



LS EMERGENCY PACK | LS-60VLPPS

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

DESCRIPTION:

The emergency lighting pack is designed to convert a wide range of LED fittings.

The emergency pack is designed to be installed by breaking into the low voltage connection between the mains LED Driver and the LED fitting and allows the LED fitting to be operated as normal under mains healthy conditions and operated at reduced light output in an emergency.

The emergency pack 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.



SPECIFICATION

Supply Voltage	220-240V AC 50/60 Hz
Power Rating	4w
Duraton	3 Hours
Ambient Temp	0°C to + 50°C
Recharge Period	24 Hours
Battery Type	NiCd
Battery Pack	3.6V 4.5Ah
Discharge Voltage Limit	3v
Dimensions(L x W x H)	213 x 95 x 40mm

AUTO-TEST:

After the emergency light is installed:

- ① An automatic test will conduct once monthly for emergency lighting for 10 minutes. The light will return to normal operation after 10 minutes.
- ② An automatic test will conduct once yearly for emergency lighting for 3 hours . The light will return to normal operation after 3 hours .
- ③ When the self-test begins, the light source will turn on. Also, it cuts the battery charging, whilst it cuts the green indicator. The red indicator will flash continuously.
- ④ If the emergency duration is less than the specified time, the red indicator on the light will lash.

IMPORTANT:

It is recommended that the unit is installed by a competent person ensuring the installation complies with the necessary standards.

PrimaLux 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 a maintained conversion.

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

High voltage could be present at the output terminals if the battery is not isolated.

CONVERSION:

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

1. Install the remote pack such that they will operate within their temperature ratings.
2. Keep the interconnecting loom as short as possible.
3. Connect the labelled leads as per wiring diagram on Pg. 2.
4. Arrange the wiring to avoid running the 230 Volt cables next to the modules output to the LED(S) to obtain the best EMC results.
5. Connect the Switched & Unswitched supplies
6. Ensure the LED Charge Indicator is clearly visible.

AUTO-TEST INSTRUCTION: (IN AC 220~240V SUPPLY)**TEST SWITCH**

When AC Input:

Press to 1 second - Timing Restart.

Press to 3 second - LEDs on, Auto test for 5 mins.

**INDICATOR WORKING PERFORMANCE:**

Normal fitting: green indicator working.

Battery failure: red indicator flashing. (Flash once every 3 seconds.)

Lighting source failure: red indicator flashing.

(Flash twice every 3 seconds)

Less than the rated duration time: red indicator fast flashing.

(Flash three times every 3 seconds)

TESTING / COMMISSIONING:

- Ensure the Load is connected.
- Connect the battery.
- Switch on the Unswitched Supply - Check the Charge LED illuminates.
- Switch on the Switched Supply - Check the LED illuminates as normal.
- Switch off the Switched 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

Input Voltage Range	220-240V
Input Frequency Range	50/60Hz
Power Factor	0.25
Power Consumption	2.6W
Applicable load voltage	10V-60V
Light Source Category	LED
LED Model and Quantity	SMD
Lumen Output Mains	It is set according to the data of original lighting
Lumen Output Battery	80lm-280lm
Operating Temperature Range	0°C-40°C
Battery Type and Specification	Ni-Cd D3.6V4500mAh
Charging Time	24hours
Discharge Time	More than 3 hours
Colour Temperature	It is set according to the data of original lighting
Over- Discharge Protection	3V
Over-charged protection voltage	4.3V
Dimensions	213X95X40mm
Weight	636g
Installation hole size	N/A
Cable entry hole size	N/A
IP Rating	IP20
Safety Classification	class 1
Installation	Embedded installation
Certificate	CE
Does it pass the high voltage test (1500V 5second)	PASS



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