



CoreLine Waterproof

WT120C G2 LED27S/840 PSU L1200

840 neutral white - Power supply unit

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			
Beam angle of light source	- °	CE mark	CE mark
Light source color	840 neutral white	ENEC mark	ENEC mark
Light source replaceable	No	Warranty period	5 years
Number of gear units	1 unit	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 the median useful life (B50) value also represents the B10 value.
Driver/power unit/transformer	Power supply unit	Constant light output	No
Driver included	Yes	Number of products on MCB of 16 A type	24
Optic type	Beam angle 110°	B	
Optical cover/lens type	Micro-lens optic	EU RoHS compliant	Yes
Luminaire light beam spread	105°	Service tag	Yes
Control interface	-		
Connection	Push-in connector 3-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		

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Unified glare rating CEN	25
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Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 or 60 Hz
Inrush current	3.58 A
Inrush time	0.04 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	No
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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	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]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2700 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	135 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38,0.38)SDCM<=3
Initial input power	20.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

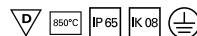
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L75

Application Conditions

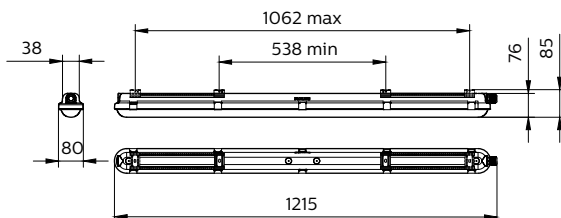
Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Not applicable

Product Data

Full product code	871829184046600
Order product name	WT120C G2 LED27S/840 PSU L1200
EAN/UPC - Product	8718291840466
Order code	911401823580
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	9
Material Nr. (12NC)	911401823580
Net Weight (Piece)	1.400 kg



Dimensional drawing



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