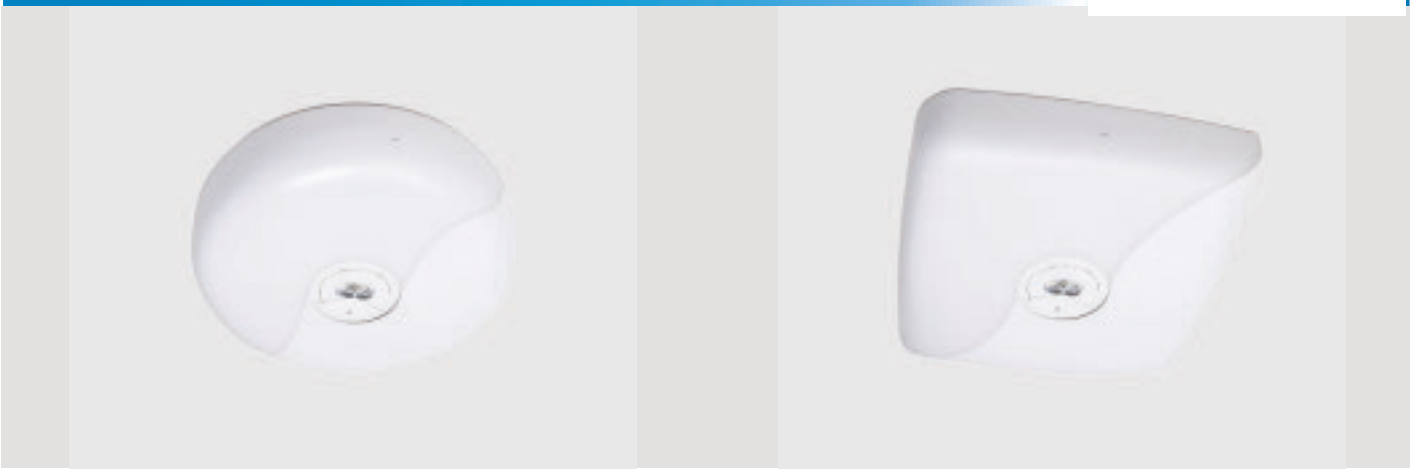
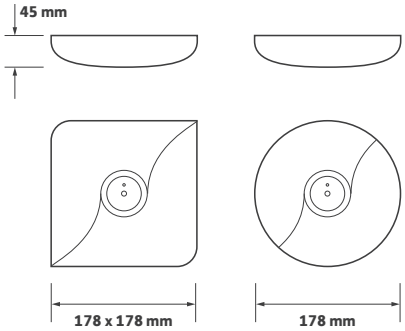
EMSURF Datasheet



Features

- Surface mounted self-contained LED emergency luminaire
- Round or square body
- Open area or corridor lens
- Hidden 'push-to-test' switch for manual testing (/EMD)
- Integral indicator LED
- Deep discharge protection
- Universal first-fix gear tray with options for either through-ceiling or side conduit cable entry
- Non-maintained 3 hour emergency operation
- DALI/self test options available

Technical Drawing



DC Declaration of Conformity available

Ordering Information

Model Ref.	Body	Lens	Output (lm)	Power (W)
EMSURFR/OA	Round	Open area	188	3.5
EMSURFS/OA	Square	Open area	188	3.5
EMSURFR/CO	Round	Corridor	155	3.5
EMSURFS/CO	Square	Corridor	155	3.5

Options

Please select from the options below.

/BK	Black (round body only)
/EMD	Self test / DALI

Please note: Specification values may change due to rapid development of lighting technology. All performance data is taken at an ambient temperature of +25°C. Data may be rounded up/down for illustrative purposes. Tolerance range of optical and electrical data is +/-10%. We reserve the right to amend or change details without prior notification. E&OE. **MDS-275D 18/08/2023**

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Emergency Lighting Spacings

Spacing Table - Open Area (/OA)

Mounting height (m)	Trans. to wall	Trans. to trans.	Axial to trans	Axial to axial	Axial to wall
2.00	3.48	8.62	8.45	8.45	3.29
2.50	3.71	9.31	9.22	9.27	3.70
3.00	3.85	10.07	9.75	10.03	3.73
3.50	3.93	10.46	10.35	10.56	3.77

Spacing Table - Corridor (/CO)

Mounting height (m)	Trans. to wall	Trans. to trans.	Axial to trans	Axial to axial	Axial to wall
2.00	6.97	16.72	10.97	5.76	2.14
2.50	7.26	19.05	12.00	6.10	2.10
3.00	7.07	20.17	12.69	6.04	2.02
3.50	6.31	20.73	12.47	6.01	1.78

Spacing tables are based upon the following parameters:

- Maintenance factor: 0.9
- Ballast lumen factor: 1.00
- Minimum illuminance on centre line: 1lux
- Minimum illuminance over half of the escape route width: 0.5 lux
- Diversity on the centre line maximum: 40:1

Please be aware that these are a minimum guide in accordance with BS/EN 1838. Local risk assessment by a competent person should be carried to ensure the emergency lighting system meets the requirements of the building and its occupants. Photometric data files are available for further information.

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