

# Installation & Wiring Instructions MPR/NM3 Standalone Emergency LED for Surface Mounting

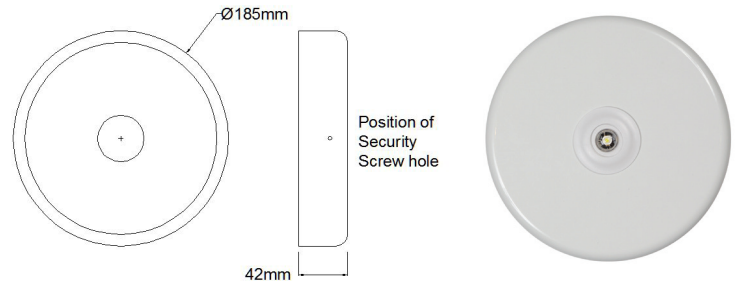
**PLEASE READ** THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

## Description:

The MPR/NM3 is a standalone 3 hour non-maintained emergency luminaire suitable for surface mounting. The LED is driven at 700mA from a 3.6V 4.5Ah Nickel Cadmium (NiCd) that provides a high output 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 Idt files.

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
Power Rating (NM3)	3.1W 29mA - $\lambda = 0.44$
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	1000mA $\pm$ 150mA
Discharge Voltage Limit (DDP)	2.5V
Ingress Protection	IP20
Battery Pack	3.6V 4.5Ah NiCd HT
Charge Current	200mA $\pm$ 25mA
Diameter	185mm
Depth	42mm
Cable Entry	20mm Centre Rear
Overall Weight	1.1Kg
Beam Angle (MPR/OA)	110°
Beam Angle (MPR/CO)	50° x 125°

## Order codes with lumen level and bezel colour:

**Open Area:**  
MPR/OA/NM3/W 207 lumen - RAL 9016  
MPR/OA/NM3/B 207 lumen - RAL 9005

**Corridor:**  
MPR/CO/NM3/W 197 lumen - RAL 9016  
MPR/CO/NM3/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.

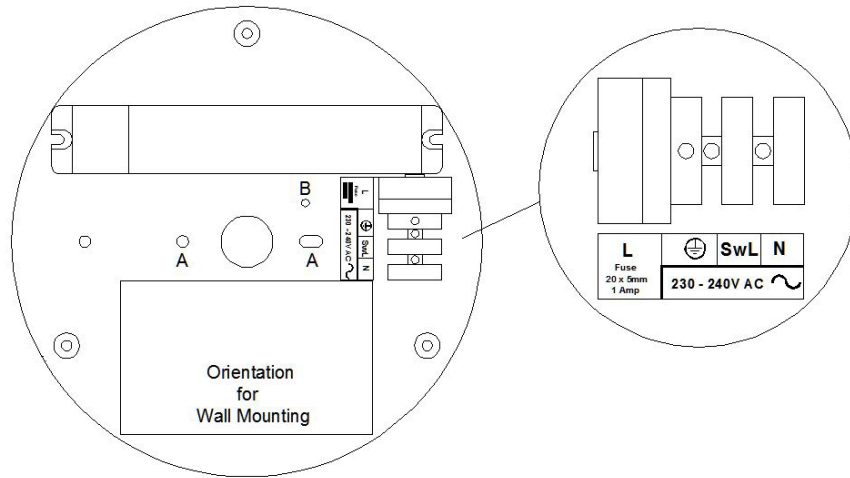
**ISOLATE MAINS SUPPLIES AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.**

#### 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. Non-Maintained operation, do not connect to the Switched Live terminal.
4. Fit the mains cable retainer using fixing point B.
5. Connect the battery.
6. Refit the cover ensuring no cables are trapped.
7. Fit the security screw in the lid as shown above.
8. 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



### Testing/Commissioning:

- Ensure the power is connected.
- Connect the battery.
- Switch on the Un-switched Supply - Check the Charge LED illuminates.
- Switch off the Un-switched Supply - Check the Charge LED extinguishes and the load LED illuminates.
- Enter the commissioning date on the Battery Pack.
- Switch on the Un-switched Supply

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										