





Emergency Kit Add On for use with LTWPLED Fittings







Please read these instructions and retain them for future reference.

Important information:

It is recommended that this fitting is installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control.

- This product is designed for connection to a 220-240V mains supply.
- Only mount on level and stable surfaces.
- We cannot accept responsibility for any claims arising from a poor installation.
- Always switch off mains supply before installation.
- The light fitting is Class I and requires an earth connection.

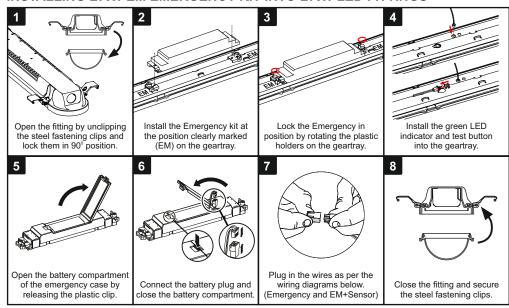
SPECIFICATIONS:

Output Wattage	2.5W	Emergency Operation Time	>3 h	Battery Type	LiFePO4 18730
Input Voltage	220-240Vac 50/60Hz	Emergency Onversion Time	<1s	Battery Capacity	2000mAh
Input Current (max)	40mA	Test Function	Manual	Battery Voltage	6.4V
Output Voltage	30-210Vdc	Length x Width x Depth	220 x 42 x 28mm	Battery Charge Voltage	7.5 Vdc
Output Current	10-85mA	Input Connection	Male/Female Plugs	Battery Charge Current	30-250 mA
Open Circuit Voltage	310Vdc	Output Connection	Male/Female Plugs	Battery Discharge Voltage	5.8-7.4 Vdc
Maximum Working Voltage	310Vdc	Maximum Case Temperature	75°C	Battery Discharge Current	400-500 mA
IP Rating	IP20	Ambient Temperature Range	0 to 50°C	Charging Time	>24h
Input to Output Protection	Double Insulation			Battery Life	2 Years

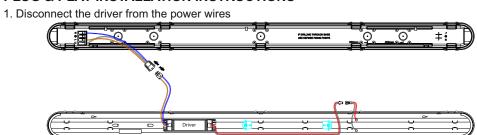
FEATURES:

- For maintained or non-maintained emergency lighting systems
- Conforms to EN 61347-1 and EN 61347-2-7and EN 61347-2-13
- Wired between driver and LED module via internal plugs
- Voltage change-over threshold according to EN 60598-2-22
- Over 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Test Button for a quick functional test
- Green charging status LED
- Constant power output

INSTALLING LTWPEM EMERGENCY KIT INTO LTWPLED FITTINGS



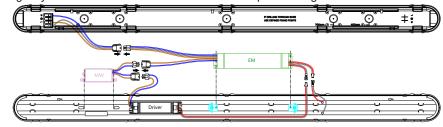
PLUG & PLAY INSTALLATION INSTRUCTIONS



2a. Emergency Kit only - Connect the wires as per the diagram below:



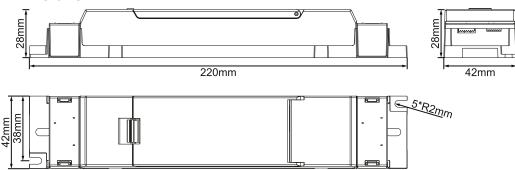
2b. Emergency Kit + MW Sensor - Connect the wires as per the diagram below:



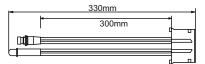
Emergency Testing and Battery Maintenance:

- Initial battery charge must be for a minimum of 24 hours before testing.
- To achieve best performance the LTWPEM should be tested fully by switching into emergency mode regularly in accordance with local testing regulations. Any warranty claim must be accompanied by documentation which records the dates of this maintenance procedure and signed by maintenance personnel.
- When first connecting to AC power check if the Green LED light is lit confirming that the battery is charging.
- Turn the power off to simulate mains supply failure. The Green LED should go off & the fitting will be in emergency mode.
- The battery must be replaced when the unit no longer meets the rated emergency duration or if there is a battery fault.

DIMENSIONS:



INDICATOR & TEST BUTTON CABLE:

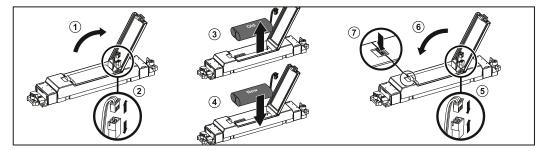


INDICATOR HOLDER:





BATTERY REPLACEMENT:



ENVIRONMENTAL PROTECTION:

Pay attention to the environment when disposing of the battery - do not dispose of it with your normal household waste, please recycle where facilities exist. New regulations encourage the recycling of waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).



TROUBLESHOOTING:

Most failures experienced are not due to the LTWPEM itself and are caused by improper installation or connection of the unit. Please check that:

- · Wires are properly clamped into terminals.
- Installation is done according to the wiring diagram.
- Proper polarities are observed.

Keep a record of maintenance and maintain the emergency pack and LED fitting regularly. Check regularly to ensure its lifespan and usage.

Luminaire Ref/Location	ocation		In Case	of difficulty	In Case of difficulty, contact the Installation Engineer:	nstallation	Engineer:			
			-		-		Tel:			
Full Rec	Full Recharge Time 24 Hours	Hours		Durati	Duration 3 Hours			Lamp Type - LED	oe - LED	
				ROUTIN	ROUTINE TEST RECORD	CORD				
	Year 1	_	Year 2	2	Year 3	3	Year 4		Year 5	10
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
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Functional										
Three Hour										