



LD/SM

The **LD/SM** range offers a simple method of providing discreet emergency lighting in areas that require a surface mounted self-contained solution.

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

LD/SM/W (WIDE BEAM)

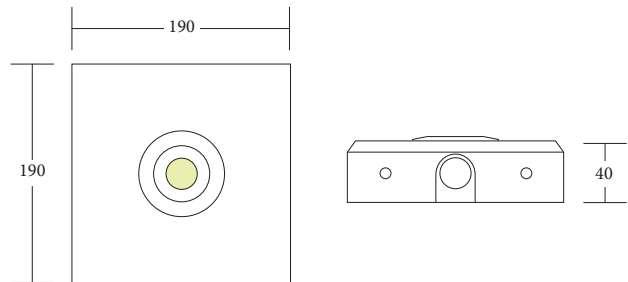
The **LD/SM/W** downlight offers a Wide beam (160 degree) lens configuration ideal for illumination of open areas with mounting heights of typically 2 to 5m.

LD/SM/C ('CORRIDOR' BEAM)

The **LD/SM/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.

LD/SM/HL (HIGH LEVEL / MEDIUM BEAM)

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



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Self-contained LED Downlights - LD/SM

LD/SM RANGE

The **LD/SM** 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 **LD/SM** is both discreet and attractive. Finished in white or black as standard (available in other colours to special order) the **LD/SM** 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 **LD/SM** 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 LMPPro module and LiFePO₄ battery providing 3hour duration, non-maintained emergency lighting.

The **LD/SM** 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.

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



SPECIFICATION

NON-MAINTAINED

Light Source	Nichia White LED
Colour Temperature	4500K
Lumens (Emergency)	Up to 291lm
IP Rating	IP20
Ambient Temperature (Ta)	0 to 40°C
Insulation Class	Class I
Supply Voltage	230V ~ 50Hz
Supply Power	18mA
Battery	6.4V 2.1Ah LiFePO ₄
Dimensions	190mm x 190mm x 40mm

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Self-contained LED Downlights - LD/SM

LD/SM - Typical emergency Lighting spacings for LD/SM Downlights

Mounting height Hm (M)	LS/SM/W		LD/SM/C		LD/SM/HL	
	Spacing (M) min 0.5 Lux open area	Spacing (M) min 1Lux escape	Spacing (M) min 0.5Lux open area	Spacing (M) min 0.5Lux escape	Spacing (M) min 0.5Lux open area	Spacing (M) min 0.5Lux 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	n/a	18	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	8.9	n/a
12.0	n/a	n/a	n/a	n/a	10.1	n/a

ORDER CODES

Description

LD/SM/C/NM3/WH	White surface mounted, self-contained NM3 with 'Corridor' lens
LD/SM/W/NM3/WH	White surface mounted, self-contained NM3 with wide angle lens
LD/SM/HL/NM3/WH	White surface mounted, self-contained NM3 with high level lens
<i>Suffix:</i>	
/DALI	DALI or Self-Test emergency operation
/BL	Black body version

NB: Full .LDT photometry files available upon request

Notes: (LD/SM/HL/NM3)
 10.76Lux achieved at Hm=5m
 15.00Lux achieved at Hm=4m

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