

# Installation & Wiring Instructions MPR/NM3/ST Self-Test Emergency LED for Surface Mounting

**PLEASE READ** THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

## Description:

The MPR/NM3/ST is a standalone self-test 3 hour non-maintained emergency luminaire suitable for surface mounting. The LED is driven at 700mA from a 9.6V 1.5Ah lithium iron phosphate (LiFePO<sub>4</sub>) battery that provides a high output to the LED emitter in emergency conditions.

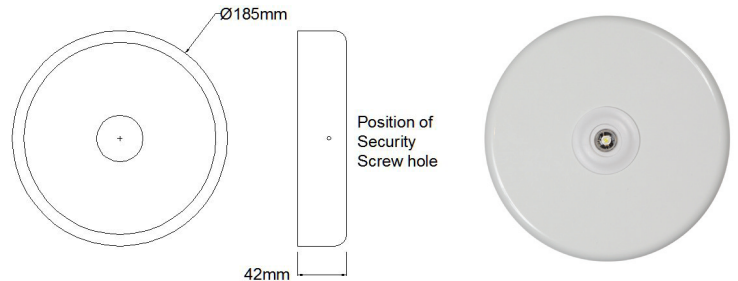
The kit is supplied with one of a choice of LED emitters which offer varying outputs and arcs of illumination. Please contact the Liteplan sales office for ldt files.

The product will commission and test itself in accordance with the requirements of the British Standards, reporting any faults via a bi-colour charge LED.

This unit will recharge the batteries after the test clause of 22.3 of BS EN 61347-2-7:2012.

## Specification:

Input Voltage	230-240 Volts AC 50/60 Hz
Input Current & PF	16mA - $\lambda = 0.48$
Duration	3 hours
Ambient Temp.	0°C to + 25°C
Max Battery Temperature	55°C
Mains Input Terminal	0.75mm - 2.5mm
Recharge Period	24 Hours
Battery Discharge Current	400mA $\pm$ 50mA
Discharge Voltage Limit (DDP)	8.0V
Ingress Protection	IP20
Battery Pack	9.6V 1.5Ah LiFePO <sub>4</sub>
Charge Current	0-150mA Float
Diameter	185mm
Depth	42mm
Cable Entry	20mm Centre Rear
Overall Weight	1.1Kg
Beam Angle (OA)	110°
Beam Angle (CO)	50° x 125°



## Order codes with lumen level and bezel colour

### Open Area:

MPR/OA/NM3/ST/W 207 lumen - RAL 9016  
MPR/OA/NM3/ST/B 207 lumen - RAL 9005

### Corridor:

MPR/CO/NM3/ST/W 197 lumen - RAL 9016  
MPR/CO/NM3/ST/B 197 lumen - RAL 9005

## Important

It is recommended that this product is installed by a competent person ensuring the installation complies with the necessary standards. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

The product requires an un-switched supply for charging the battery and a switched supply for intermittent maintained operation.

**ISOLATE MAINS SUPPLIES AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.**

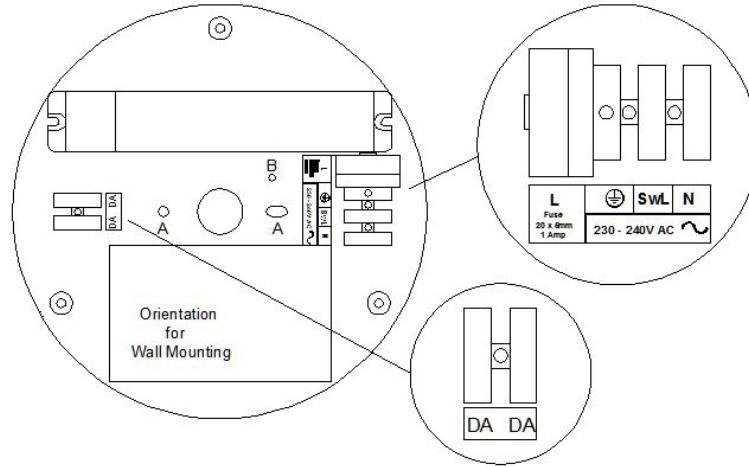
### Installation:

1. Twist the cover off and mount the luminaire to either the ceiling or wall, using fixing points A. For wall mounting ensure the battery is at the bottom of the luminaire.
2. Connect the mains supply as per wiring diagram shown on Pg. 2
3. Fit the mains cable retainer using fixing point B.
4. Connect the battery.
5. Refit the cover ensuring no cables are trapped.
6. Fit the security screw in the lid as shown above.
7. When mounting the MPR/CO, please ensure that the lens is aligned along the corridor correctly. The longer part of the lens should follow the orientation of the corridor.

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Typical Wiring  
Diagram



## Device Status Indicator:

<b>Green Solid</b>		Battery connected & charging	<b>Red Solid</b>		Emergency LED Fault
<b>Green Fast Flash</b>	0.1 sec On, 0.1 sec Off	Function Test in progress	<b>Red Fast Flash</b>	0.1 sec On, 0.1 sec Off	LED Driver Fault
<b>Green Slow Flash</b>	1.0 sec On, 1.0 sec Off	Duration Test in progress	<b>Red Slow Flash</b>	1.0 sec On, 1.0 sec Off	Battery Fault
<b>Green Very Slow Flash</b>	4.0 sec On, 1.0 sec Off	Automatic Duration Test Passed in last 7 days	<b>Red &amp; Green Off</b>		In Emergency Mode

Luminaire Ref/Location			In case of difficulty, contact the Installation Engineers:- Tel: _____							
Full Recharge Time 24 Hours			Duration 3 Hours				Lamp Type - LED			
ROUTINE TEST RECORD										
	Year 1		Year 2		Year 3		Year 4		Year 5	
	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Monthly Test										
Functional										
Functional										
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Functional										
Functional										
Three Hour										