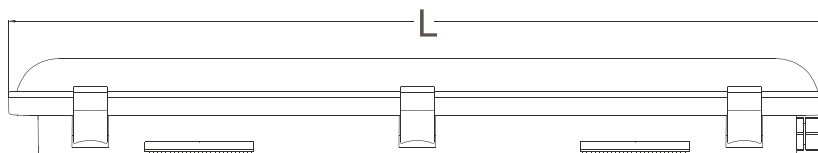
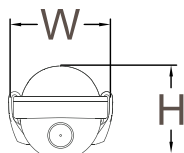


## INSTALLATION INSTRUCTION for Integral Vapourlite IP65 LED battens 5 Year Warranty



| LED Batten Model | Emergency Lumens                        | Product Dimensions (mm) (LxWxH) | Net Weight (Kg) |
|------------------|---|---------------------------------|-----------------|
| ILBTD240         | 4FT 20W/38W 4000K/5000K/6500K Standard  | 1205x82x71                      | 1.46            |
| ILBTD241         | 4FT 20W/38W 4000K/5000K/6500K Emergency | * 290                           | 1.64            |
| ILBTD250         | 5FT 32W/57W 4000K/5000K/6500K Standard  | 1505x82x71                      | 1.83            |
| ILBTD251         | 5FT 32W/57W 4000K/5000K/6500K Emergency | * 290                           | 2               |
| ILBTD260         | 6FT 38W/68W 4000K/5000K/6500K Standard  | 1805x82x71                      | 2.18            |
| ILBTD261         | 6FT 38W/68W 4000K/5000K/6500K Emergency | * 290                           | 2.3             |

\*Output level under emergency conditions

**Thank you for purchasing an INTEGRAL LED product. When installed correctly this unit will provide years of service service – with no lamp changes required. For support or warranty information please see [integral-led.com](http://integral-led.com). Always turn off circuit power at the distribution unit before installation and maintenance. Please ensure that the power cannot be connected inadvertently.**

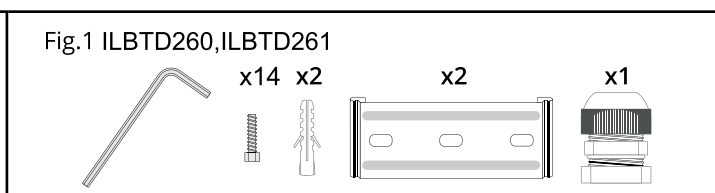
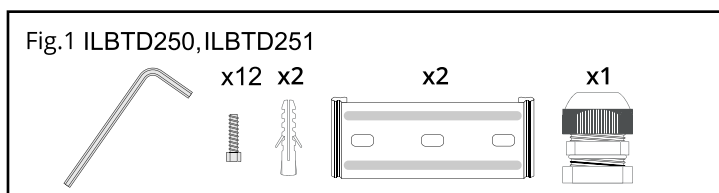
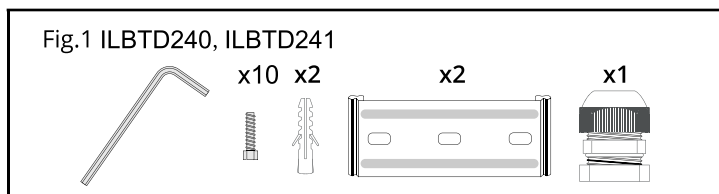
### Important Details – Please read prior to installation

**Ensure the AC/Mains power is NOT connected and cannot be unexpectedly reconnected during installation.**

General guidelines for installation:

1. This product must be installed by a competent qualified electrician in accordance with the instructions provided and in compliance with recognised electrical and safety regulations relevant to the country it is being installed.
2. This product is suitable for installation on surfaces with normal flammability e.g. wood, masonry. Before making the fixing hole(s), check that there are no obstructions hidden beneath the mounting surface, such as pipes or cables. It is not suitable for use on highly flammable surfaces or in flammable atmosphere.
3. For ceiling, wall mounted or suspended installations please follow “Installation instructions” below. For surface mount, this product must be securely fixed to the mounting surface using the brackets, screws and wall plugs supplied (Fig. 1). The screws and wall plugs are suitable for “masonry” only.
4. For the correct polarity please see “Wiring Connection”.
5. This product is not suitable for dimming.

### Fixing Kit



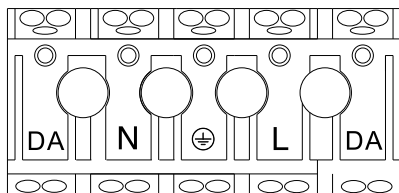
**IMPORTANT! This product is a Class I device and must be connected to an earth termination.**

### Installation Instructions

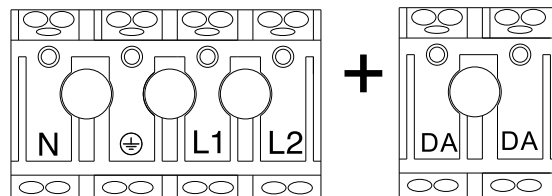
1. Open the batten diffuser cover retaining clips. Note that there are two clips that remain attached to the housing so that the diffuser cover doesn't fall away during installation. If the clips have been secured with security bolts you will need a suitable hex key to unscrew and remove them before you can unclip the diffuser cover.
2. Release the LED and gear tray by turning the two plastic locking caps by hand to the release position. The tray may then be lifted. The connection for the mains is on the underside of the tray. Note that there are two nylon retaining straps with clips to secure the tray to the base housing. These will need to be attached for secure installation.

3. The unit is wired from the back or from the ends through breakouts carefully using a drill or by carefully knocking out. A 20mm gland is supplied for end cabling.
4. Secure the base unit to the mounting surface using the supplied fixing kit or using suspension wires which are supplied separately. Ceiling mounting height is from 3 to 6 metres for the sensor version.
5. Connect the mains supply cable to the push type terminal blocks as indicated in the "Wiring Connection" below.
6. **IMPORTANT FOR SAFETY** when reassembling the base and diffuser units.
  - a. Ensure the nylon straps are clipped to the tray
  - b. Ensure the tray is then secured to the base by turning the retaining caps with no trapped wires.
  - c. Ensure the diffuser is properly seated on the base and close the metallic retaining clips. Secure these clips with the security screws if required

## Wiring Connection



**Wiring connection for all Non-Emergency units**  
 LIVE - (Brown) to Terminal Marked L  
 NEUTRAL - (Blue) to Terminal marked N  
 EARTH - (Green/Yellow) for Class 1 fittings to Terminal marked ⊕  
 DALI 1-(Red) to terminal Marked DA  
 DALI 2-(White) to terminal Marked DA



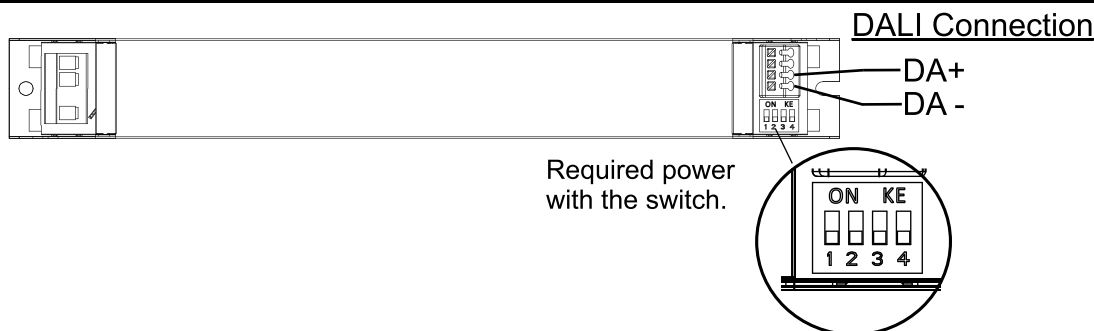
- Connect the incoming earth cable to the earth terminal on connector block.
- Connect the incoming neutral cable to the neutral terminal marked **N** on the connector block.
- Connect the incoming live cable to terminal marked **L** on the connector block.

### Wiring connection for emergency units

- Connect the incoming earth cable to the earth terminal on the connector block
- Connect the incoming neutral cable to the neutral terminal marked N on the connector block
- PERMANENT LIVE – Black to Terminal Marked L2. This will ensure that the battery charges.  
**Note: Any continued switching of the permanent live will reduce the battery's lifetime considerably**
- SWITCH LIVE – Brown to Terminal Marked L1
- There should be a loose flying lead connected to the battery. This needs to be attached to the empty socket found on the emergency control unit

Following power up on an emergency equipped unit, the green LED indicator should illuminate to indicate proper battery charging. If power to an emergency equipped unit is disrupted or isolated, the indicating green LED will switch off, triggering the emergency LED's to illuminate for a minimum of 3 hours. Please Allow 24 hours charge for optimum duration.

## DIP-switch & output current /power



### 4FT

| Power (W) | Output I <sub>rated</sub> (mA) | 1  | 2  | 3  | 4  |
|-----------|--------------------------------|----|----|----|----|
| 20        | 550                            | -- | ON | ON | ON |
| 38        | 1000                           | -- | -- | -- | -- |

### 5FT

| Power (W) | Output I <sub>rated</sub> (mA) | 1  | 2  | 3  | 4  |
|-----------|--------------------------------|----|----|----|----|
| 40        | 1200                           | -- | ON | ON | ON |
| 57        | 1650                           | -- | -- | -- | -- |

### 6FT

| Power (W) | Output I <sub>rated</sub> (mA) | 1  | 2  | 3  | 4  |
|-----------|--------------------------------|----|----|----|----|
| 44        | 1300                           | -- | ON | ON | ON |
| 68        | 1900                           | ON | -- | -- | -- |

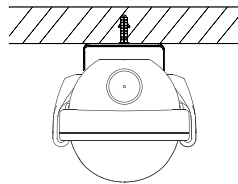
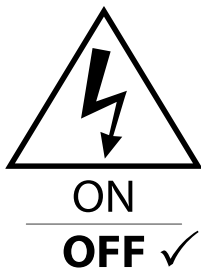
## Warranty

This unit carries a 5 year warranty from the date of purchase, providing that it has been installed correctly and not modified in any way. Should a fault occur please contact the original place of purchase. Warranty for emergency batteries is 2 years.

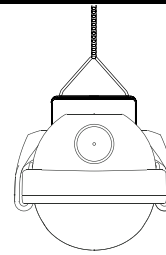
## Important Notes

- Operating and luminaire must be within rated temperature avoiding extreme humidity
- Operation must be within rated input voltage.
- Keep away from strong electromagnetic radiation sources and protect from lightning strike.
- Should the unit malfunction, return to distributor or reseller. No user serviceable parts inside. Do not disassemble or attempt to repair the luminaire outside of the installation guidelines.
- Do not install or use the luminaire if the housing/diffuser is found to be broken.
- Do not apply direct pressure to the diffuser.
- The luminaire must be installed by a qualified electrician.
- The luminaire should be positioned away from heat, vibration and liquid. Avoid contact with any corrosive chemicals.
- The Luminaire should be mounted in free air it is recommended not to exceed 30°C ambient.
- Never cover the luminaire with heat insulation materials.
- The luminaire should be positioned at least 1 metre away from radios, failure to do so may affect radio reception.
- FOR EMERGENCY MODELS - After the emergency lamp has been fully charged for a period of time, the battery inside the unit should be replaced when the rated emergency discharge time is not reached.
- For indoor or outdoor use.

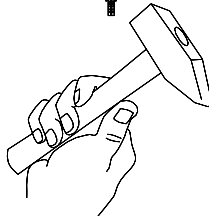
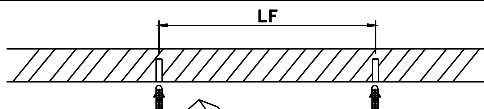
## Installation Diagram



Ceiling installation

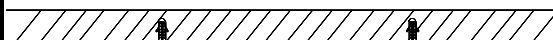


Suspended



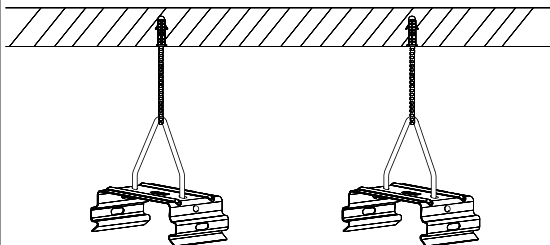
| Type Desc         | LF (mm) |
|-------------------|---------|
| ILBTD240 ILBTD241 | 780     |
| ILBTD250 ILBTD251 | 1060    |
| ILBTD260 ILBTD261 | 1360    |

### Surface mounting

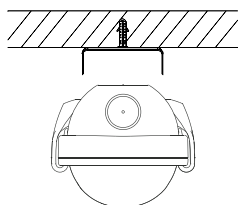
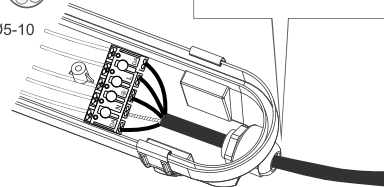
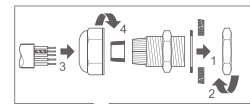
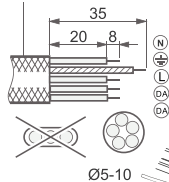


Installation screw ST4. 2x30

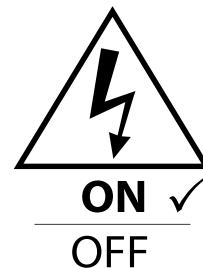
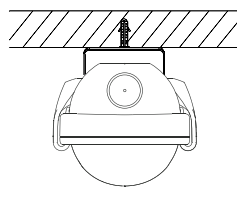
### Suspended mounting



Min. 5x 1mm<sup>2</sup> H05RN-F



PUSH



1. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
2. Do not switch on before complete installation.
3. The luminaire shall, under no circumstance, be covered with insulation matting or similar material.

Test Schedule to record monthly functional test and yearly 3 hour duration test for emergency version. All testing should be planned and incorporated as part of a managed programme with appropriate risk assessment to ensure operational emergency function is not compromised during testing.

|                             |               |   |                  |             |               |             |
|-----------------------------|---------------|---|------------------|-------------|---------------|-------------|
| Panel Ref/Location<br>..... |               | In case of difficulty, contact the Installation Engineers:<br>..... tel. .... |                  |             |               |             |
| Full Recharge Time 24 Hours |               |   | Duration 3 Hours |             |               |             |
| <b>TEST RECORD</b>          |               |   |                  |             |               |             |
|                             | <b>Year 1</b> |   | <b>Year 2</b>    |             | <b>Year 3</b> |             |
| <b>Monthly Test</b>         | <b>Signed</b> | <b>Date</b>   | <b>Signed</b>    | <b>Date</b> | <b>Signed</b> | <b>Date</b> |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Functional                  |               |   |                  |             |               |             |
| Three Hour                  |               |   |                  |             |               |             |



 WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.

Warranty/Technical and contact information are all available at [www.integral-led.com](http://www.integral-led.com)  
 Integral LED is a division of Integral Memory plc,  
 Unit 6 Iron Bridge Close, Iron Bridge Business Park,  
 London, NW10 0UF, UK  
 Integral EU BV, 2801 DG, NL