

ToughLED™ Pro Emergency pack(JCEM003/JCEM003ST)

WARNINGS AND CAUTIONS

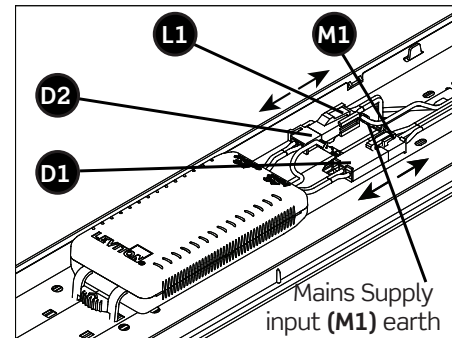
- To be installed in accordance with the local current wiring regulations and standards
- To avoid electric shock, serious injury or property damage, isolate power before installing, removing or servicing the product
- It is recommended that this product is installed by an electrician or a competent person with sufficient experience to install this product
- Any broken or damaged parts should be replaced as soon as possible.
- JCC will not accept responsibility for claims arising from sub-standard installations; which will void the warranty
- Read instructions and check that you have all of the tools and accessories to complete the installation correctly. Isolate power supply before starting the installation.

INSTALLATION INSTRUCTIONS

ENGLISH

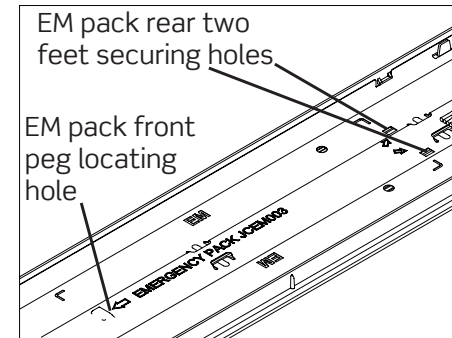
Installation instructions to connect Emergency pack to standard fitting

Fig.1.



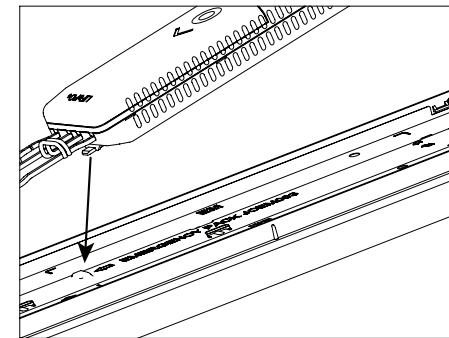
Open the fitting by releasing the clips on the body to access the gear tray. Disconnect the mains input “plug and play” connector (M1) from the driver connector (D1) and disconnect the earth lead on the mains input (M1) from the tray. Then disconnect the LV output (D2) from the LED's (L1) on the gear tray(Fig.1.)

Fig.2.



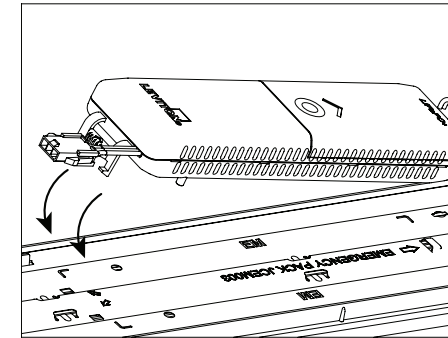
Locate the EM pack position on the gear tray (Fig.2.) The EM pack has been designed to clip directly to the gear tray. It will only fit in one way.

Fig.3.



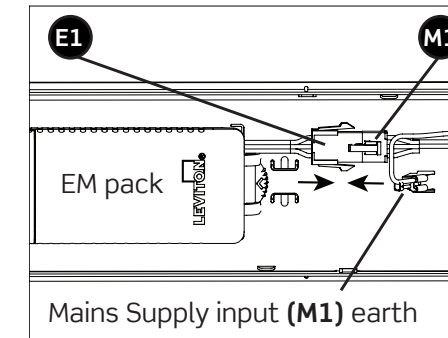
Push the EM pack front locating peg into the gear tray as indicated in the illustration above(Fig.3.) until secure.

Fig.4.



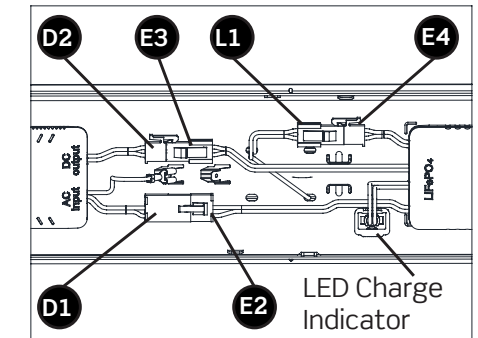
Then lay the EM pack down onto the gear tray. Clip into place with the rear two feet on the opposite end of the EM pack (Fig.4.)

Fig.5.



Connect the mains input connector (M1) to the mains input connector on the EM pack (E1) and re-connect the earth lead on the mains input (M1) onto the tray adjacent to the EM pack.(Fig.5.)

Fig.6.



Then connect the EM pack mains output connector (E2) to the driver mains input (D1). Then connect the Driver LV output (D2) to the EM pack LV input(E3). After this, you then connect the LV EM pack output(E4) to the LED's (L1) on the gear tray (Fig.6.) Fit LED charge indicator into the holder and fit to gear tray.

Ensure any excess cables are secured into the body using the cable restraint clips in the body, this will ensure that they do not get trapped when refitting the gear tray to the body. Install the fitting using the product instructions for reference, then check for correct operation.

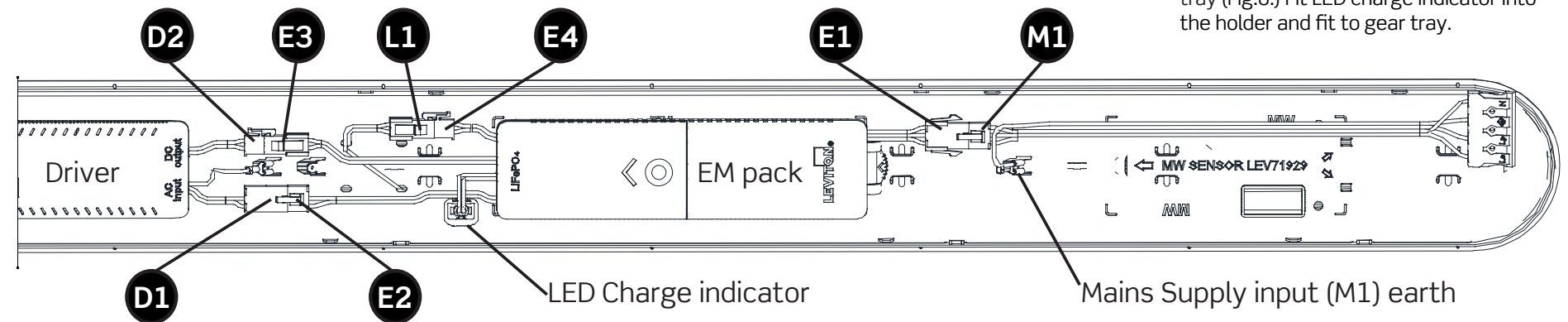
For use with ToughLED™ Pro fittings only

SELF-TEST VERSION LED CHARGE INDICATOR

Fault/Test/Status	Reason	Indicator Status
Battery charged	Normal operation	Solid green
Battery charging	Initial charge/top up	Flashing green 1sec on 1sec off
Auto test 3 hours	Annual Test	Flashing green 3sec on 1sec off
Auto test 5 mins	Monthly test	Flashing green 3sec on 3sec off
Duration test fault	Failed Monthly/annual test	Flashing red 0.5sec on 0.5sec off
LED fault	Not connected/damaged/faulty	Flashing red 2sec on 2sec off
Battery fault	Not connected/damaged/faulty	Solid red

STANDARD VERSION LED CHARGE INDICATOR

LED Charge Indicator operation: Green light on: charging/normal operation
No indicator light on: indicates fault



Emergency range routine inspection and test

All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 as indicated below:
Daily: Indicators of the emergency remote pack should be visually inspected for correct operation.

Monthly: (in addition to the daily check) If automatic testing devices are used, the results of the short duration tests shall be recorded. Test shall be carried out as follows:

Switch the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the normal lighting, for a period sufficient to ensure correct luminaire operation.

NOTE:

The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g. lamps. During this period, all luminaires and signs shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the supply to the normal lighting should be restored and any indicator lamp or device should be checked to ensure that it is showing that the normal supply has been restored.

Annually: If automatic testing devices are used, the results of the short duration tests shall be recorded. For all other systems the monthly inspection shall be carried out and the following additional tests made:

- Each luminaire and internally illuminated sign shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
- The normal supply for the luminaire should be restored and any charge indicator lamp or device should be checked to ensure that it shows the normal supply has been restored. The charging arrangements should be checked for proper functioning.
- The date of the test and its results shall be recorded in the system logbook.

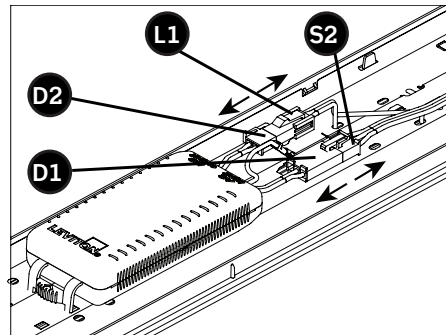
A copy of this report must accompany any fitting returned to the manufacturer for any reason.

INSTALLATION INSTRUCTIONS

ENGLISH

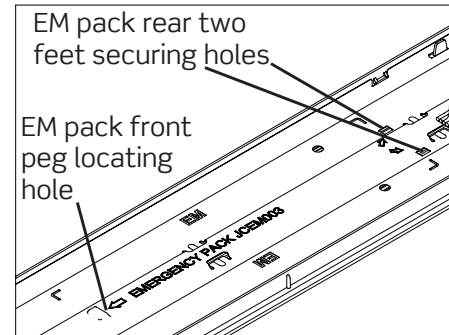
Installation instructions to connect Emergency pack to Sensor fitting

Fig.1.



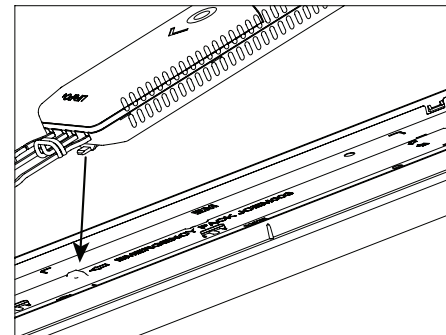
Open the fitting by releasing the clips on the body to access the gear tray. Disconnect the Sensor mains output “plug and play” connector (S2) from the driver connector (D1). Then disconnect the LV output (D2) from the LED’s (L1) on the gear tray(Fig.1.)

Fig.2.



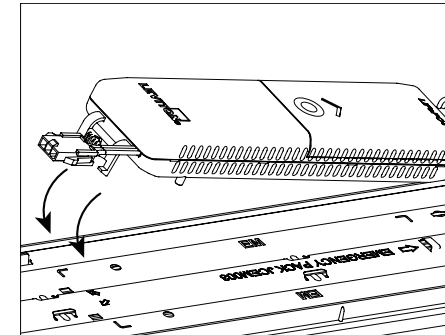
Locate the EM pack position on the gear tray (Fig.2.) The EM pack has been designed to clip directly to the gear tray. It will only fit in one way.

Fig.3.



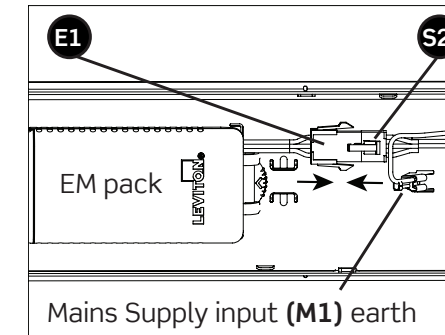
Push the EM pack front locating peg into the gear tray as indicated in the illustration above(Fig.3.) until secure.

Fig.4.



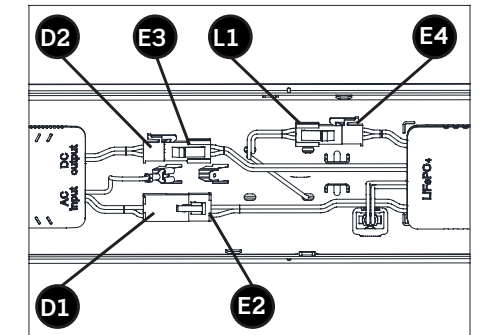
Then lay the EM pack down onto the gear tray. Clip into place with the rear two feet on the opposite end of the EM pack (Fig.4.)

Fig.5.



Coil up the excess cable from the Mains output connector (S2) and secure. Then connect the Sensor mains output connector (S2) to the mains input connector on the EM pack (E1) and ensure the earth lead on the mains input (M1) is connected to the tray adjacent to the EM pack.(Fig.5.)

Fig.6.



Then connect the EM pack mains output connector (E2) to the driver mains input (D1). Then connect the Driver LV output connector (E4) to the LED’s (L1) on the gear tray (Fig.6.) Fit LED charge indicator into the holder and fit to gear tray.

Ensure any excess cables are secured into the body using the cable restraint clips in the body, this will ensure that they do not get trapped when refitting the gear tray to the body. Install the fitting using the product instructions for reference, then check for correct operation.

For use with ToughLED™ Pro fittings only

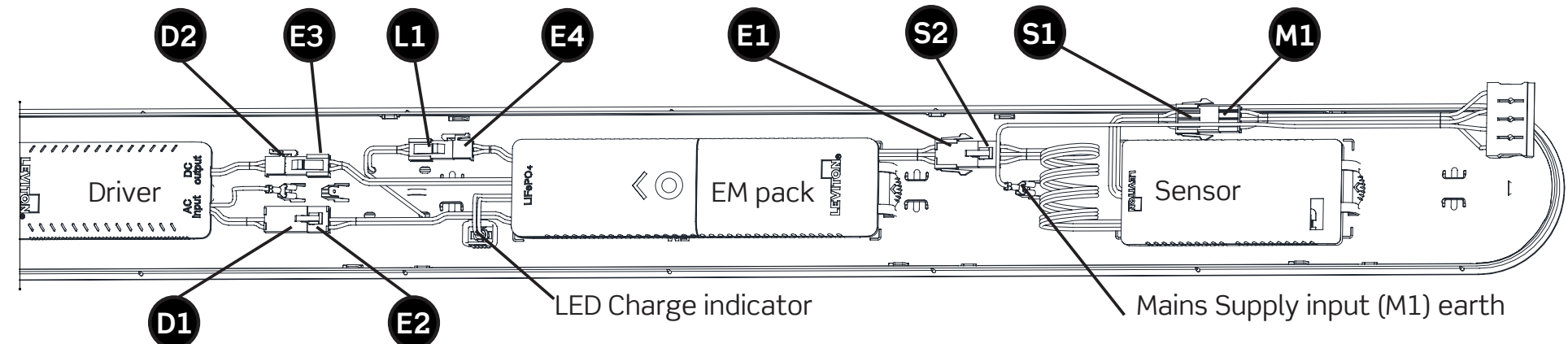
Emergency test record sheet

Month	Test Type Functional/ 3 hour	First Year		Second Year		Third Year		Fourth Year		Fifth Year	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											

Important warranty information

This product is supported by a 2-year standard warranty which will extend to 5 years if registered within the first year of purchase. (5 year on batteries). Please register at jcc.co.uk/warranty Terms and conditions apply.

The installer will be asked to provide the following information. Which is detailed on a label attached to the product’s chassis:
Product Code/Date Code.



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