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 |
| **CE mark** | - |
| **Warranty period** | 3 years |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **ENEC mark** | - |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **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% |

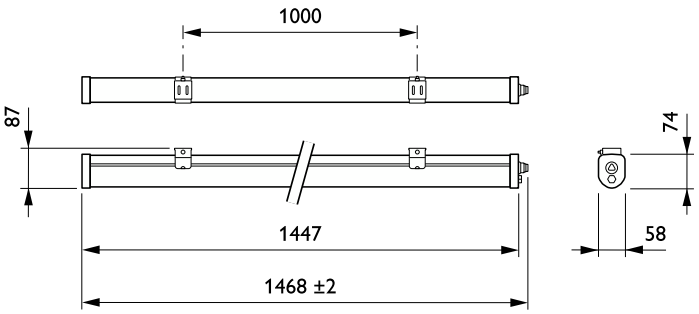
### Over Time Performance (IEC Compliant)

| | |
|---|---|
| **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** | 01513411 |
| **Material Nr. (12NC)** | 911401513411 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 1 |

## Dimensional drawing



## Greenperform Waterproof

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2023, April 29 - data subject to change