

# BBEM

## EMERGENCY LIGHTING MODULE



### PRODUCT CODE - ML-BBEM

**PRODUCT DESCRIPTION:** EMERGENCY ILLUMINATION SYSTEM FOR THE BB MULTI SERIES (M-BB60-MULTI & ML-BB120-MULTI)

**KIT INCLUDES:** 1 X EMERGENCY LED ENDCAP, 1 X EMERGENCY DRIVER (INBUILT BATTERY AND 1 X USER GUIDE.

### TECHNICAL INFORMATION

**Input Voltage:** 90-265 Vac 50/60Hz

**Output Voltage:** 3-18VDC

**Output Power (LED):** 2W

**Power Factor:** >0.93

**Battery Voltage:** 3.7V

**Temperature Range:** Ta: 40°C Tc: 70°C

**LIR Battery:** 3.7V 2500mAh

**Discharge Duration:** > 3Hours

**Charge Time:** 24hrs

**Lumen Output:** 140lm

**Inverter Size:** 150\*40\*30mm

**Warranty:** 5 Years\*

**Length:** 614 mm | **Width:** 74 mm | **Height:** 67 mm

\* Excludes Battery Life

Complies to: AS/NZS 60598.2.2

### LED INDICATOR

**RED LED:** Charging indicator – the internal battery is charging.

**GREEN LED:** Normal state – indicates mains power present and the system is operating normally with charged battery.

**NO LED:** No power is on. In a no power state this LED will be off.

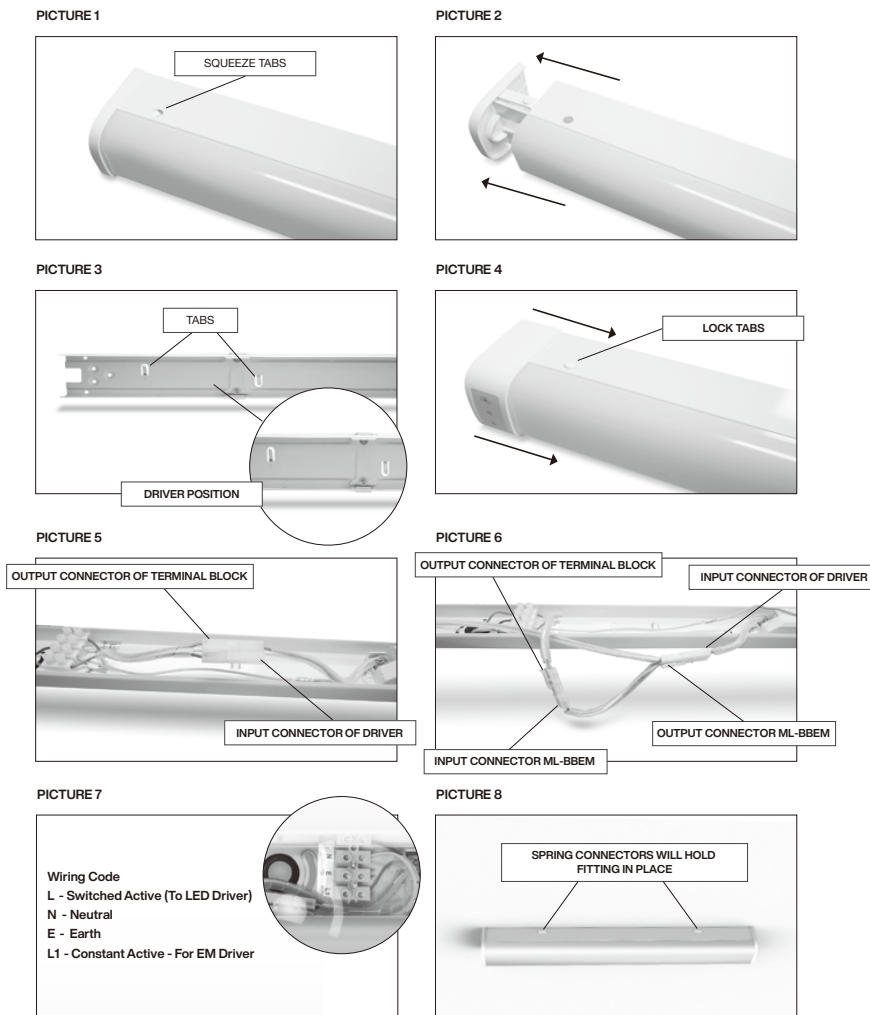
**TEST BUTTON:** Press button to simulate loss of mains power to check emergency light illumination and battery charging indicator function after test is completed.

**MUST BE INSTALLED BY LICENSED ELECTRICIAN.**



### INSTALLATION INSTRUCTIONS

1. Before commencing installation or maintenance, ensure electricity is switched off at the mains.
2. By pressing side tabs on the fitting IN separate the "top" of the fitting from the "base".
3. Remove the endcap on the opposite side of the driver by squeezing the tabs each side and pulling out (picture 1 & picture 2).
4. Install the ML-BBEM driver into position as shown and bend tabs to secure (picture 3).
5. Install the ML-BBEM endcap as shown by pushing until the tabs are locked securely (picture 4).
6. Disconnect the "OUTPUT" connector of the terminal block from the "INPUT" connector of the driver on the BB-MULTI (picture 5).
7. Connect the "INPUT" connector of the ML-BBEM unit to the "OUTPUT" connector of the terminal block on the BB-MULTI (picture 6).
8. Connect the "OUTPUT" connector of the ML-BBEM unit to the "INPUT" connector of the driver on the BB-MULTI (picture 6).
9. Ensure constant active is wired to the terminal block as shown in the wiring code (picture 7).
10. Ensure all wiring and cable are secure using the inbuilt cable holders.
11. Snap the "top" onto the "base" to its original position (picture 8).
12. Make sure all 4 spring connectors are in place securely holding the "top" in place.
13. Once completed, tested & safe, the power can be restored.



### INSTALLATION INSTRUCTIONS - MLBBSN

**NOTE: BOTH ML-BBEM & ML-BBSN CAN BE INSTALLED SIMULTANEOUSLY IN THE ML-BB120 MULTI ONLY.**

1. Follow the installation instructions to point 6 for ML-BBEM & ML-BBSN
2. Connect the "INPUT" connector of the ML-BBEM unit to the "OUTPUT" connector of the terminal block on the ML-BB120-MULTI
3. Connect the "OUTPUT" connector of the ML-BBEM unit to the "INPUT" connector on the ML-BBSN unit.
4. Connect the "OUTPUT" connector of the ML-BBEM unit to the "INPUT" connector of the driver on the ML-BB120-MULTI.
5. Ensure constant active is wired to the terminal block as shown in the wiring code (picture 7).
6. Set the ML-BBSN to the desired settings.
7. Ensure all wiring and cable are secure using the inbuilt cable holders.
8. Snap the "top" onto the "base" to its original position. Make sure all 4 spring connectors are in place securely holding the "top" in place.
9. Once completed and safe, the power can be restored.