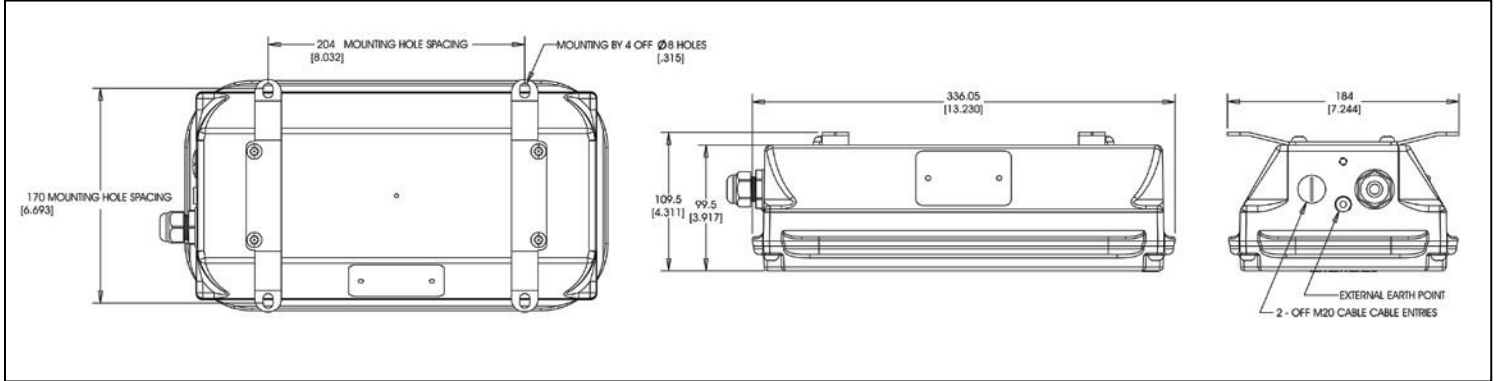
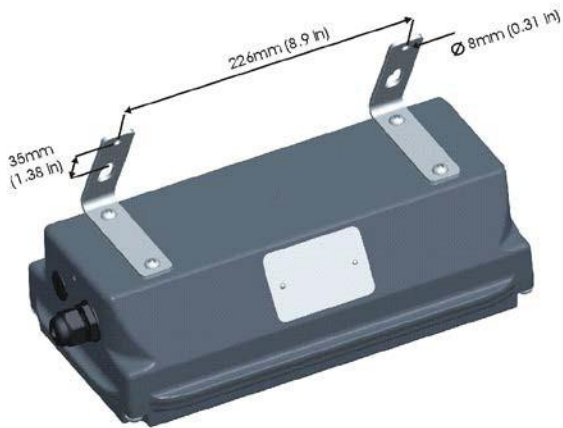
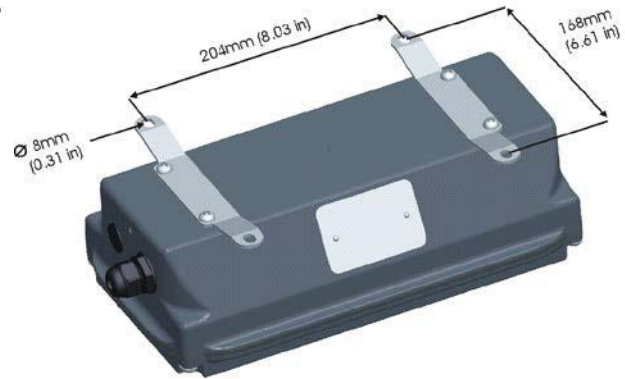
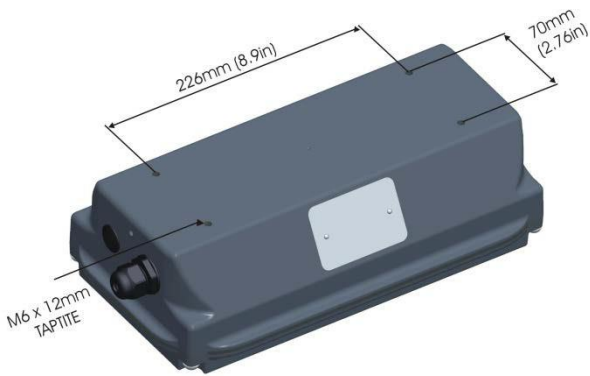


Important information:

These instructions contain safety information, read and follow them carefully. Dialight will not accept any responsibility for injury, damage or loss which may occur due to incorrect installation, operation or maintenance

## Operating Instructions





Tightening Torques	
Front assembly to main body	3.6Nm / 32.0 in lb
Body mounting	8.0Nm / 71.0 in lb
Certified Blanking Plug	2.0Nm / 18.0 in lb

### Safety Instruction:

The installation, operation and maintenance must be carried out by an electrician suitably trained in hazardous areas with knowledge of increased safety explosion protection IEC 60079-14

- The technical data indicated on the LED fixtures are to be observed.
- Changes of the design and modifications to the LED fixture are not permitted
- Repairs must only be carried out by a qualified electrician with hazardous area knowledge
- Only genuine Dialight Replacement must be used when unforeseen repairs are required.
- Observe the national safety rules and regulations during installation.
- NO user serviceable Parts inside.
- NO field replaceable parts.

### Technical Data

#### Operating Temp:

9 & 18 LED -40°C to +60°C  
27 LED -40°C to +50°C

Input Voltage: 100-277VAC 50-60 Hz  
24-48V DC

Input Terminal Block Capacity: 0.52-4mm<sup>2</sup> / 18-14 AWG

#### Supply Current(Typical)

9 LED Model 50mA @ 230 VAC  
100mA @ 100 VAC  
18 LED Model 100mA @ 230 VAC  
200mA @ 100 VAC  
27 LED Model 160mA @ 230 VAC  
320mA @ 100 VAC  
9 LED Model 0.23A @ 48V DC  
0.44A @ 24V DC  
18 LED Model 0.43A @ 48V DC  
0.90A @ 24V DC

Maximum loop Current: 16A

Rated fuse/circuit Breaker: Consult MCB manufacturer

Lens: Toughened Glass  
Frosted or Clear

Weight: 4.5KG (10.0LB)

Dimensions: See figure

Cable Entries: M20  
M25  
3/4" NPT  
Refer to part code

### Conformity with Standards

This equipment conforms to the standards specified in the Declaration of Conformity. It has been designed, manufactured and tested in accordance with BS EN 9001.

### WP Series Luminaire Product Information

The WP Series LED luminaire uses the latest in solid state lighting technology for long life, low maintenance and high efficiency. The lighting fixture is designed for indoor and outdoor non-hazardous area use only and complies with the following:

- EN55015:2006 / EN61547:2009 / EN60598:2009 / EN61000-3-2:2006
- UL 1598 Luminaires suitable for wet locations / UL 1598A Luminaires suitable for marine locations.
- IP66 RATED / NEMA 4X

### Items you will need to complete the installation (\*=items not included):

- This installation guide
- WP Luminaire
- WP fixings and accessories (optional mounting bracket(s), body mounting bolts x 4, cable gland x 1 & gland stopper x 1)
- Terminal screwdriver\*
- Torx screwdriver (Size T30 with TORQUE SETTING)\*
- Bracket mounting screws (recommended size 8)\*
- 3 Core mains cable for hardwired connection only (see specification information for cable and fusing/circuit breaker)\*

### Important Information:

These instructions contain important safety information, read and follow them carefully. Dialight will not accept any responsibility for injury, damage or loss which may occur due to incorrect installation, operation or maintenance.

**WARNING: Risk of electric shock. Ensure that main power supply is switched off before installing or wiring the luminaires. WARNING: Do not attempt to install or use the luminaire until you have read and understand these instructions.**

**WARNING: Risk of fire or electric shock. Luminaires wiring or other electrical parts may be damaged when drilling for installation.**

Check for enclosed wiring and components.

**WARNING: Risk of fire or electric shock. Installation requires knowledge of luminaire electrical systems. If in doubt do not attempt the installation. Contact a qualified electrician.**

**WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of metal or other sharp objects.**

**CAUTION: The luminaire has no serviceable parts. Do not attempt to open power supply unit or LED tray enclosure.**

**CAUTION: Do not use sharp tools near or on the light engine lens or cables.**

**NOTE: The instructions and precautions set forth within this guide are not necessarily all inclusive or relevant to all applications as the manufacturer cannot anticipate all conceivable or unique installation situations.**

### Installation

1. Installation should be carried out by a qualified electrician in accordance with the local wiring regulations. Ensure that the rated voltage and frequency of the luminaire, as indicated on the label are compatible with the mains supply.
2. Assemble the mounting bracket if purchased to the luminaire with the bolts provided. See Figure 1.
3. The assembled luminaire can now be located into position and mounted using suitable fixings (not supplied). See Figure 2.
4. With the luminaire fixed into position, unscrew the 4 TORX screws on the front of the Bulkhead (see tightening torques), the front of the luminaire with LED tray can now be lowered and is supported by the 'drop cable'. See Figure 3.
5. Single fixture connection, remove only one of the blanking grommets and fit the M20 cable gland provided, pass the mains wiring cable through. Multiple fixture connection: Remove both of the blanking grommets and fit the M20 cable glands (only one provided), pass the mains input cable through and pass another through the other gland for the mains output for the next fixture (Adequately tighten the cable gland to maintain fixture IP rating).
- 6a. Single fitting connection: Connect the mains supply to the terminal block, ensure that the correct polarity is observed.
  - R
- 6b. Multiple fitting connections: Connect both pairs of the mains cables to the terminal block, ensure that the correct polarity is observed. Ensure power is switched off until the last unit is connected as the EXIT CABLE will be LIVE. See Figure 5.
7. Check all connections are correct and there are no loose or un-terminated cables, replace LED tray ensuring that no cables or that the drop cord is trapped, DO NOT OVERTIGHTEN. When complete re-connect the power supply and test for operation.

### Chemical Compatibility Guide

The chemical compatibility data referenced in this manual was supplied by the raw material manufacturers and is intended as a general guide. The data represents the basic material properties and does not necessarily represent the performance of the final product due to manufacturing process and design variations for each final product. Chemical compatibility is highly dependent on concentration, temperature, humidity, and other environmental conditions and therefore the customer assumes responsibility for evaluation of gaseous or direct contact chemical compatibility at their site prior to product installation.

[www.dialight.com/pubs/MDTFCHEMRFLX001.pdf](http://www.dialight.com/pubs/MDTFCHEMRFLX001.pdf)

### Official Statement

All statements, technical information, and recommendations contained herein are based on information and tests that Dialight believes to be reliable. The accuracy or completeness thereof is not guaranteed. In accordance with Dialight "Terms and Conditions of Sale" and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his or her intended use and assumes all risk and liability whatsoever in connection therewith.

