

LDSM

The **LDSM** range offers a simple self-contained emergency lighting solution from a surface mounted enclosure just 190mm square x 40mm high. When surface mounted on the ceiling the **LDSM** is both discreet and attractive. Finished in white or black as standard (available in other colours to special order) the **LDSM** blends in with the other architectural furniture. The excellent performance allows the units to be mounted at very wide spacings making installation simple and cost effective.

The **LDSM** self-contained units utilise the standard LDE3F downlights incorporating a thermally managed '3Watt' high power white LED retained in a white or black polycarbonate housing which matches the corresponding steel facia plate and enclosure. A high brightness green LED is incorporated in the polycarbonate bezel to provide battery charge indication. The enclosure houses a LMPro module and LiFePO₄ battery providing 3 hour duration, non-maintained emergency lighting.

OPERATION

Available with a range of lens types the **LDSM** just requires a permanent 230 Volt supply to provide effective non-maintained emergency lighting with 3 hour duration.

The **LDSM** also has options available for 110V and 230V Central Battery Systems. Please enquire for more details.

The **LDSM** units have a BESA rear entry and 20mm knock-outs on two sides for surface conduit entry. When the 'Corridor' lens is specified this can easily be rotated in the facia plate to align the distribution along the escape route.



DALI/Self-Test Options:

The **LDSM** luminaires can be specified with integral DALI/Self-Test gear providing automatic Self-Test in accordance with BSEN62034 or fully interoperable DALI operation when connected to a DALI control system.

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Safe in the knowledge
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Self-contained LED Downlights

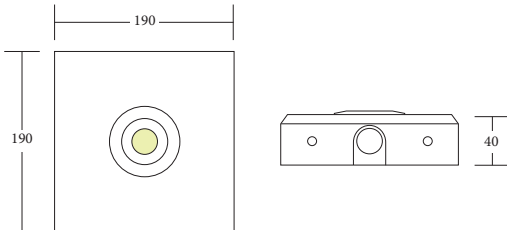
SPECIFICATION

	Non-maintained
Light source	Nichia White LED
Colour temperature	4500K
Lumens (Emergency)	Up to 291lm
IP Rating	IP20
Ambient Temperature (Ta)	0°C - 40°C
Insulation class	Class I
Supply voltage	230V ~ 50Hz
Supply power	4W
Battery	6.4V 2.3Ah LiFePO ₄
Dimensions	190mm x 190mm x 40mm

LDSM - Typical emergency Lighting spacings for LDSM Downlights

Mounting height Hm (m)	LDSM/W		LDSM/C		LDSM/HL	
	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	8.9	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 are available on request



ORDER CODES

Description

LDSM/NM3/**/++	Surface mounted, self-contained NM3 emergency	
LDSM/NM3/D/**/++	Surface mounted, self-contained NM3 DALI/Self-Test emergency	
LDSM/230/**/++	Surface mounted, mains only version	
LDSM/230D/**/++	Surface mounted, DALI mains only version	
LENS OPTIONS**	/W	Wide lens
	/C	Corridor lens
	/HL	High-level lens
HOUSING OPTIONS++	/WH	White housing
	/BL	Black housing

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