

LumaKit

Emergency Conversion Kit
LUK300/H/MT/ST



Smart
EMERGENCY
TECHNOLOGIES LTD



Product Overview

The LumaKit LUK300/H/MT/ST is a high output emergency control gear for use with LED luminaires. With a wide forward voltage range of 20-300Vf and a high output battery, this makes the LumaKit LUK300/H/MT/ST a versatile emergency pack ideal for a wide range of luminaires where increased emergency light output is required and the emergency kit is integral to the luminaire.

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.

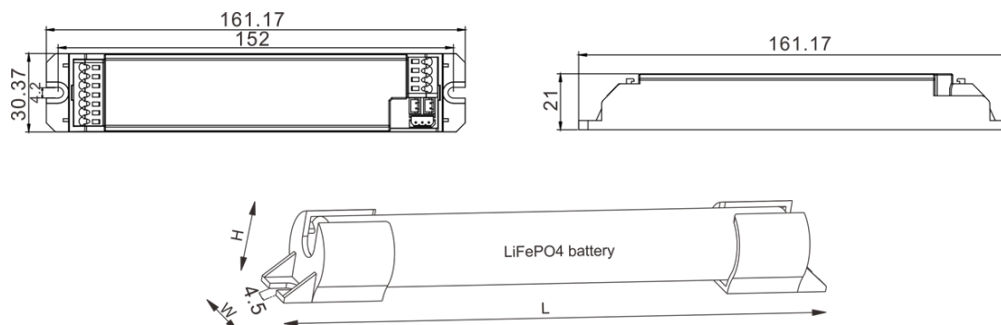
Product Features

- Selectable manual test or self-test operation via a jumper connector
- Maintained/non-maintained operation
- LiFePO4 battery with thermal monitoring protection
- High Output battery providing 5W output power
- Suitable for 20-300Vf forward voltages
- Constant power output with optimum light output control
- 5 year warranty





Dimensions



Product Standards

Item Code	L	W	H	Centre Hole Distance
26650 2cells	170	30	29	145.5



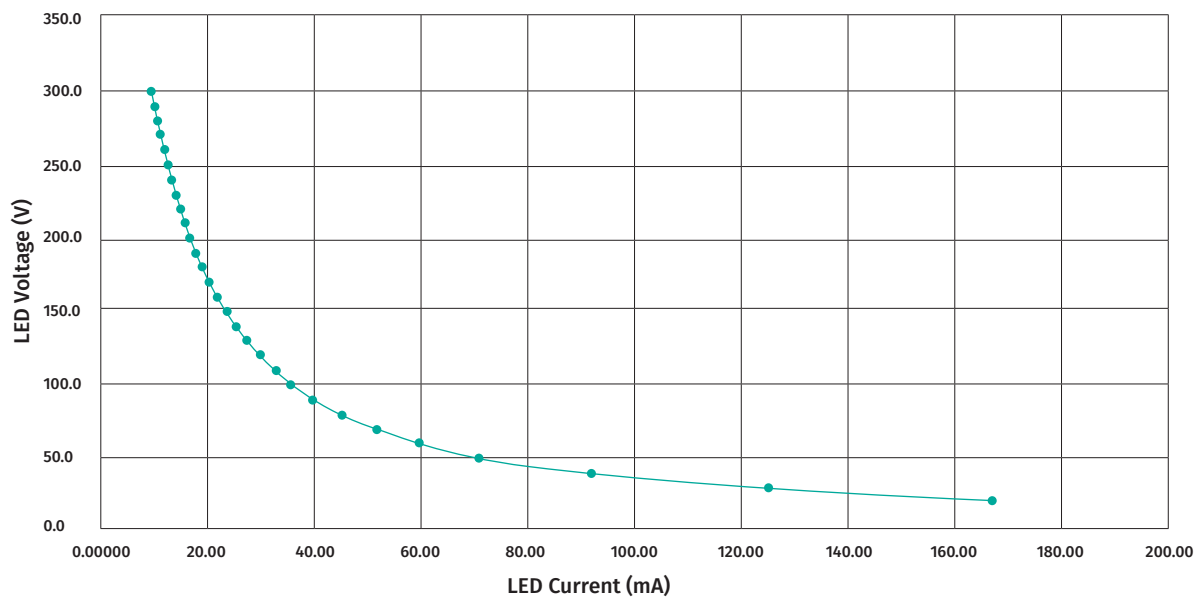
Indicator LED ceiling bezel (19mm cutout)

Technical Data

Rated supply voltage	220-240VAC
Mains frequency	50/60Hz
Power factor	≥0.5
Starting time	<0.5 seconds
Output overvoltage protection	330V
U-OUT(including open-/short-circuit and double load)	370V
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 26650/6.4V/3000mAh LiFePO ₄
Charge period	<16 hours
LED module forward current range	9-180mA
LED module forward voltage range (V_f)	20-300V
Battery discharge current (min-max)	680-880mA
Battery charge current	200mA ±10%
Ceiling bezel for indicator LED cutout size	19mm
Weight	272g



Forward Voltage Performance Chart



LUK300/H/MT/ST LED output current
LEDs with forward operating voltages 20V – 300V

Order Codes

Description

LUK300/H/MT/ST	Integral high output conversion kit, 20-300Vf, Manual Test/Self-Test, 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	