

INSTALLATION & MAINTENANCE MANUAL

TRLED151EM / TRLED221EM

GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.

These instructions should be used to aid installation of the following products:

TRLED151EM / TRLED221EM

SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
- This product is Class I and must be earthed
- This product is IP65 rated

INSTALLATION

Note - If this product is being used in conjunction with an external PIR or sensor, please confirm with the manufacturer of the sensors that they are compatible with LED luminaires.

- Provide power to the required point of installation (refer to BS7671 for correct cabling methods). Suitable IP rated junction boxes should be used where required
- Using the mounting brackets as a template, mark the location for, and drill the fixing holes ensuring not to infringe with any gas/water pipes or electrical cables. Fixing centres are shown in Fig. 1



Fig. 1

	L (mm)	L (ft)	A1 (mm)
TRLED221EM	653	2	390
TRLED151EM	1563	5	1000

- Secure the mounting brackets to the surface using suitable fixings (not included)
- Unfasten the clips on either side of the fitting (see Fig. 2)

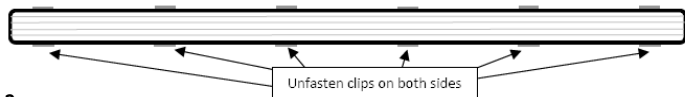


Fig. 2

- Remove the gear tray from the baseplate by pinching the clips at two locations (see Fig. 3)

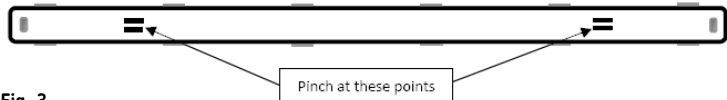


Fig. 3

- Feed the mains cable through the compression gland provided at the end of the fitting
- Connect the luminaire to the mains supply ensuring the correct polarity is observed: L - Permanent Live, Emergency (Brown), SL - Permanent Live (Brown), E - Earth (green/yellow), N - Neutral (blue) (see Fig. 4)

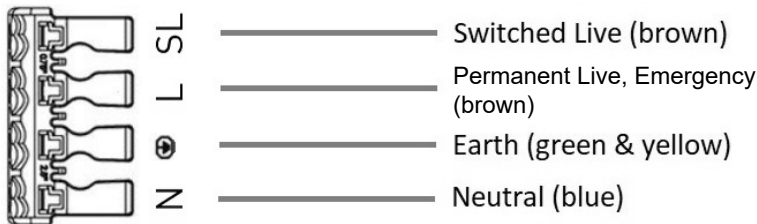


Fig. 4

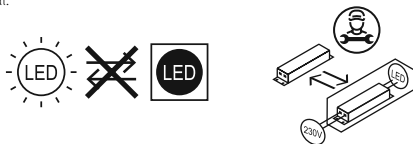
- Connect the battery pack to the emergency inverter via the plug and socket
- Align the fitting with the mounting brackets and clip into place
- Tighten the compression gland ensuring a tight seal is made
- Replace the gear tray and diffuser ensuring all clips are fastened securely
- Switch on and check for correct operation, ensuring the green indicator LED is illuminated
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test
- If the batteries have been left in a discharged state for an extended period, we recommend that one or more charge and discharge cycles are completed which should help to restore the battery capacity

WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

GENERAL

This product contains a light source of energy efficiency class D to Regulation (EU) No. 2019/2015.
This product contains a non-replaceable LED light source and a control gear which can be replaced by a professional.



Clean the external surfaces with a damp cloth using a mild solution of detergent and warm water only, do not use aggressive cleaning products or solvents which may damage the product.

Do not use any source of high-pressure washers to maintain or clean this luminaire.

This product is non-dimmable.

This product should be dismantled for disposal when it reaches the end of its life. Please see website for dismantling instructions.

This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.

WARRANTY

This product has a warranty of 5 years (excluding battery) from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266

- Daily check – check LED charge indicator is illuminated
- Monthly functional test - simulate a mains supply failure for approx. 30 seconds by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- Annual 3-hour duration test - simulate a mains supply failure for three hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- If the luminaire fails any of the above tests, please contact a qualified electrician. See below for test record sheet

TEST RECORD SHEET

INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
		FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
MONTH	TEST	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by:

Installation date:

Contact number:

**INTERNATIONAL
CONTACT DETAILS**



110V



IP65



**-20~
35°C
TA**

ML
ACCESSORIES LTD



**UK
CA** **CE**



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