PHILIPS

Lighting



Greenperform Waterproof

WT160C LED50 NW L1500

Greenperform Waterproof, 55 W, 5400 lm, 4000 K, 120°

GreenPerform LED Waterproof is a high quality luminaire with a high system efficacy that delivers significant energy savings of up to 50% as compared to conventional T8 battens. With a reliable and robust housing structure, this maximizes the endurance and contributes to its long lifetime. It is suitable to be used in both direct and indirect lighting applications. This is due to its flexible optics and choice of symmetric or asymmetric mounting accessories that allows for a variety of different lighting applications.

Product data

General Information	
Lamp family code	LED53 [LED module 5300 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	-
ENEC mark	-
Warranty period	3 years
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	5,400 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	98.18 lm/W
Color rendering index (CRI)	80
Beam angle of light source	120 degree(s)
Light source color	Neutral white
Optic type	Wide beam
Optical cover type	Linear-lens array in polycarbonate cover
Luminaire light beam spread	120°

Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	14.7 A

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Inrush time	250 ms
Power Consumption	55 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cable 0.25 m with push-in connector 3-pole
Number of products on MCB of 16 A type B	12

Temperature

Ambient temperature range	-25 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
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Gray and white
Optical cover finish	Opal
Overall length	1,478 mm
Overall width	74 mm
Overall height	58 mm
Dimensions (Height x Width x Depth)	58 x 74 x 1478 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7.5%
Initial chromaticity	(0.38, 0.38) SCDM <4
Power consumption tolerance	+/-10%

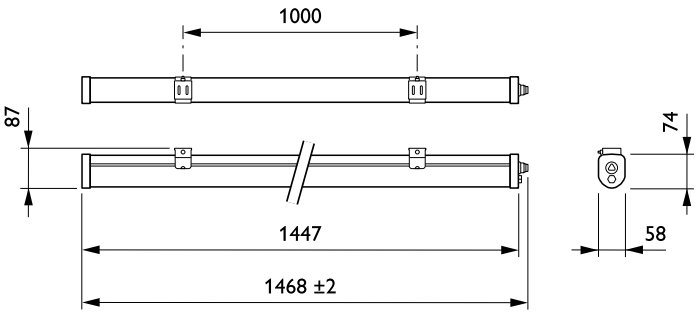
Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L70B50	50,000 hour(s)
Median useful life L80B50	48,000 hour(s)
Median useful life L90B50	45,000 hour(s)

Product Data

Order product name	WT160C LED50 NW L1500
Full product name	WT160C LED50 NW L1500
Full product code	911401513411
Order code	911401513411
Material Nr. (12NC)	911401513411
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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2023, October 25 - data subject to change