

LumaKit

Emergency Conversion Kit
LUK300/M/MT/ST



Smart
EMERGENCY
TECHNOLOGIES LTD



Product Overview

The LumaKit LUK300/M/MT/ST is an emergency control gear for use with LED luminaires. Its design allows it to either be fitted within a luminaire housing, or with the addition of cable restraints placed outside of a luminaire in a ceiling void. This makes the LUK300/M/MT/ST a versatile emergency pack ideal for a wide range of luminaires including linear fittings, 600x600 panels and LED downlights. Optional cable restraints are provided as standard making the LumaKit suitable for being positioned in a ceiling void. The LUK300/M/MT/ST has an integrated LiFePO₄ battery in the housing which means it is fully protected and reduces the space needed for the emergency pack.

The LumaPack LUK300/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 LUK300/M/MT/ST offers 3 hours emergency lighting duration time from a Lithium Iron Phosphate (LiFePO₄) battery.

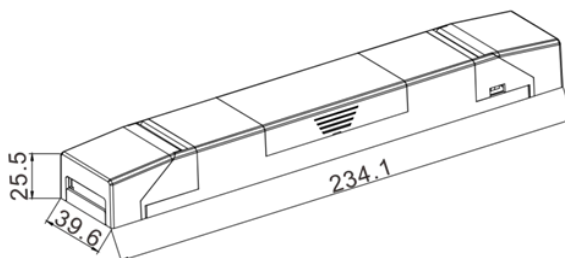
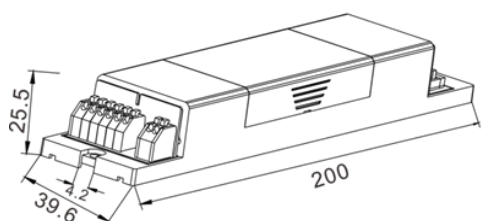
Product Features

- Selectable manual test or self-test operation via a DIP switch
- Maintained/non-maintained operation
- LiFePO₄ battery with thermal monitoring protection
- Interchangeable battery fitted in main module housing
- Suitable for 10-300Vf forward voltages
- Constant power output with optimum light output control
- 5 year warranty





Dimensions



LUK300 Cable Restraints



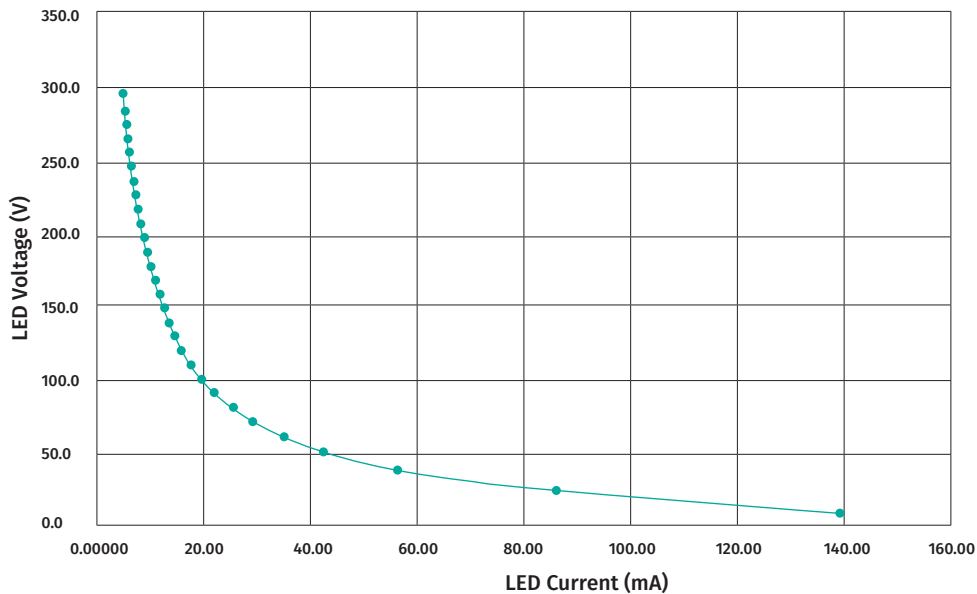
Indicator LED ceiling bezel (19mm cutout)

Technical Data

Rated supply voltage	220-240VAC
Mains frequency	50/60Hz
Power factor	≥0.5
Starting time	<0.5 seconds
Output overvoltage protection	340V
U-OUT(including open-/short-circuit and double load)	350V
Ambient temperature t_a	5-45°C
Max. Casing temperature t_c	65°C
IP rating	IP20
In-rush current	1.5A
In-rush current duration	4ms
Mains surge capability (between L – N)	1KV
Mains supply current	<20mA
Mains supply power (Maximum)	3.0W
Emergency duration	3 hours
Battery chemistry type	LiFePO ₄
Battery data	2x 18650/3.2V/3000mAh LiFePO ₄
Charge period	<16 hours
LED module forward current range	4-170mA
LED module forward voltage range (V_f)	10-300V
Battery discharge current (min-max)	650-840mA
Battery charge current	200mA ±10%
Ceiling bezel for indicator LED cutout size	19mm
Weight	196g



Forward Voltage Performance Chart



LUK300/M/MT/ST LED output current
LEDs with forward operating voltages 10V – 300V

Order Codes

Description

LUK300/M/MT/ST	Integral/remote conversion kit, 10-300Vf, DALI-2, c/w Indicator LED & ceiling bezel
Optional Accessories	
INDLED/500	Indicator LED with 500mm cable
INDLED/BEZEL	Indicator LED Ceiling Bezel
LUK300/ENDCAP	LUK300 Cable Restraints (Pair)

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	