



# **CoreLine Waterproof**

## WT120C G2 LED27S/840 PSU L1200

CoreLine Waterproof, 20.5 W, L1200 mm, 2700 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.
- $\boldsymbol{\cdot}$  Do not install the luminaire in locations where it will be exposed to direct sunlight.

#### **Product data**

General Information		
Light source replaceable	No	
Number of gear units	1 unit	
Driver included	Yes	
Feed-through wiring	Simple Connection and removable cover	
	available for feed-through wiring 1-phase	
	(internal wiring is not included)	
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.	
Service tag	Yes	

Lighting Technology	LED		
Value ladder	Performance		
CE mark	CE mark		
Warranty period	5 years		
Flammability mark	For mounting on easily flammable surfaces		
ENEC mark	ENEC mark		
Glow-wire test	Temperature 850 °C, duration 30 s		
EU RoHS compliant	Yes		
Light Technical			
Luminous Flux	2,700 lm		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	132 lm/W		
Color rendering index (CRI)	>80		
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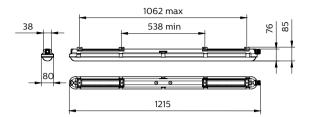
Datasheet, 2023, August 4 data subject to change

## **CoreLine Waterproof**

Flickering value (PstLM) - Flickering value	e 1	Dimensions (Height x Width x Depth)	76 x 80 x 1215 mm	
as per EN 61000-3-3				
Stroboscopic effect visibility measure	1.6	Approval and Application		
(SVM)		Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	
Light source color	840 neutral white	Mech. impact protection code	IK08 [5 J vandal-protected]	
Optic type	Wide beam	Sustainability rating	-	
Luminaire light beam spread	105°	Protection class IEC	Safety class I	
Unified glare rating CEN	25	Photobiological risk	Photobiological risk group 0 @200mm to	
			EN62778	
Operating and Electrical				
Input Voltage	220 to 240 V	Initial Performance (IEC Compliant)		
Line Frequency	50 or 60 Hz	Luminous flux tolerance	+/-10%	
Inrush current	3.58 A	Initial chromaticity	(0.38,0.38)SDCM<=3	
Inrush time	0.04 ms	Power consumption tolerance	+/-10%	
Power Consumption	20.5 W			
Power Factor (Fraction)	0.9	Over Time Performance (IEC Compliant)		
Connection	Push-in connector 3-pole	Control gear failure rate at median useful 5 %		
Cable	-	life 50000 h		
Number of products on MCB of 16 A type	80	Lumen maintenance at median useful life* 85		
В		50000 h		
		Lumen maintenance at median useful life	* 70	
Temperature		100000 h		
Ambient temperature range	-20 to +40 °C			
		<b>Application Conditions</b>		
Controls and Dimming		Performance ambient temperature Tq	25 ℃	
Dimmable	No	Maximum dim level	Not applicable	
Driver/power unit/transformer	Power supply unit (On/Off)	Suitable for random switching	Not applicable	
Constant light output	No			
		Product Data		
Mechanical and Housing		Order product name	WT120C G2 LED27S/840 PSU L1200	
Housing Material	Polycarbonate	Full product name	WT120C G2 LED27S/840 PSU L1200	
Reflector material	Steel	Full product code	871829184046600	
Optic material	Polycarbonate	Order code	84046600	
Optical cover material	Polycarbonate	Material Nr. (12NC)	911401823580	
Fixation material	Stainless steel	Numerator - Quantity Per Pack	1	
Housing Color	Gray	EAN/UPC - Product/Case	8718291840466	
Optical cover finish	Matte	Numerator - Packs per outer box	9	
Overall length	1,215 mm	EAN/UPC - Case	8710163346328	
Overall width	80 mm			
Overall height	76 mm			

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### Dimensional drawing





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