



enLighten

Vico LED Batten

Installation Instructions

BL06xx, BL12xx, BL15xx models



NEW: Half-power option available by changing the dip-switch on the driver.



NOTE: All electrical work must be carried out by a licensed electrician as per the latest AS 3000 wiring regulations.

Do not touch LEDs during installation or maintenance or put gear tray facing downwards onto surface. Warranty void if LED damage found.

All entry points should be sealed properly to maintain the IP65 rating of the fitting. Warranty void if water damage found.

The emergency lights contain a LIFEPO4 battery which should be recycled.

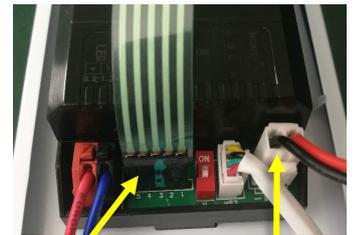
Contact your local battery recycler for details on how to recycle these batteries.

It is the responsibility of the installer to ensure the following to avoid premature battery failure:

- Emergency fittings should be installed within 3 months after purchase as extended storage may shorten the battery life.
- After connecting the battery, mains power should be supplied to the fitting within 7 days.

Mounting

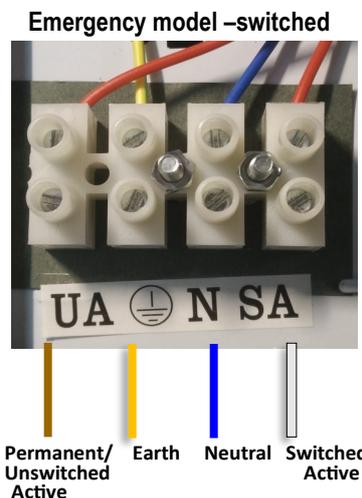
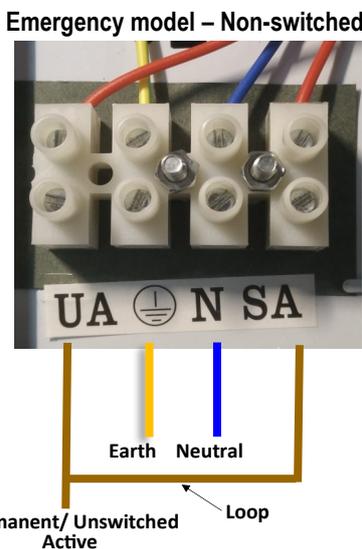
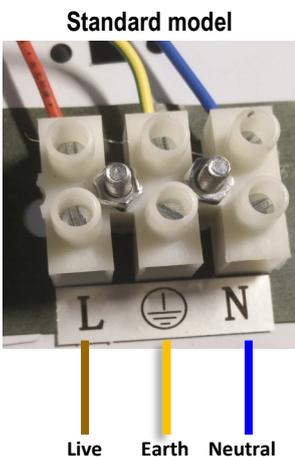
1. Remove diffuser cover;
2. Turn knobs to release and remove the gear tray. For emergency units, carefully unplug the green indicator cable (see picture right)
3. Feed mains cables into fitting and mount luminaire base to ceiling using the mounting brackets;
4. Hang gear tray onto luminaire base using the hanging clips;
5. Connect mains wiring to terminal block — see **Wiring** section;
6. Emergency Models Only - plug green indicator cable into driver. Ensure correct polarity is maintained by keeping the raised imprint & ink mark away from driver (see picture right);
7. Emergency Models Only - connect plug from battery cable to driver & record date of commissioning on battery;
8. Adjust microwave sensor settings as required — see **Microwave Sensor Settings** section.
9. Secure the gear tray and diffuser onto the base.



2. & 6. The raised imprint and ink marking should be facing away from the driver.

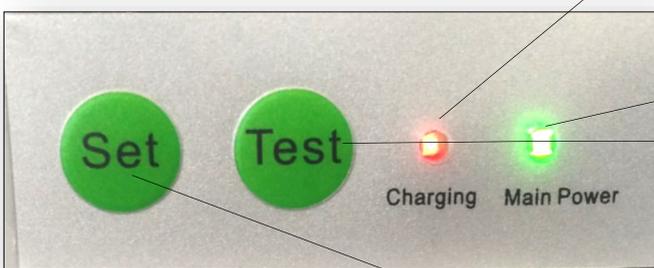
7. Battery Plug

Wiring



The emergency light requires permanent electrical supply and permanent active must not be switched. The permanent active **and** switched active have to be energised for the fitting to illuminate. If the switched active is turned off then the battery will charge but the fitting will not illuminate in normal mode.

Emergency Indicator



Red LED **ON** = Charging
Red LED **FLASHING** = Trickle charging
Red LED **OFF** = Battery fully charged

Green LED **ON** = Mains supply active

TEST BUTTON Pressing the test button will trigger emergency mode switching LED supply from mains to battery. As soon as the button is released the light will switch back to the mains supply.

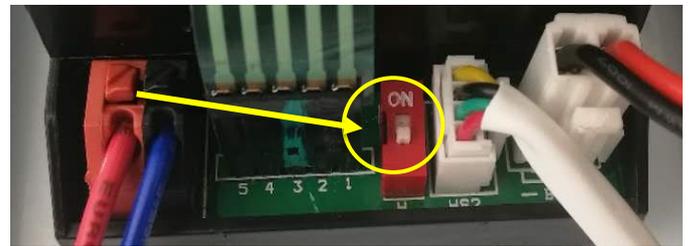
SET BUTTON This button has no function and is disabled.

If neither the green nor the red LED is on, check the mains wiring and ensure that the green indicator cable is connected in the correct polarity.

Half Power Switch

In areas where there is less light required, the full and standby power can be set to half. **Default setting: Full power.**

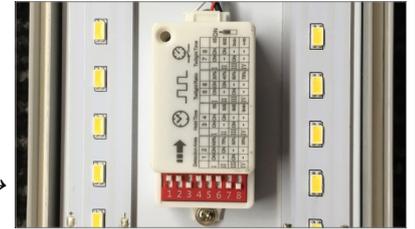
| | Half power switch | Operating mode |
|----|-------------------|----------------|
| I | ON | Half power |
| II | OFF | Full power |



Microwave Sensor Settings

The microwave sensor inside the diffuser is an active motion detector that emits a high frequency electro-magnetic wave (5.8GHz) and receives its echo. If it is necessary to check or adjust microwave sensor settings to suit the local conditions, remove the diffuser.

The microwave sensor is inside the diffuser →



Detection Area

Sensitivity can be adjusted to suit local conditions. If the sensor detects motion outside the desired detection area, reduce detection area setting to a lower value. **Default setting: 100%.**

| Detection Area | | | |
|----------------|-----|-----|-------|
| Dipswitch→ | 1 | 2 | Range |
| I | ON | ON | 100% |
| II | OFF | ON | 75% |
| III | ON | OFF | 50% |
| IV | OFF | OFF | 25% |

Hold Time

Refers to the time the luminaire remains at 100% after motion is no longer detected. **Recommended value: 30 seconds for stairwells/ corridors, 90 seconds for car park parking bays.** enLighten recommends to use permanently-on fittings in car park driveways.

| Hold Time | | | |
|------------|-----|-----|------------|
| Dipswitch→ | 3 | 4 | Time |
| I | ON | ON | 5 seconds |
| II | OFF | ON | 30 seconds |
| III | ON | OFF | 90 seconds |
| IV | OFF | OFF | 3 minutes |

Standby Level / Twilight Ratio

Refers to the illumination level after motion is no longer detected. Light can also be set to permanently-on. **Default setting: 20%.**

| Standby Level / Twilight Ratio | | | |
|--------------------------------|-----|-----|--|
| Dipswitch→ | 5 | 6 | Standby light output |
| I | ON | ON | 20% |
| II | OFF | OFF | 100% (light permanently-on/sensor disabled) |

Twilight Time

Refers to the time period the luminaire remains at standby level before switching off. **Recommended value: Infinity** - fitting remains at standby level during periods of no occupancy.

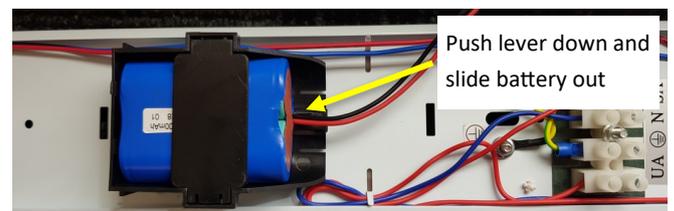
| Twilight Time | | | |
|---------------|-----|-----|-------------------------------------|
| Dipswitch→ | 7 | 8 | Time |
| I | ON | ON | 0 seconds (no standby) |
| II | OFF | ON | 90 seconds |
| III | ON | OFF | 3 minutes |
| IV | OFF | OFF | Infinity (always in 20% standby) |

Battery Change

! All electrical work must be carried out by a licensed electrician.

1. Isolate unit from mains power;
2. Remove diffuser and release gear tray;
3. Unplug battery plug from driver;
4. Remove battery from battery holder;
5. Insert new battery into battery holder, note the date of commissioning on the battery;
6. Plug battery cable into driver;

7. Secure gear tray and diffuser onto luminaire base;
8. Restore mains power to the unit;
9. Recycle battery



The battery is in a battery holder on the gear tray.

! **NOTE:** The light must be operated within its specified operating parameters and in accordance with our warranty requirements. These documents are available on our website.