

LumaKit

Emergency Conversion Kit
LUK300/H/D2



Smart
EMERGENCY
TECHNOLOGIES LTD



Product Overview

The LumaKit LUK300/H/D2 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/D2 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.

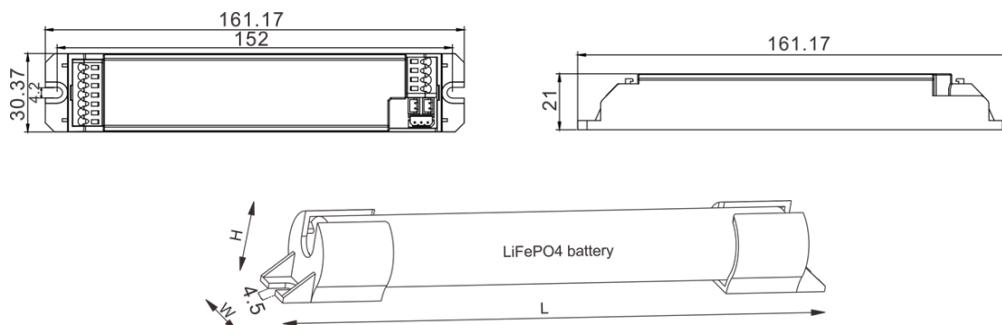
The LumaPack LUK300/H/D2 is DALI-2 compatible and offers both maintained and non-maintained operation. It is DiiA registered and fully compliant with BSEN62034 providing automatic self-test or full DALI-2 operation when connected to a DALI control system. The LUK300/H/D2 offers 3 hours emergency lighting duration time from a Lithium Iron Phosphate (LiFePO₄) battery.

Product Features

- DALI-2 fully interoperable control and reporting function
- 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

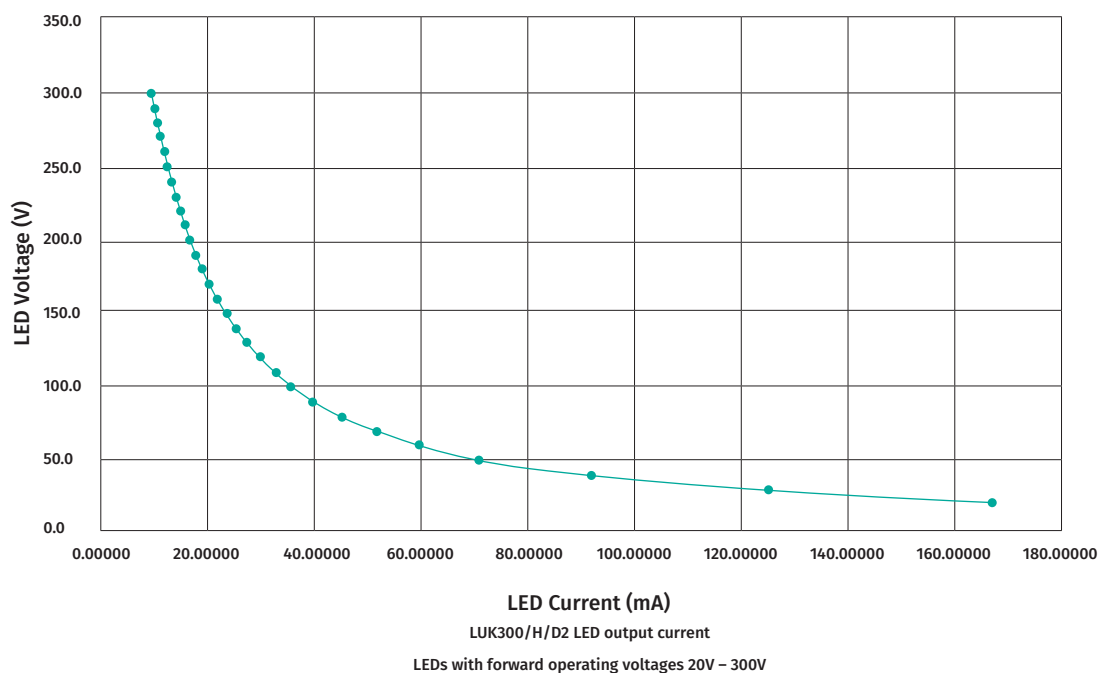


Indicator LED ceiling bezel (19mm cutout)

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 ta	5-50°C
Max. Casing temperature tc	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	LiFePO4
Battery data	2x 26650/6.4V/3000mAh LiFePO4
Charge period	<16 hours
LED module forward current range	9-200mA
LED module forward voltage range (Vf)	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



Order Codes

Description

LUK300/H/D2

Integral high output conversion kit, 20-300Vf, 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

DALI standard EN 62386-202