

INSTALLATION & MAINTENANCE MANUAL  
TRLEDxxEM

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# 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:

TRLED14EM / TRLED15EM / TRLED15EMD / TRLED16EM / TRLED16EMD / TRLED24EM / TRLED25EM / TRLED25EMD / TRLED26EM / TRLED26EMD

# SAFETY

- Installation of this luminaire should only be carried out by a qualified electrician or competent person to the latest Building and current IEE Wiring Regulations (BS7671)
- Please isolate mains prior to installation/maintenance
- Check the total load on the circuit (including when this luminaire and LED load is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress of Protection) rating of this product when deciding the location for installation
- We recommend a minimum charge period of 24 hours before completing an initial emergency duration test
- This product is Class I and must be earthed
- Installing in areas where the temperature consistently drops below 0°C may shorten the battery life
- This product is IP65 rated
- This product is non-dimmable

**Note:** Outdoor electrical installations should be protected by an earth leakage circuit breaker such as a residual current device (RCD)

# INSTALLATION

**Note:** If this luminaire is being used in conjunction with external PIR or sensors, please confirm with the manufacturer of the sensors that they are compatible with LED luminaires

- Provide power to the required point of installation
- Important: Subject to the surface foundation material, ensure the correct fixings are used if installed outside, the mains cable should be connected into a suitable IP rated junction box
- Referring to Fig 1, using the mounting brackets as a template mark the location of the fixing holes. Drill the fixing holes ensuring not to infringe with any joists, gas/water pipes, or electrical cables that may be hidden behind the surface

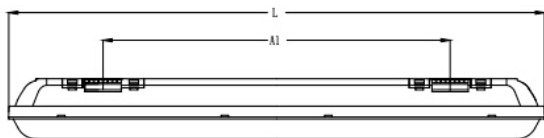


Fig 1

- Unfasten clips on either side of the fitting (see Fig 2)

	L (mm)	L (ft)	A1 (mm)
TRLED14EM	1263	4	900
TRLED15EM/EMD	1563	5	1000
TRLED16EM/EMD	1828	6	1000
TRLED24EM	1263	4	900
TRLED25EM/EMD	1563	5	1000
TRLED26EM/EMD	1828	6	1000

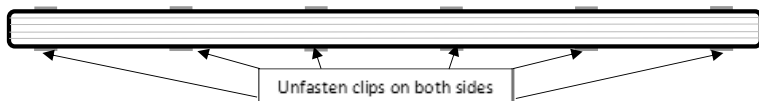
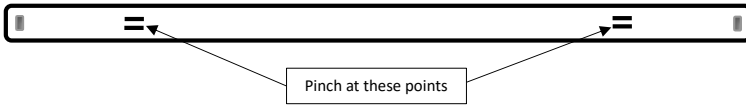


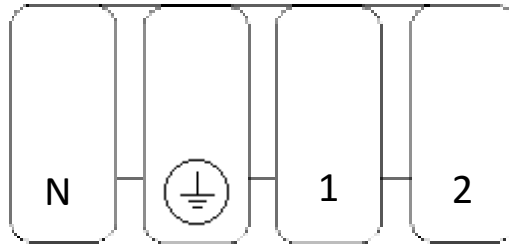
Fig 2

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



**Fig 3**

- When using as a singular fitting, feed cable through compression gland (supplied) at the end of the fitting
- Connect the battery pack to the emergency inverter via the plug and socket  
Connect the Neutral (blue), Earth (yellow and green), Live (1) and Switched Live (2) (see Fig 4)



**Fig 4**

- Replace the gear tray and diffuser ensuring all clips are fastened correctly
- Align the fitting with the mounting brackets and fix into place
- Switch on power supply and check for correct operation

**Note:** This fitting can be linked to another fitting by using the terminal connector (see Fig 4) at the opposite end to the incoming power supply. There are knock-outs at both ends of the fitting which can be drilled using a 20mm holesaw. The IP65 rating will be maintained when a 20mm compression gland (supplied) is used in the drilled hole.

## WARNING

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

## GENERAL

The product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist. 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 performed, which should restore the battery to its full capacity. The batteries in this luminaire are Nickel Cadmium and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste. Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.

# 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, improper use, or removal of the batch codes 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. Warranty only valid if test procedure BS5266 has been complied with. 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 LUMINARES

## RECOMMENDED ROUTINE TEST PROCEDURE IN ACCORDANCE WITH BS5266

We recommend a minimum charge period of 24 hours before completing an initial commissioning emergency duration test

**Daily check** – check that the status GREEN LED indicator is illuminated.

**Monthly functional test** – simulate a mains supply failure for approx. 30 secs by operation of key switch or switching off a circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

**Annual full three hour duration test** - conduct a three hour continuous 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 the indicator status LED is illuminated.

If the luminaire fails any of the above tests, please consult a qualified electrician

TEST RECORD SHEET											
INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		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:



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