

LumaPack

Emergency Conversion Kit

LUP90-M-MT-ST



Smart
EMERGENCY
TECHNOLOGIES LTD



Product Overview

The LumaPack is a remote emergency control gear for use with LED luminaires. Its design allows it to be placed outside of a luminaire making it ideal for 600x600 panels and LED downlights where space constraints do not allow the emergency control gear to be enclosed in the luminaire. Cable restraints are provided as standard making the LumaPack suitable for being positioned in a ceiling void. The LumaPack has an integrated LiFePO₄ battery in the housing which means it is fully protected for ceiling void installations.

The LumaPack LUP90/M/MT/ST has manual test and self-test capabilities and offers both maintained and non-maintained operation. It is able to provide automatic self-test or if preferred can be manually tested via a key switch. The LUP90/M/MT/ST offers 3 hours emergency lighting duration time from a Lithium Iron Phosphate (LiFePO₄) battery.

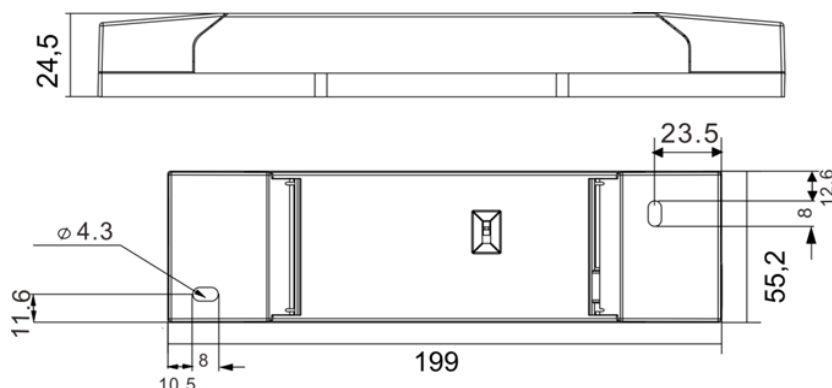
Product Features

- Selectable manual test or self-test operation via a DIP switch
- Maintained/Non-maintained operation
- LiFePO₄ battery with thermal monitoring protection
- Suitable for 10-90Vf forward voltages
- Constant power output with optimum light output control
- 5 year warranty





Dimensions



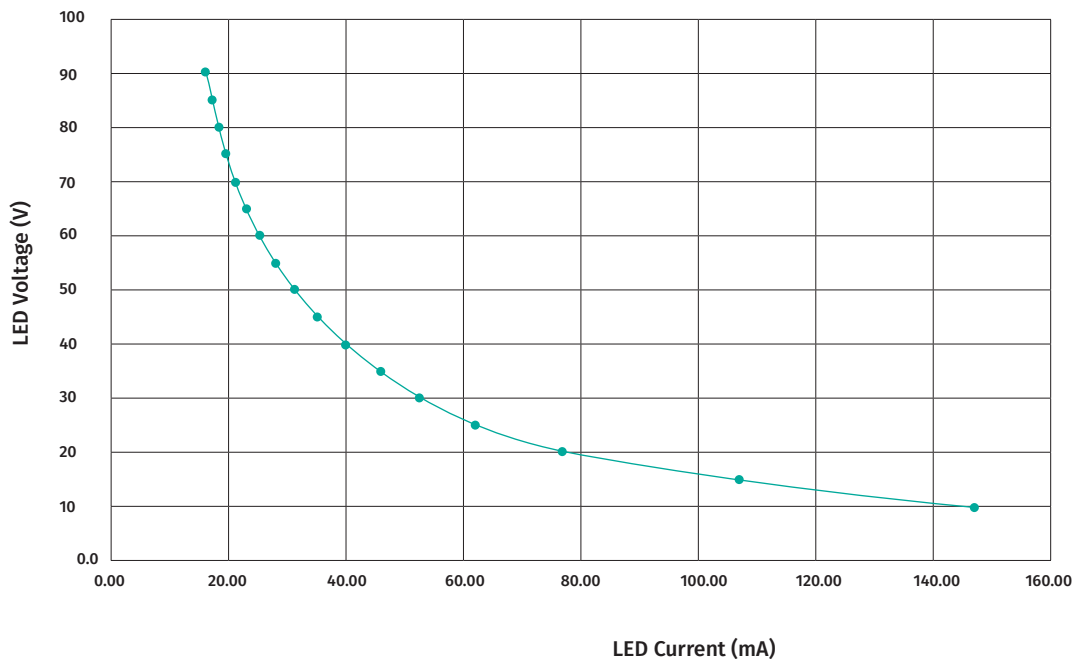
Indicator LED ceiling bezel (19mm cutout)

Technical Data

Rated supply voltage	220-240VAC
Mains frequency	50/60Hz
Power factor	≥0.5
Starting time	<0.5 seconds
Output overvoltage protection	110V
U-OUT (including open-/short-circuit and double load)	120V
Ambient temperature t_a	5-50°C
Max. Casing temperature t_c	65°C
IP rating	IP20
In-rush current	3.5A
In-rush current duration	4ms
Mains surge capability (between L – N)	1KV
Mains supply current	<27mA
Mains supply power (maximum)	3.8W
Emergency duration	3 hours
Battery chemistry type	LiFePO ₄
Battery data	2x 18650/6.4V/1500mAh LiFePO ₄
Charge period	<16 hours
LED module forward current range	15-170mA
LED module forward voltage range (V_f)	20-90V
Battery discharge current (min-max)	320-420mA
Battery charge current	210mA ±10%
Ceiling bezel for indicator LED cutout size	19mm
Weight	215g



Forward Voltage Performance Chart



LUP90/M/MT/ST LED output current
LEDs with forward operating voltages 10V – 90V

Order Codes

Description

LUP90/M/MT/ST Remote conversion kit, 20-90Vf, DALI-2, c/w Indicator LED & ceiling bezel

Optional Accessories

INDLED/500 Indicator LED with 500mm cable

INDLED/BEZEL Indicator LED Ceiling Bezel

Product Standards

EN IEC61347-2-7	EN 61000-3-2	EN 55015
EN IEC61347-2-13	EN 61000-3-3	ROHS 2.0
EN IEC61347-1	EN 61547	