



CoreLine Waterproof

WT120C G2 LED27S/840 PSU MDU L1200

CoreLine Waterproof, 22 W, L1200 mm, 2700 lm, 4000 K, Sensor-based dim, Wide beam, Frosted, MDU1, 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		Sustainability rating	
Lamp family code	LED27S [LED Module, system flux 2700 lm]	Unclassified	
Light source replaceable	No	Light Technical	
Number of gear units	1 unit	Luminous Flux	2,700 lm
Driver included	Yes	Correlated Color Temperature (Nom)	4000 K
Service tag	Yes	Luminous Efficacy (rated) (Nom)	123 lm/W
Lighting Technology	LED	Color rendering index (CRI)	>80
Value ladder	Performance	Light source color	840 neutral white
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts	Optic type	Wide beam
Warranty period	5 years	Luminaire light beam spread	105°
		Unified glare rating CEN	25

CoreLine Waterproof

Sustainability Data	
Product non-virgin material ratio	12.6 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) / 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	3.58 A
Inrush time	0.04 ms
Power Consumption	22 W
Power Factor (Fraction)	0.77
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	80
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	20 %

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Sensor-based dim
Constant light output	No
Maximum dim level	Not applicable
Embedded control	Movement and light sensor (On/Off)

Mechanical and Housing	
Housing Material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Gray
Optical cover finish	Frosted
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)	1.420 kg

Approval and Application	
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 to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-20 to +35 °C

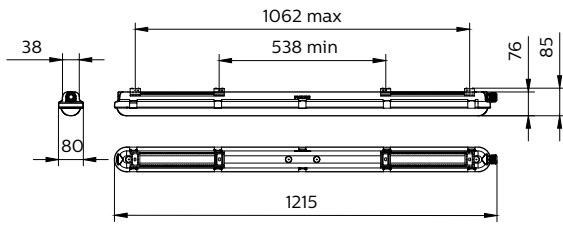
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 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

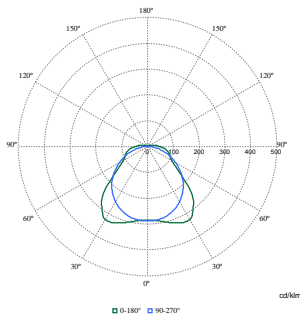
Product Data	
Order product name	WT120C G2 LED27S/840 PSU MDU L1200
Full product name	WT120C G2 LED27S/840 PSU MDU L1200
Full product code	871869996248700
Order code	96248700
Material Nr. (12NC)	910505100040
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699962487
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699962487
Product family code	WT130C [Coreline Waterproof G2 LSC]

CoreLine Waterproof

Dimensional drawing



Photometric data



Polar Normal (separate) - WT120CI - 910505100040

