CoreLine Waterproof

WT120C G2 LED100S/840 PSD L1500

CoreLine Waterproof, 62 W, L1500 mm, 10000 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

Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years

Sustainability rating	-

Light Technical

Luminous Flux	10,000 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	62 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	1,515 mm
Overall width	80 mm
Overall height	76 mm
Dimensions (Height x Width x Depth)	76 x 80 x 1515 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	1.730 kg

Emergency Operation

Central Emergency	No

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 1 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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 (McAdam ellipse)	SDCM≤3

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* 35000 h	-
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* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L65

Product Data

Order product name	WT120C G2 LED100S/840 PSD L1500
Full product name	WT120C G2 LED100S/840 PSD L1500
Full product code	872016975435599
Order code	911401816387
Material Nr. (12NC)	911401816387
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169754355
Numerator - Packs per outer box	9
EAN/UPC - Case	8720169754461

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Dimensional drawing

38

80

1362 max

838 min

76

85

1515

www.lighting.philips.com

2025, March 11 – data subject to change