PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED40S/840 PSU L1200

CoreLine Waterproof, 28.6 W, L1200 mm, 4000 lm, 4000 K, Wide beam, Matte, IP65, IK08, TW1-ready

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.

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		Lighting Technology	LED
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	CE mark	CE mark
Driver included	Yes	Warranty period	5 years
Feed-through wiring	Simple Connection and removable cover	Flammability mark	For mounting on easily flammable surfaces
	available for feed-through wiring 1-phase	ENEC mark	ENEC mark
	(internal wiring is not included)	Glow-wire test	Temperature 850 °C, duration 30 s
Remarks	*-Per Lighting Europe guidance paper	EU RoHS compliant	Yes
	"Evaluating performance of LED based		
	luminaires - January 2018": statistically there	Light Technical	
	is no relevant difference in lumen	Luminous Flux	4,000 lm
	maintenance between B50 and for example	Correlated Color Temperature (Nom)	4000 K
	B10. Therefore, the median useful life (B50)	Luminous Efficacy (rated) (Nom)	140 lm/W
	value also represents the B10 value.	Color rendering index (CRI)	>80
Service tag	Yes		

CoreLine Waterproof

Flickering value (PstLM) - Flickering value	1	
as per EN 61000-3-3		
Stroboscopic effect visibility measure	1.6	
(SVM)		
Light source color	840 neutral white	
Optic type	Wide beam	
Luminaire light beam spread	105°	
Unified glare rating CEN	25	
Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 or 60 Hz	
Inrush current	14.2 A	
Inrush time	0.222 ms	
Power Consumption	28.6 W	
Power Factor (Fraction)	0.9	
Connection	Push-in connector 3-pole	
Cable	-	
Number of products on MCB of 16 A type	36	
В		
Temperature		
	-20 to +40 °C	
Ambient temperature range	-2010+40 C	
Controls and Dimming		
Dimmable	No	
Driver/power unit/transformer	Power supply unit (On/Off)	
Constant light output	No	
Mechanical and Housing		
Housing Material	Polycarbonate	
Reflector material	Steel	
Optic material	Polycarbonate	
Optical cover material	Polycarbonate	
Fixation material	Stainless steel	
Housing Color		
	Gray	

Matte

1,215 mm

80 mm

76 mm

Dimensions (Height x Width x Depth)	76 x 80 x 1215 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compli	iant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful life*	* 85
50000 h	
Lumen maintenance at median useful life*	* 70
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Not applicable
Product Data	
Order product name	WT120C G2 LED40S/840 PSU L1200
Full product name	WT120C G2 LED40S/840 PSU L1200
Full product code	871829184048000
Order code	911401823780
Material Nr. (12NC)	911401823780
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291840480
Numerator - Packs per outer box	9
EAN/UPC - Case	8710163346342

Optical cover finish

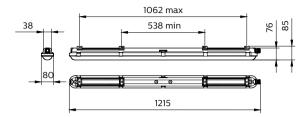
Overall length

Overall width

Overall height

CoreLine Waterproof

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, August 4 - data subject to change