



# CoreLine Waterproof

## WT120C G2 LED27\_45S/840 PSU L1200

CoreLine Waterproof, All-in, 32 W, 18 W, L1200 mm, 2700 lm, 4500 lm, 4000 K, Symmetrical, Clear, 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. Also available as an Interact Ready wireless CoreLine waterproof luminaire that works with Interact Pro lighting software and Interact Ready devices to provide a connected lighting system for SMEs

### 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			
Light source replaceable	No	Saturated Red (R9)	<50
Number of gear units	Unit	Correlated Colour Temperature (Nom)	4000 K
Driver included	Yes	Luminous efficacy (rated) (nom.)	150 140 lm/W
Service Tag	Yes	Colour rendering index (CRI)	>80
Lighting Technology	LED	Light source colour	840 neutral white
Value ladder	Performance	Optic type	Symmetrical
Warranty period	5 years	Luminaire light beam spread	110°
		Unified Glare Rating (CEN)	25
		All-in Type	All-in, Multi Lumen
Light Technical			
Luminous Flux	2,700 4,500 lm		

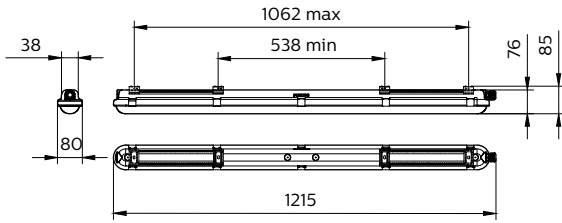
# CoreLine Waterproof

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	32.18 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB (16 A type B)	36
Suitable for random switching	Yes
Protection class IEC	Safety class I
Feed-through wiring	Simple connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)
Total harmonic distortion	12 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	Grey
Optical cover/lens 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
Approval and Application	
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C

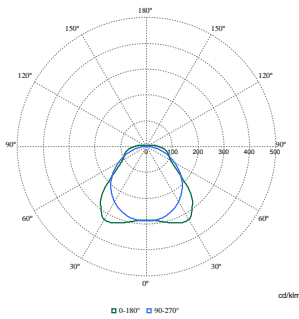
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70
Sustainability Data	
Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	10.3 kg CO <sub>2</sub> e
Product non-virgin material ratio	11.7 %
Recyclable the content ratio of the finished product	53.9 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO <sub>2</sub> eq / kWh)
Product Data	
Order product name	WT120C G2 LED27_45S/840 PSU L1200
Full product name	WT120C G2 LED27_45S/840 PSU L1200
Full EOC	872016950019899
Order code	911401814985
Material no. (12 NC)	911401814985
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169500198
Numerator – packs per outer box	9
EAN/UPC - Case	8720169500297

# CoreLine Waterproof

## Dimensional drawing



## Photometric data



Polar Normal (separate) - null - 911401814985

