

## Miniature Downlight and DALI Emergency Kit

## LDE3F and Banana Pack

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 **Banana Pack** in-line DALI emergency driver kit which can pass through the cut-out into the ceiling void (minimum void depth 100mm).

**LDE3F/W (WIDE BEAM)**

The **LDE3F/W** 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.

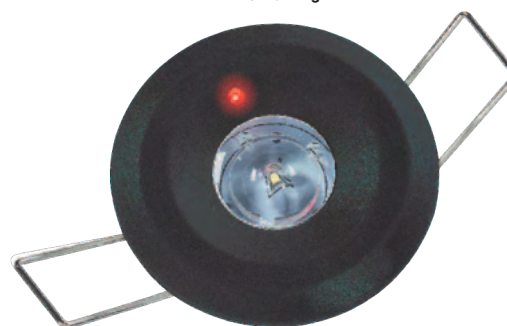
**NB:** it is often an advantage to use higher operating currents for this lens – See *Power Supplies in LDE3F and LDI3/18 Data Sheet*.

The ideal DALI emergency driver pack is the **Banana Pack**. This comprises a one piece housing for the emergency driver and high temperature LiFePO<sub>4</sub> battery and easily passes through the cut out required to mount the **LDE3F**. When the normal mains supply fails the **Banana Pack** powers the **LDE3F** downlight for 3 hours.

The **Banana Pack** has Class II insulation, an extra low voltage output and features double insulated wires to the downlight to provide additional mechanical protection.



LDE3F/WID/D/WH  
White Downlight



LDE3F/WID/D/BL  
Black Downlight  
(DALI red 'fault' indication)



Banana Pack complete kit with LDE3F



**Banana Pack** rolls neatly through 45mm diameter ceiling tile cut-out.

**NOTE:** **Banana Pack** with **LDE3F** downlights can be equipped with **SurePath BLE** Bluetooth addressable Gateway modules. See *Data Sheet*.

**Emergency Lighting Products Limited**  
Parbrook House, Gillmans Industrial Estate,  
Natts Lane Billingshurst, West Sussex RH14 9EZ

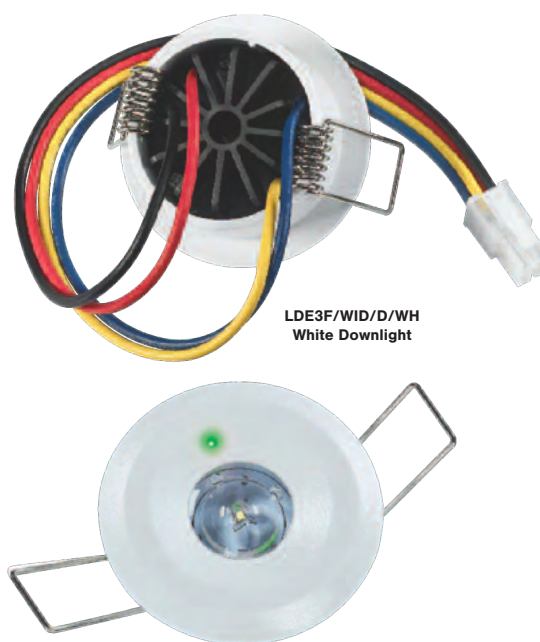
Telephone: +44 (0) 1403 786601  
Fax: +44 (0) 1403 786602  
e-mail: sales@elp.uk.com

**Safe in the knowledge**  
**elp.uk.com**

## LDE3F and Banana Pack

### SPECIFICATION

Non-maintained	
Light source	Nichia white LED
Colour temperature	4500K
Lumens (emergency)	290lm
IP rating	IP42 front IP20 back of lamp and banana pack
Ambient temperature (Ta)	0°C to 40°C
Insulation class	Class II
Supply voltage	230V ~ 50Hz
Supply power	4W
Battery	6.4V 1.8Ah LiFePO <sub>4</sub>
Dimensions	Ø260mm x 32mm(H) Cut-out Ø45mm
Minimum void depth	100mm



LDE3F/WID/D/WH  
White Downlight

### Typical Emergency Lighting Spacings for LDE3F Downlights connected to Banana Pack emergency driver pack

Mounting height Hm (m)	LDE3F/W @ 670mA		LDE3F/C @ 670mA		LDE3F/HL @ 670mA	
	Spacing (m)	Spacing (m)	Spacing (m)	Spacing (m)	Spacing (m)	Spacing (m)
	min 0.5Lux	min 1Lux	min 0.5Lux	min 1Lux	min 0.5Lux	min 1Lux
	open area	escape	open area	escape	open area	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

### Description

<b>BAN/LDE3F/W/D/WH</b>	DALI Emergency driver pack with Wide beam downlight; White body	
<b>BAN/LDE3F/C/D/WH</b>	DALI Emergency driver pack with Corridor beam downlight; White body	
<b>BAN/LDE3F/HL/D/WH</b>	DALI Emergency driver pack with High Level (medium) beam downlight; White body	
<b>BAN/LDE3F/W/D/BL</b>	DALI Emergency driver pack with Wide beam downlight; Black body	
<b>BAN/LDE3F/C/D/BL</b>	DALI Emergency driver pack with Corridor beam downlight; Black body	
<b>BAN/LDE3F/HL/D/BL</b>	DALI Emergency driver pack with High Level (medium) beam downlight; Black body	
OPTIONS:	<b>/BLE</b>	Wireless DALI emergency
	<b>/MT</b>	Manual Test with DALI function disabled

**NB:** Suitable for intermittent operation.

**Emergency Lighting Products Limited**  
Parbrook House, Gillmans Industrial Estate,  
Natts Lane Billingshurst, West Sussex RH14 9EZ

Telephone: +44 (0) 1403 786601  
Fax: +44 (0) 1403 786602  
e-mail: sales@elp.uk.com

**Safe in the knowledge**  
**elp.uk.com**