PHILIPS Lighting



CoreLine Waterproof

WT120C G2 LED60S/840 PSU L1500

CoreLine Waterproof, 42.9 W, L1500 mm, 6000 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.
- · Do not install the luminaire in locations where it will be exposed to direct sunlight.

Product data

General Information		Lighting Technology	LED
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	CE mark	CE mark
Driver included	Yes	Warranty period	5 years
Feed-through wiring	Simple Connection and removable cover	Flammability mark	For mounting on easily flammable surface
	available for feed-through wiring 1-phase	ENEC mark	ENEC mark
	(internal wiring is not included)	Glow-wire test	Temperature 850 °C, duration 30 s
Remarks	*-Per Lighting Europe guidance paper	EU RoHS compliant	Yes
	"Evaluating performance of LED based		
	luminaires - January 2018": statistically there	Light Technical	
	is no relevant difference in lumen	Luminous Flux	6,000 lm
	maintenance between B50 and for example	Correlated Color Temperature (Nom)	4000 K
	B10. Therefore, the median useful life (B50)	Luminous Efficacy (rated) (Nom)	140 lm/W
	value also represents the B10 value.	Color rendering index (CRI)	>80
Service tag	Yes		

CoreLine Waterproof

as per EN 61000-3-3 Stroboscopic effect visibility measure (SVM) Light source color B40 neutral white Optic type Wide beam Luminaire light beam spread 105° Unified glare rating CEN 25 Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 or 60 Hz Inrush current 14.2 A Inrush current 14.2 A Inrush time 0.222 ms Power Consumption 42.9 W Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range -20 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No	Flickering value (PstLM) - Flickering value	: 1
(sVM)840 neutral whiteDptic typeWide beamLuminaire light beam spread105°Unified glare rating CEN25Operating and ElectricalInput Voltage220 to 240 VLine Frequency50 or 60 HzInrush current14.2 AInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Consumption0.9ConnectionPush-in connector 3-poleCable-Temperature36B-20 to +40 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	as per EN 61000-3-3	
Light source color 840 neutral white Optic type Wide beam Luminaire light beam spread 105° Unified glare rating CEN 25 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 42.9 W Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type 36 B Temperature Ambient temperature range -20 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No	Stroboscopic effect visibility measure	1.6
Optic typeWide beamLuminaire light beam spread105°Unified glare rating CEN25Operating and Electrical20 to 240 VInput Voltage220 to 240 VLine Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Controls and Dimming-20 to +40 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	(SVM)	
Luminaire light beam spread105°Unified glare rating CEN25Operating and Electrical220 to 240 VInput Voltage220 to 240 VLine Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Temperature-20 to +40 °CControls and DimmingNoDirwer/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	Light source color	840 neutral white
Unified glare rating CEN25Operating and ElectricalInput Voltage220 to 240 VLine Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Temperature-20 to +40 °CAmbient temperature range-20 to +40 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	Optic type	Wide beam
Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 or 60 Hz Inrush current 14.2 A Inrush current 0.222 ms Power Consumption 42.9 W Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type 36 B - Temperature -20 to +40 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Polycarbonate	Luminaire light beam spread	105°
Input Voltage220 to 240 VLine Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Temperature-20 to +40 °CAmbient temperature range-20 to +40 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	Unified glare rating CEN	25
Input Voltage220 to 240 VLine Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Temperature-20 to +40 °CAmbient temperature range-20 to +40 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate		
Line Frequency50 or 60 HzInrush current14.2 AInrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Controls and DimmingDimmable-20 to +40 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	Operating and Electrical	
Inrush current 14.2 A Inrush time 0.222 ms Power Consumption 42.9 W Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type 36 B - Temperature -20 to +40 °C Ambient temperature range -20 to +40 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Polycarbonate	Input Voltage	220 to 240 V
Inrush time0.222 msPower Consumption42.9 WPower Factor (Fraction)0.9ConnectionPush-in connector 3-poleCable-Number of products on MCB of 16 A type36B-Temperature-20 to +40 °CAmbient temperature range-20 to +40 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate	Line Frequency	50 or 60 Hz
Power Consumption 42.9 W Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type 36 B - Temperature -20 to +40 °C Controls and Dimming -20 to +40 °C Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Polycarbonate	Inrush current	14.2 A
Power Factor (Fraction) 0.9 Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type 36 B - Temperature -20 to +40 °C Ambient temperature range -20 to +40 °C Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Polycarbonate	Inrush time	0.222 ms
Connection Push-in connector 3-pole Cable - Number of products on MCB of 16 A type 36 B - Temperature - Ambient temperature range -20 to +40 °C Controls and Dimming - Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Polycarbonate	Power Consumption	42.9 W
Cable - Number of products on MCB of 16 A type 36 B - Temperature - Ambient temperature range -20 to +40 °C Controls and Dimming - Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Polycarbonate	Power Factor (Fraction)	0.9
Number of products on MCB of 16 A type 36 B Temperature Ambient temperature range -20 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material Polycarbonate	Connection	Push-in connector 3-pole
B Temperature Ambient temperature range -20 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material Polycarbonate	Cable	-
Temperature Ambient temperature range -20 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material	Number of products on MCB of 16 A type	36
Ambient temperature range -20 to +40 °C Controls and Dimming	В	
Ambient temperature range -20 to +40 °C Controls and Dimming		
Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material Polycarbonate	Temperature	
Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material Polycarbonate	Ambient temperature range	-20 to +40 °C
Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material Polycarbonate	Controls and Dimension	
Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing Housing Material Polycarbonate		N
Constant light output No Mechanical and Housing Housing Material		
Mechanical and Housing Housing Material Polycarbonate		
Housing Material Polycarbonate	Constant light output	NO
	Mechanical and Housing	
Reflector material Steel	Housing Material	Polycarbonate
	Reflector material	Steel

Polycarbonate

Polycarbonate

Stainless steel

Gray

Matte

1,515 mm

80 mm 76 mm

Dimensions (Height x Width x Depth)	76 x 80 x 1515 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38,0.38)SDCM<=3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compli	ant)
Control gear failure rate at median useful	5 %
ife 50000 h	
Lumen maintenance at median useful life*	80
50000 h	
Lumen maintenance at median useful life*	70
100000 h	
Application Conditions	
	25°C
Performance ambient temperature Tq	25 °C Not applicable
Performance ambient temperature Tq Maximum dim level	
Performance ambient temperature Tq Maximum dim level	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	Not applicable Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	Not applicable Not applicable WT120C G2 LED60S/840 PSU L1500
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code	Not applicable Not applicable WT120C G2 LED60S/840 PSU L1500 WT120C G2 LED60S/840 PSU L1500
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	Not applicable Not applicable WT12OC G2 LED60S/840 PSU L1500 WT12OC G2 LED60S/840 PSU L1500 871829184049700
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	Not applicable Not applicable WT120C G2 LED60S/840 PSU L1500 WT120C G2 LED60S/840 PSU L1500 871829184049700 911401823880
Order product name Full product name Full product code	Not applicable Not applicable WT120C G2 LEDG0S/840 PSU L1500 WT120C G2 LEDG0S/840 PSU L1500 871829184049700 911401823880 911401823880
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	Not applicable Not applicable WT120C G2 LED60S/840 PSU L1500 WT120C G2 LED60S/840 PSU L1500 871829184049700 911401823880 911401823880 1

Optic material

Optical cover material

Fixation material

Optical cover finish

Housing Color

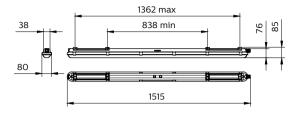
Overall length

Overall width

Overall height

CoreLine Waterproof

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, August 4 - data subject to change