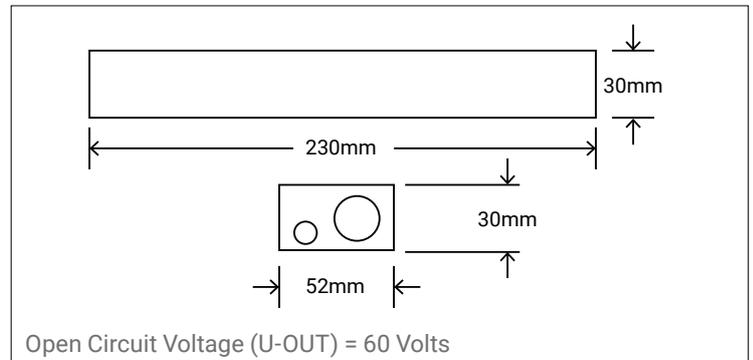




PLEASE READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

Description

- The Lumi-Plugin emergency lighting unit is a remote pack designed to comfortably fit through the cutout of the Lumi-Plugin downlight. The emergency lighting module is designed to convert the light source of the Lumi-Plugin downlight for 3 hour emergency use.
- The module is designed to be installed by breaking into the low voltage connection between the mains LED Driver and the LEDs and allows the LEDs to be operated as normal under mains healthy conditions and operated at reduced light output in an emergency.
- The module automatically adjusts the output LED current to provide the best match between the battery and the load, providing maximum illumination whilst ensuring full battery duration.
- The unit will recharge the batteries after the test of clause 22.3 of BS EN 61347-2-7:2012.



Warning Avoid running the LED mains driver and emergency pack without the load connected. Failure to do so may result in damage to the LED array.

Technical Specification

Brand:	Lumi-Plugin
Input Voltage:	230-240 Volts AC 50/60 Hz
Input Current & PF:	22mA - $\lambda = 0.85$
Duration:	3 hours
Ambient Temp:	0°C to + 50°C
Max Case Temperature:	70°C
Max Battery Temperature:	55°C
Terminal Blocks:	0.5-1.5mm ² Screw
Battery Fuse:	Internal
Battery Discharge Current:	1000mA \pm 150mA
Discharge Voltage Limit:	2.5V
Ingress Protection:	IP20
Battery Pack:	3.6V 4.5Ah NiCd
Charge Current:	200mA \pm 50mA
Recharge Period:	24 Hours
Module Size (L x W x H):	230mm x 52mm x 30mm
Supply Fuse - Mains In:	20x5mm 1A Quick Blow
Supply Fuse - Mains Out:	20x5mm 3.15A Quick Blow
Weight:	0.65Kg
Insulation Between Supply and Battery:	Double Reinforced

LP120WH/WARM/EM - LP120WH/COOL/EM

Important

It is recommended that the remote kit 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 conversion requires an unswitched supply for charging the battery and a switched supply for maintained operation.

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

Conversion

When converting a luminaire using a remote conversion pack, observe the following points:

1. Ensure that the enclosure and battery pack will be located in a position where they will operate within their temperature ratings.
2. Remove the black loop in, loop out 2 pole connector from the downlight and discard it.
3. Using the wiring diagram overleaf, connect Lead C to the 3 pole connector of the downlight and connect Lead D to the 2 pole connector of the downlight.
4. Ensure that the Permanent Live & Switched Live feeds are connected correctly.
5. Arrange the wiring to avoid running the 240 Volt cables next to the module output to the LED to obtain the best EMC results.
6. Requirements for 'F' markings must be observed.
7. This module is not intended for use in luminaires for high-risk task area lighting.
8. This module is protected against battery polarity reversal.

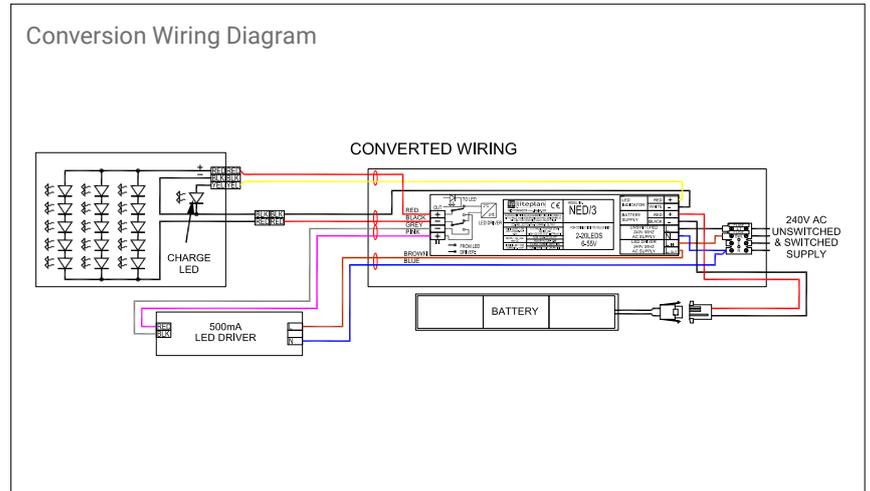




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Testing/Commissioning

- Ensure the load is connected.
- Connect the battery.
- Switch on the Unswitched Supply - Check the Charge LED illuminates.
- Switch on the Maintained Supply - Check the LED illuminates as normal.
- Switch off the Maintained Supply.
- Switch off the Unswitched Supply - Check the Charge LED extinguishes and the load LED illuminates at a reduced output.
- Enter the commissioning date on the Battery Pack.
- Switch on the Unswitched Supply.



Guarantee:

- The guarantee period is invalid if the emergency light battery pack has been tampered with; if any of the product labels have been removed or the product has not been installed in accordance to the installation instructions.
- If the product fails within the guaranteed period, Sleep Safe Systems Limited T/A Lumi-Plugin will replace the Emergency light battery pack free of charge but takes no responsibility for the installation costs.
- Lumi-Plugin reserve the right to change the product specification without notice.
- This product is guaranteed for a period of 3 years.

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	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
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Functional										
Functional										
Three Hour										

