PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED37S/830 PSU L1200

CoreLine Waterproof, 28.5 W, L1200 mm, 3700 lm, 3000 K, Wide beam, Matte, IP65, IK08, TW1-ready

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

eral Information		Light Technical	
ht source replaceable	No	Luminous Flux	3,700 lm
ber of gear units	1 unit	Correlated Color Temperature (Nom)	3000 K
ver included	Yes	Luminous Efficacy (rated) (Nom)	130 lm/W
vice tag	Yes	Color rendering index (CRI)	>80
ting Technology	LED	Light source color	830 warm white
ladder	Performance	Optic type	Wide beam
anty period	5 years	Luminaire light beam spread	105°
stainability rating	-	Unified glare rating CEN	25

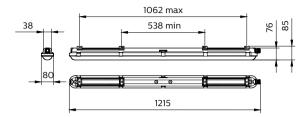
CoreLine Waterproof

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 28.5 W Power Factor (Fraction) 0.9	
Line Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption28.5 W	
Inrush current 14.2 A Inrush time 0.222 ms Power Consumption 28.5 W	
Inrush time 0.222 ms Power Consumption 28.5 W	
Power Consumption 28.5 W	
Power Factor (Fraction) 0.9	
Connection Push-in connector 3-pole	
Cable -	
Number of products on MCB of 16 A type B 36	
Suitable for random switching Not applicable	
Protection class IEC Safety class I	
Feed-through wiring Simple Connection and removable	e cover
available for feed-through wiring	1-phase
(internal wiring is not included)	
Total harmonic distortion 20 %	
Controls and Dimming	
Dimmable No	
Driver/power unit/transformer Power supply unit (On/Off)	
Control interface -	
Constant light output No	
Maximum dim level Not applicable	
Mechanical and Housing	
Housing Material Polycarbonate	
Reflector material Steel	
Optic material Polycarbonate	
Optical cover material Polycarbonate	
Fixation material Stainless steel	
Housing Color Gray	
Housing Color Gray	
Housing Color Gray Optical cover finish Matte	
Housing ColorGrayOptical cover finishMatteOverall length1,215 mm	
Housing ColorGrayOptical cover finishMatteOverall length1,215 mmOverall width80 mm	
Housing ColorGrayOptical cover finishMatteOverall length1,215 mmOverall width80 mmOverall height76 mm	, jet-
Housing ColorGrayOptical cover finishMatteOverall length1,215 mmOverall width80 mmOverall height76 mmDimensions (Height x Width x Depth)76 x 80 x 1215 mm	, jet-
Housing ColorGrayOptical cover finishMatteOverall length1,215 mmOverall width80 mmOverall height76 mmDimensions (Height x Width x Depth)76 x 80 x 1215 mmIngress protection codeIP65 [Dust penetration-protected]	, jet-
Housing ColorGrayOptical cover finishMatteOverall length1,215 mmOverall width80 mmOverall height76 mmDimensions (Height x Width x Depth)76 x 80 x 1215 mmIngress protection codeIP65 [Dust penetration-protected proof]	, jet-

Glow-wire test	Temperature 850 °C, duration 30 s	
Flammability mark	For mounting on easily flammable	
	surfaces	
CE mark	Yes	
ENEC mark	ENEC mark	
Photobiological risk	Photobiological risk group 0 @200mm t	
	EN62778	
EU RoHS compliant	Yes	
Performance ambient temperature Tq	25 ℃	
Flickering value (PstLM) - Flickering value as	1	
per EN 61000-3-3		
Stroboscopic effect visibility measure (SVM)	1.6	
Ambient temperature range	-20 to +40 °C	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.43,0.40)SDCM<=3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Complian	t)	
Control gear failure rate at median useful	5 %	
life 50000 h		
Lumen maintenance (EN-IEC 62722-2-1) at	L80	
median useful life* 50000 h		
Lumen maintenance (EN-IEC 62722-2-1) at	L70	
median useful life* 100000 h		
Product Data		
Order product name	WT120C G2 LED37S/830 PSU L1200	
Full product name	WT120C G2 LED37S/830 PSU L1200	
Full product code	871016336936599	
Order code	911401824681	
Material Nr. (12NC)	911401824681	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8710163369365	
Numerator - Packs per outer box	9	
EAN/UPC - Case	8710163369419	

CoreLine Waterproof

Dimensional drawing





© 2025 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 2025, March 19 - data subject to change