

# 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 (white or black front bezel) offer two distribution types.

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.

## MANUAL TEST OPTION

**LDCK/425** - 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/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 3 Watt 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/CENTRAL POWER SUPPLY OPTIONS

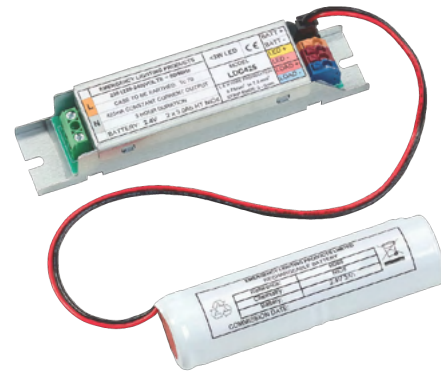
### LDPSU230 MAINS VOLTAGE DRIVERS

350mA, 500mA and 700mA driver options available on request  
Note: Suitable for 110Volt AC/DC and up to 230Volt supplies.

## GENERAL DETAILS

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

LDI3/18/C/WH



LDCK/425  
425mA version



LM700DK  
700mA version

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**Miniture downlight**

**LDI3/18 – Typical Emergency Lighting Spacings**

Mounting height Hm (m)	LDI3/18/W @ 350mA		LDI3/18/C @ 350mA	
	Spacing (m)	Spacing (m)	Spacing (m)	Spacing (m)
	min 0.5Lux open area	min 1Lux escape	min 0.5Lux open area	min 1Lux escape
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.

**LDI3/18/W (WIDE BEAM)**

The **LDI3/18/W** 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.



LDI3/18/C ('Corridor' beam)

ORDER CODES	Description
<b>LDI3/18/W/WH</b>	Wide beam; White body
<b>LDI3/18/C/WH</b>	'Corridor' lens; White body
<b>LDI3/18/W/BL</b>	Wide beam; Black body
<b>LDI3/18/C/BL</b>	'Corridor' lens; Black body
OPTIONS:	
<b>LDCK/425</b>	Manual test emergency conversion kit – Module + NiCd battery
<b>LM350D/K</b>	DALI emergency conversion kit – Module + NiCd battery
<b>LM700D/K</b>	DALI emergency conversion kit – Module + LiFePO <sub>4</sub> battery

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