



NOTE: ALL ELECTRICAL WORK MUST BE CARRIED OUT BY A LICENSED ELECTRICIAN AS PER THE LATEST AS 3000 WIRING REGULATIONS.

WARNING: ALL MAINTENANCE, SUCH AS BATTERY CHANGE ON THIS LUMINAIRE, TO BE PERFORMED BY A QUALIFIED PERSONNEL ONLY. DE-ENERGIZE ALL SUPPLIES BEFORE MAINTENANCE.

- This luminaire contains non-user replaceable lamps. 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 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.



enLighten

Vico LED Batten

Installation Instructions

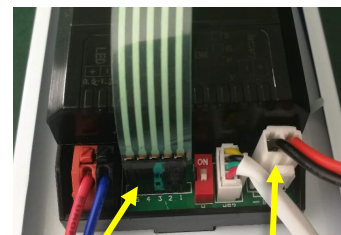
BL06xx, BL12xx, BL15xx models



NEW: Half-power option available by changing the dip-switch on the driver.
Maximum timer setting changed to 10 minutes

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.

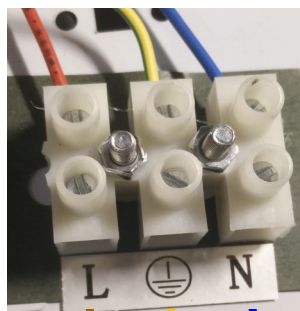


2. & 6. The raised imprint and ink marking should be facing away from the driver.

7. Battery Plug

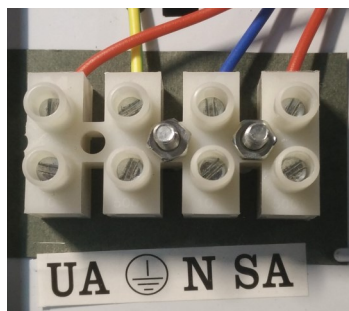
Wiring

Standard model



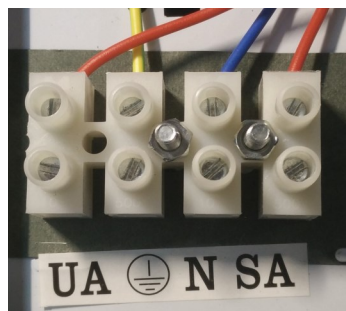
Live Earth Neutral

Emergency model – Non-switched



Earth Neutral
Permanent/Unswitched Active Loop

Emergency model –switched

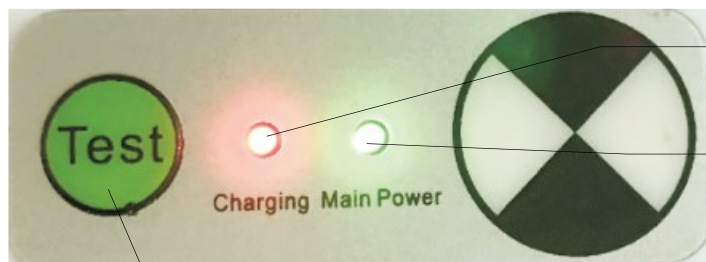


Permanent/Unswitched Active Earth Neutral Switched Active



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 Models: Indicator & Simulation of Normal Power Supply Failure



Red LED **ON** = Charging
Red LED **OFF** = Battery fully charged

Green LED **ON** = Mains supply active
Green LED **OFF** = Mains supply failure

TEST BUTTON Press & hold the Test button to simulate normal power supply failure. This will trigger emergency mode switching LED supply from 240V supply to battery. Releasing the button will restore normal power to the luminaire.

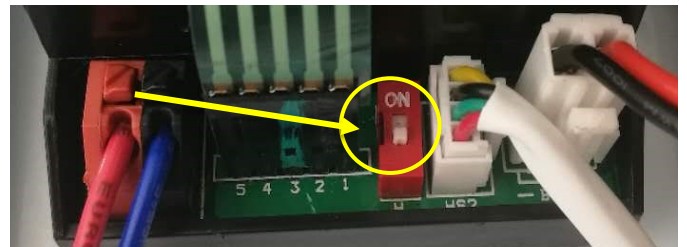
If neither the green nor the red LED is on, check the mains wiring and ensure that the green indicator cable is connected in the correct polarity.

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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.**

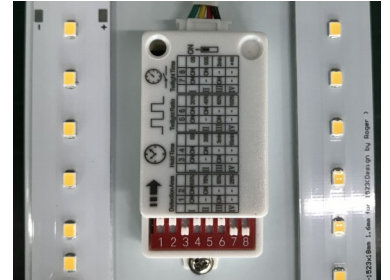
	Half power switch	Operating mode
I	ON	Half power
II	OFF	Full power



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%

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)

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	3 minutes
IV	OFF	OFF	10 minutes

Battery Replacement

This luminaire requires a change of battery when it no longer meets its rated duration of operation i.e. 90 minutes after receiving full charge.

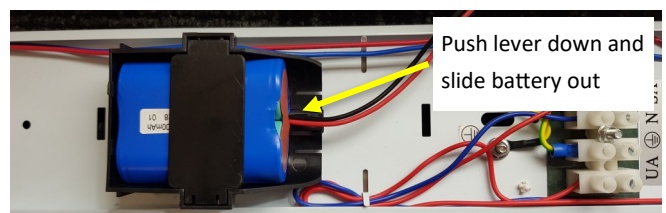
Follow the below instructions to carry out battery replacement:



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. Contact your local battery recycler for details on how to recycle the LiFePO4 batteries.



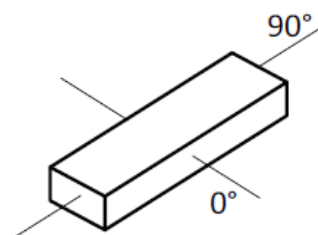
The battery is in a battery holder on the gear tray.



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.

Key Luminaire Specifications					
Model	Version	Power Rating	Ambient Temperature	Emergency Classification	Battery
BL15ES	Sensor Emergency	200-240V 50/60Hz, 44W	0°C to +40°C	Maintained C0: D80; C90: D50	6.4V 3000mAh LiFePO4
BL15E	Emergency	200-240V 50/60Hz, 44W	0°C to +40°C	Maintained C0: D80; C90: D50	6.4V 3000mAh LiFePO4
BL15S	Sensor	200-240V 50/60Hz, 42W	-20°C to +40°C	n.a.	n.a.
BL15	Standard	200-240V 50/60Hz, 42W	-20°C to +40°C	n.a.	n.a.
BL12ES	Sensor Emergency	200-240V 50/60Hz, 36W	0°C to +40°C	Maintained C0: D80; C90: D50	6.4V 3000mAh LiFePO4
BL12E	Emergency	200-240V 50/60Hz, 36W	0°C to +40°C	Maintained C0: D80; C90: D50	6.4V 3000mAh LiFePO4
BL12S	Sensor	200-240V 50/60Hz, 30W	-20°C to +40°C	n.a.	n.a.
BL12	Standard	200-240V 50/60Hz, 30W	-20°C to +40°C	n.a.	n.a.
BL06ES	Sensor Emergency	200-240V 50/60Hz, 18W	0°C to +40°C	Maintained C0: D100; C90: D50	6.4V 3000mAh LiFePO4
BL06E	Emergency	200-240V 50/60Hz, 18W	0°C to +40°C	Maintained C0: D100; C90: D50	6.4V 3000mAh LiFePO4
BL06S	Sensor	200-240V 50/60Hz, 16W	-20°C to +40°C	n.a.	n.a.
BL06	Standard	200-240V 50/60Hz, 16W	-20°C to +40°C	n.a.	n.a.

**C0 & C90 Orientation
for Emergency Luminaire**



Dimensions

