

# LDI3/18 Range

The **LDI3/18** is a small and very discreet LED light pod with an injection moulded thermally conductive plastic body acting as a very effective heat sink and incorporating an 18mm thread and lock nut for simple installation. **(NB:** Requires 18.5mm clearance hole with access to the rear). The **LDI3/18** light pods (silver or white front bezel) offer two distribution types.



LDI3/18/C ('Corridor' beam)

LDI3/18/C/WH  
18.5mm cut-out

## LDI3/18/WIDE (WIDE BEAM)

The LDI3/18/WIDE light pod offers 105 degree wide angle lens configuration ideal for illumination of open areas with mounting heights below 3.5m.

## LDI3/18/C ('CORRIDOR' BEAM)

The **LDI3/18/C** light pod offers a dissymmetric lens providing a narrow beam across the width of a corridor and extremely wide (batwing) distribution along the length of the corridor.

For emergency lighting applications the **LDI3/18** light pods incorporate an integral green/red bi-colour indicator suitable for standard emergency or Self-Test/DALI emergency.



LDI3/18/C/WH



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## Miniture downlight - LD13/18 RANGE

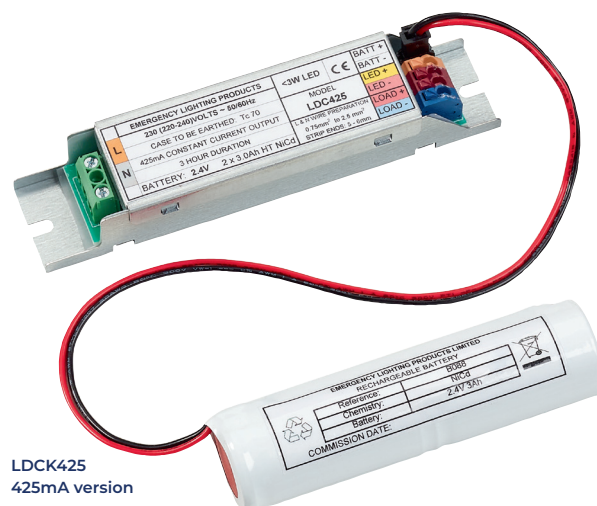
### LD13/18 - Typical Emergency Lighting Spacings

Mounting height Hm (m)	LD13/18/W @ 350mA		LD13/18/C @ 350mA	
	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape	Spacing (m) min 0.5Lux open area escape	Spacing (m) min 1Lux open area
2.0	10.0	8.9	n/a	11.9
2.5	9.6	8.2	n/a	12.9
3.0	9.0	7.5	n/a	13.1
3.5	8.5	6.8	n/a	13.4
4.0	7.9	4.8	n/a	13.4
6.0	n/a	4.5	n/a	12.2
8.0	n/a	n/a	n/a	7.9

**NB:** Performance relative to the chosen driver — 350mA (preferred) or 700mA (maximum)  
Full photometry (LDT files) are available for each output.

### LD13/18 - GENERAL SPECIFICATION

Light source	Nichia white LED
Colour Temperature	4500K
IP Rating (Front)	IP22
Ambient Temperature (Ta)	0 - 40°C
Insulation Class	Class II
Supply Voltage	230V ~ 50Hz
Cut-out	18.5mm diameter
Lumens (Emergency)	135lm @ 350mA / 240lm @ 700mA



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## BUILT-IN CONVERSIONS

### Manual Test Option

#### LDCK425 NON-MAINTAINED 350mA MINIATURE KIT.

Driver/charger module and 2.4Volt (2-cell) 3Ah C NiCd battery pack for 3 hour operation of 3Watt LED light pods. Battery is connected by a PCB mounted plug.

#### Module dimensions

130mm (L) x 28mm (W) x 21mm (H)

#### Battery dimensions

Single stick @ 100mm (L) x 25mm(dia.)

### Self-Test and DALI options

#### LM NON-MAINTAINED KIT (available with 350mA or 700mA outputs)

Driver/charger module and appropriate 'plug-in' battery supplied in a protective tube providing 3 hour emergency operation of 3Watt LED light pods with automatic self-test or fully interoperable DALI when connected to a suitable DALI system.

#### Module dimensions

178mm (L) x 30mm (W) x 21mm (H)

#### Battery dimensions

350mA – NiCd 2 cell stick @ 130mm (L) x 24mm(dia.)  
700mA – LiFePO<sub>4</sub> 2 cell stick @ 134mm (L) x 23mm(dia.)

### Mains and Central Power supply options

#### LDPSU230 MAINS VOLTAGE DRIVERS

350mA, 500mA and 700mA driver options available on request

**Notes:** Suitable for 110Volt AC/DC and up to 230Volt supplies.



LMPPro LiFePO<sub>4</sub> 700mA Version.

## ORDER CODES

## Description

LD13/18/W/WH	Wide beam; White body
LD13/18/C/WH	'Corridor' lens; White body
Suffix for Options:	
/SL	Silver body
LDCK425	Manual test emergency conversion kit – Module + NiCd battery
LM350D/K	DALI emergency conversion kit – Module + NiCd battery
LM700D/K	DALI emergency conversion kit – Module + LiFePO <sub>4</sub> battery

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