

LED Downlight and DALI emergency kit

LDE3F and LM700D/TU

Where projects require the advantages of low energy/long life LEDs packaged in standard downlight products for plasterboard ceilings and ceiling tiles the **LDE3F** range is the ideal choice. The **LDE3F** downlights (white or black thermally conductive plastic) are installed using spring clips into a 45mm diameter cut-out.

The **LDE3F** range can be supplied with the **LM700D/TU** in-line DALI emergency driver kit which can pass through the cut-out into the ceiling void (minimum void depth 150mm).

LDE3F/WIDE (WIDE BEAM)

The **LDE3F/WIDE** downlight offers a Wide beam (160 degree) lens configuration ideal for illumination of open areas with mounting heights of typically 2 to 5m.

LDE3F/C ('CORRIDOR' BEAM)

The **LDE3F/C** downlight 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.

LDE3F/HL (HIGH LEVEL / MEDIUM BEAM)

The **LDE3F/HL** downlight offers a medium beam ideal for higher mounting heights of typically 6 to 12m or lighting high risk tasks.

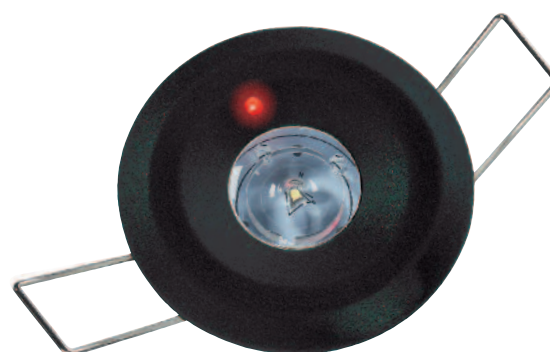
The ideal DALI emergency driver pack is the **LM700D/TU**. This comprises a two piece housing for the emergency driver and high temperature LiFePO₄ battery and easily passes through the cut out required to mount the **LDE3F**.

When the normal mains supply fails the **LM700D/TU** powers the **LDE3F** downlight for 3 hours.

The **LM700D/TU** has Class II insulation, an Extra Low Voltage output and features double insulated wires to the downlight to provide additional mechanical protection.



LDE3F Downlight



LDE3F Black Downlight (DALI red 'fault' indication)



LM700D/TU complete kit with LDE3F

All details and specifications shown in this document are deemed correct at time of publication. The right to modify equipment, change specifications and instructions without notice, is reserved as part of the Emergency Lighting Products Limited policy of continuous development and improvement. We endeavour to keep all our customers informed of any alterations as and when they occur.

LED Downlight and DALI emergency kit

SPECIFICATION

Non-maintained	
Light source	Nichia white LED
Colour temperature	4500K
Lumens (emergency)	270lm
IP rating	IP40 front face/IP20 back of lamp and banana pack
Ambient temperature (Ta)	0 to 40°C
Insulation class	Class II
Supply voltage	230V ~ 50Hz
Supply power	18mA
Battery	6.4V 2.1Ah LiFePO ₄
Dimensions LM700D/TU	200mm(L) x 39mm(W) x 21mm(H) + 175mm(L) x 33mm(ø)
Dimensions LDE3F	Ø55mm x 25mm(H) Cut-out Ø45mm
Minimum void depth	150mm



LDE3F Downlight
(also available in Black)

Typical Emergency Lighting Spacings for LDE3F Downlights connected to LM700D/TU emergency driver pack

Mounting height Hm (m)	LDE3F/WIDE @ 700mA		LDE3F/C @ 700mA		LDE3F/HL @ 700mA	
	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape
2.0	12.5	12.5	n/a	14.2	n/a	n/a
2.5	13.4	12.2	n/a	15.5	n/a	n/a
3.0	13.2	11.6	n/a	16.6	n/a	n/a
3.5	12.9	10.9	n/a	17.5	n/a	n/a
4.0	12.3	10.2	n/a	17.7	n/a	n/a
6.0	n/a	4.0	n/a	18.0	5.2	n/a
8.0	n/a	n/a	n/a	16.7	7.3	n/a
10.0	n/a	n/a	n/a	14.0	8.9	n/a
12.0	n/a	n/a	n/a	n/a	10.1	n/a

NB: Full .LDT photometry files available upon request

Notes (LDE3F/HL):
10.76Lux achieved at Hm=5m
15.00Lux achieved at Hm=4m

ORDER CODES

LM700D/W/WH	DALI Emergency driver pack with Wide beam downlight; White body
LM700D/C/WH	DALI Emergency driver pack with Corridor beam downlight; White body
LM700D/HL/WH	DALI Emergency driver pack with High Level (medium) beam downlight; White body

Suffix for

Options: /BL	Black body for LDE3F downlight
/ASSY	Pre-wired plug / sockets with 300mm leads for mains and DALI connections

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