change