PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED80S/840 PSD L1200

CoreLine Waterproof, 50 W, L1200 mm, 8000 lm, 4000 K, DALI, Symmetrical, Clear, IP65, IK08

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

General Information		Sustainability r
Number of gear units	1 unit	
Driver included	Yes	Light Technic
Service tag	Yes	Luminous Flux
Value ladder	Performance	Saturated Red
Serviceability class	Class B, luminaire is equipped with some	Correlated Col
	serviceable parts (when applicable):	Luminous Effica
	driver, control units, surge protection	Color rendering
	device, front cover and mechanical parts	Light source co
Warranty period	5 years	Optic type

Sustainability rating	-
Light Technical	
Luminous Flux	8,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Symmetrical

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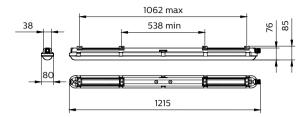
Luminaire light beam spread	110°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	25.1 A
Inrush time	0.214 ms
Power Consumption	50 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	21
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
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	Grey
Optical cover finish	Clear
Overall length	1,215 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (Height x Width x Depth)	76 x 80 x 1215 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	1.330 kg
Emergency Operation	
Central Emergency	No
Approval and Application	
Glow-wire test	Temperature 850 °C, duration 30 s
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Flammability mark	For mounting on easily flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1@200mm to
	EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 ℃
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38) SDCM≤3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching	SDCM≤3
(McAdam ellipse)	

Over Time Performance (IEC Compliant)			
Control gear failure rate at median useful life	5 %		
50000 h			
Lumen maintenance (EN-IEC 62722-2-1) at	-		
median useful life* 35000 h			
Lumen maintenance (EN-IEC 62722-2-1) at	L80		
median useful life* 50000 h			
Lumen maintenance (EN-IEC 62722-2-1) at	-		
median useful life* 75000 h			
Lumen maintenance (EN-IEC 62722-2-1) at	L65		
median useful life* 100000 h			
Product Data			
Order product name	WT120C G2 LED80S/840 PSD L1200		
Full product name	WT120C G2 LED80S/840 PSD L1200		
Full product code	872016975434899		
Order code	911401816287		
Material Nr. (12NC)	911401816287		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8720169754348		
Numerator - Packs per outer box	9		
EAN/UPC - Case	8720169754454		

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Dimensional drawing





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