

# MetaLED

The **MetaLED** range provides excellent viewing distances of 36metres from a conventional package but with the advantage of using long life, low energy LEDs as a light source. The benefits of the modern white low power LEDs include long life (typically 50,000hours+), excellent energy efficiency, low operating temperature therefore improving the life of the internal batteries and good operation at low ambient temperatures.

**MetaLED** exit sign luminaires feature epoxy coated steel enclosures with screen printed opal polycarbonate legend panels enclosing integral rechargeable batteries and a PCB fitted with advanced wide angle white LEDs and efficient driver circuit.

Custom epoxy body colours can be made available to special order.

## OPERATION

The **MetaLED** range is supplied with Maintained operation as standard providing 3 hour duration from integral high temperature Nickel Cadmium (NiCd) batteries. (Non-maintained operation is available by excluding a switched live supply).

Pictogram legend panels complying with the Safety Signs Regulations are supplied as standard but ISO sign formats are also available to special order.

The luminaire offers bright and even luminance across the legend panel ensuring maximum visibility in the event of an emergency and have been tested and BSI Kitemark Certified to EN60598.2.22 and they are also Certified by United Arab Emirates Ministry of Interior Civil Defense GHQ.

## DALI/Self-Test Options:

The **MetaLED** LED 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.

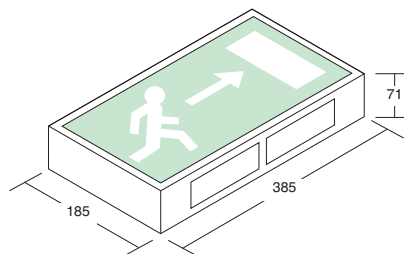
MetaLED luminaires may also be specified with DALI control mains drivers.



MD/M3/WH/SOAU

## GENERAL DETAILS

|                       |  |
|-----------------------|--|
| Product               | LED Exit Sign  |
| Light source          | 16 x white LEDs  |
| Luminaire Lumens      | N/A  |
| Sign viewing distance | 36m  |
| Construction          | Epoxy coated steel body with screen printed Polycarbonate legend panel |
| Geartray              | Integral to base   |
| Dimensions            | 385mm (L) x 185mm (W) x 71mm (H)                                       |
| Cable entry           | 20mm knock-outs  |



**Emergency Lighting Products Limited**  
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**Safe in the knowledge**  
**elp.uk.com**

## Exit Sign Luminaires

## MetaLED

## SPECIFICATION

|                          | Maintained          | Mains only |
|--------------------------|---------------------|------------|
| Light source             | 16 x white LEDs     |            |
| Colour temperature       | 4500K               |            |
| IP rating                | IP20                |            |
| Ambient temperature (Ta) | 0 to 25°C           |            |
| Insulation class         | Class I             |            |
| Supply voltage           | 230V ~ 50Hz         |            |
| Supply power             | 3.0W                | 2.4W       |
| Charge power (typical)   | 1.7W                | —          |
| Battery                  | 1 x 3.6V 1.5Ah NiCd | —          |
| Weight                   | 1.6kg               | 1.4kg      |



MD/M3/WH/ECAD

## ORDER CODES

## Description

|                    |                                     |
|--------------------|-------------------------------------|
| <b>MD/M3/WH</b>    | Maintained emergency exit sign      |
| <b>MD/M3D/WH</b>   | Maintained DALI emergency exit sign |
| <b>MD/230/WH</b>   | Mains only exit sign                |
| <b>MD/230/D/WH</b> | DALI Mains only exit sign           |

(NB: White as standard — other colours available to special order)

|          |               |            |               |
|----------|---------------|------------|---------------|
| LEGENDS: | <b>/ECAR</b>  | EC Format  | — Arrow Right |
|          | <b>/ECAL</b>  | EC Format  | — Arrow Left  |
|          | <b>/ECAD</b>  | EC Format  | — Arrow Down  |
|          | <b>/ISOAR</b> | ISO Format | — Arrow Right |
|          | <b>/ISOAL</b> | ISO Format | — Arrow Left  |
|          | <b>/ISOAU</b> | ISO Format | — Arrow Up    |
|          | <b>/ISOAD</b> | ISO Format | — Arrow Down  |

**NB:** Contact our Sales Office regarding optional LiFePO<sub>4</sub> versions

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