



enLighten

# Vico LED Batten

## Installation Instructions



**NEW:** Half-power option available by changing the dip-switches in the sensor models (BL18S, BL18ES, BL36S, BL36ES, BL44S, BL44ES)



**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.

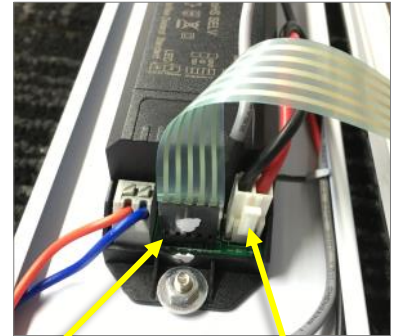
All entry points should be sealed properly to maintain the IP65 rating of the fitting. Warranty void if water damage found.

**It is the responsibility of the installer and testing contractor to ensure the following to avoid premature battery failure:**

- Emergency fittings should be installed within a reasonable timeframe 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.
- After a discharge test has been performed, mains power should be restored as soon as possible. Periods greater than 3 days in discharged state may damage the battery.

### Mounting

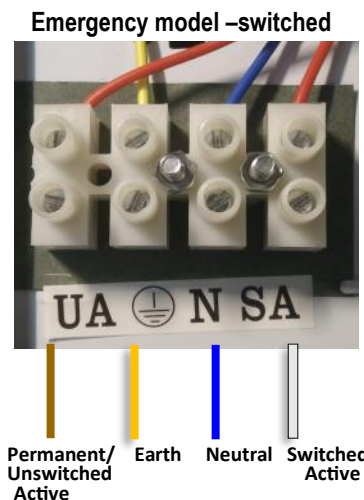
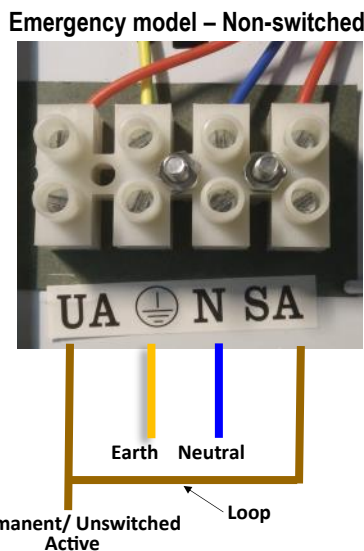
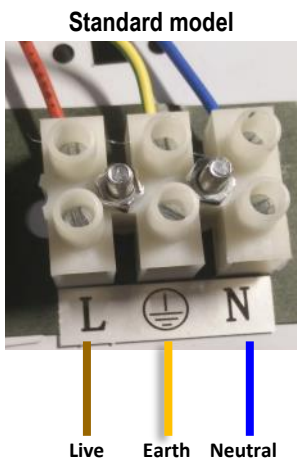
1. Remove diffuser cover;
2. Turn knobs to release and remove the gear tray. For emergency units, carefully unplug the green indicator cable (see picture right)
3. Feed mains cables into fitting and mount luminaire base to ceiling;
4. Hang gear tray onto luminaire base using the bungy cord;
5. Connect 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.

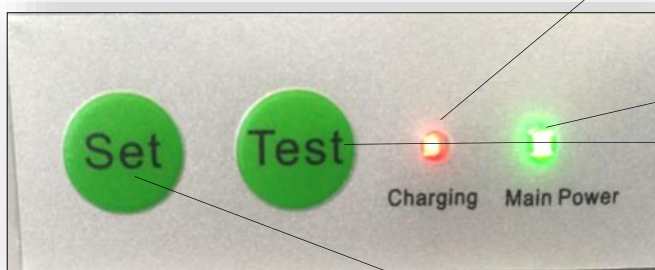
**7.** Battery Plug

### 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 not connected

Green LED **ON** = Mains supply active

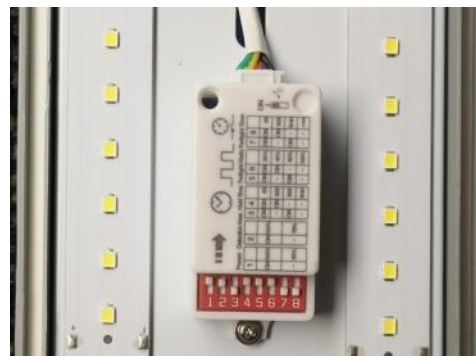
**TEST BUTTON** Pressing the test button will trigger emergency mode switching LED supply from mains to battery. As soon as the button is released the light will switch back to the mains supply.

**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.

## 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 →

### Power Setting

The full power level can be set to 100% or 50%. The 50% setting is useful in areas where less light is required.

**Recommended value: 100%.**

Power setting		
Dipswitch→	1	Full Power
I	ON	100%
II	OFF	50%

### 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. **Recommended value: 100%.**

Detection Area		
Dipswitch→	2	Range
I	ON	100%
II	OFF	50%

### Hold Time

Refers to the time the luminaire remains at 100% after motion is no longer detected.

**Recommended value: 30 seconds for stairwells, 90 seconds for car parks.**

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. **Recommended value: 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	<b>Infinity</b> (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. Unscrew battery from gear tray and remove battery;
5. Screw new battery onto gear tray, 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;



The battery is screwed to 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.