





# Emergency Kit Add On Module Plug & Play









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.

## **FEATURES:**

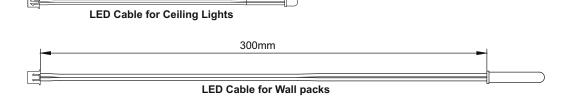
- For maintained or non-maintained emergency lighting systems
- Easy plug & play install between driver and LED module via internal plugs
- Conforms to EN 61347-1, EN 61347-2-7 and EN 61347-2-13
- Thermal & surge protection
- Voltage change-over threshold according to EN 60598-2-22
- Over 3 hours rated 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

150mm

- Green charging status LED
- Constant power output

## **DIMENSIONS:** 143.0mm EM 62.0mm Battery 133.5mm

## **INDICATOR CABLE:**



## **TECHNICAL SPECIFICATION**

Output Wattage	2W	Emergency Operation Time	>3h	Battery Type	LiFePO4
Input Voltage	220-240Vac 50/60Hz	Emergency Conversion Time	<1s	Battery Capacity	1000mAh
Input Current (max)	30mA	Test Function	Manual	Battery Voltage	6.4V
Output Voltage	50-200Vdc	Length x Width x Depth	143x62x22mm	Battery Charge Voltage	7.2Vdc
Output Current	8-30mA	Input Connection	Male/Female Plugs	Battery Charge Current	70-260mA
Open Circuit Voltage	200Vdc	Output Connection	Male/Female Plugs	Battery Discharge Voltage	5.8-7.4Vdc
Maximum Working Voltage	200Vdc	Maximum Case Temperature	75°C	Battery Discharge Current	248-320mA
IP Rating	IP20	Ambient Temperature Range	0 to 50°C	ChargingTime	>24h
Input to Output Protection	Double Insulation	Power factor	0.4	BatteryLife	3Years

#### PROTECTION FUNCTION

ITEM	Requirement	Comments
Short Circuit	yes	Recovers automatically after fault condition is removed
Output Voltage	≤200V	

#### ISOLATION FUNCTION

ITEM	Test Method	Test Conditions
Dielectric strength	Input To Output	2000Vac OR 5300Vdc, Leakage Current≤5mA
Isolation Impedance	Input To Output	DC500V $10M\Omega$ /min(at room temperature)
Leakage Current	Input To Output	Input 120Vac 60Hz ≤ 0.75mA

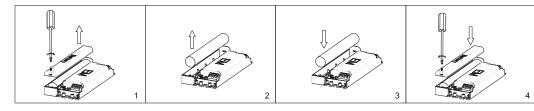
#### **ENVIRONMENT REQUIREMENT**

ITEM	UNIT	MIN	Rated	MAX	REMARK
<b>-</b> .	0.0	0	25	55	Operation Temperature
Temperature	°C	-40	25	85	Storage Temperature
Llumiditu	°C	20%-	90% RH non	-condensing	Operation Humidity
Humidity	٠.	5%-95% RH non-condensing Storage Humidity		Storage Humidity	
Cooling Mode		Air Cooling		g	

## **Emergency Testing and Battery Maintenance:**

- Initial battery charge must be for a minimum of 24 hours before testing.
- To achieve best performance the LTEM 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.

## **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:	ıstallation	Engineer:			
			-				Tel:			
Full Rec	Full Recharge Time 24 I	Hours		Duration	Duration 3 Hours			Lamp Type - LED	e - LED	
				ROUTIN	ROUTINE TEST RECORD	ORD				
	Year '	1	Year 2	2	Year 3	3	Year 4	4	Year 5	2
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
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Three Hour										