

# 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 LDE8F downlights incorporating a thermally managed '6Watt' high power LED lamp head 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 an LDM60HO module and LiFePO<sub>4</sub> 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-2/Self-Test Options:

The **LDSM+** luminaires can be specified with integral DALI-2/Self-Test gear (LDM60HOD) providing automatic Self-Test in accordance with BSEN62034 or fully interoperable DALI-2 operation when connected to a DALI control system.

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## Self-contained LED Downlights

### SPECIFICATION

	Non-maintained
Light source	Nichia White LED
Colour temperature	4500K
Lumens (Emergency)	Upto 500lm
IP Rating	IP20
Ambient Temperature (Ta)	0°C - 40°C
Insulation class	Class I
Supply voltage	230V ~ 50Hz
Supply power	5.2W
Battery	6.4V 3.4Ah LiFePO <sub>4</sub>
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	13.6	13.8	n/a	14.7	n/a	n/a
2.5	15.5	15.5	n/a	16.9	n/a	n/a
3.0	17.1	16.8	n/a	18.6	n/a	n/a
3.5	18.4	17.5	n/a	20.0	n/a	n/a
4.0	19.4	17.4	n/a	20.9	n/a	n/a
6.0	20.3	15.0	n/a	23.1	5.9	n/a
8.0	18.5	7.5	n/a	23.9	7.2	n/a
10.0	n/a	n/a	n/a	23.4	8.5	n/a
12.0	n/a	n/a	n/a	22.0	10.0	n/a

**NB:** Full .LDT photometry files are available on request

ORDER CODES	Description
<b>LDSM/LDE8F/MT/WW</b>	Surface mounted, Manual-test Emergency with Wide beam downlight; White body
<b>LDSM/LDE8F/MT/CW</b>	Surface mounted, Manual-test Emergency with Corridor beam downlight; White body
<b>LDSM/LDE8F/MT/HW</b>	Surface mounted, Manual-test Emergency with High Level (medium) beam downlight; White body
<b>LDSM/LDE8F/MT/WB</b>	Surface mounted, Manual-test Emergency with Wide beam downlight; Black body
<b>LDSM/LDE8F/MT/CB</b>	Surface mounted, Manual-test Emergency with Corridor beam downlight; Black body
<b>LDSM/LDE8F/MT/HB</b>	Surface mounted, Manual-test Emergency with High Level (medium) beam downlight; Black body
<b>LDSM/LDE8F/D2/WW</b>	Surface mounted, DALI-2 Emergency with Wide beam downlight; White body
<b>LDSM/LDE8F/D2/CW</b>	Surface mounted, DALI-2 Emergency with Corridor beam downlight; White body
<b>LDSM/LDE8F/D2/HW</b>	Surface mounted, DALI-2 Emergency with High Level (medium) beam downlight; White body
<b>LDSM/LDE8F/D2/WB</b>	Surface mounted, DALI-2 Emergency with Wide beam downlight; Black body
<b>LDSM/LDE8F/D2/CB</b>	Surface mounted, DALI-2 Emergency with Corridor beam downlight; Black body
<b>LDSM/LDE8F/D2/HB</b>	Surface mounted, DALI-2 Emergency with High Level (medium) beam downlight; Black body

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