## LED Exit Signs

**elp**
emergency lighting products

# MexLITE Range

The ELP **MexLITE** range of high quality LED exit sign luminaires is perfectly suited to modern architectural environments and available in two sizes for 25m and 30m viewing distances. Offering ease of installation, these luminaires feature a first fix plate. The attractive slim body and legend plate then clips into position. The safety sign legends can be fitted/changed on site by simply clipping the appropriate sign into the frame. (NB: a complete set of EC & ISO legends are supplied with each luminaire).

The framed panel has a specially screen printed finish to ensure uniform illumination of the safety sign legend. Due to their slim design and different mounting options, **MexLITE** luminaires are ideal for integrating into new and existing installations.

The **MexLITE ESA09** and **ESA11** can have the legend panel suspended at different levels by just slipping the wires through the locking clutch bushes. The SELV supply to the LEDs is fed through the suspension wires.

### OPERATION

The **MexLITE** luminaires are available with mains only or Maintained emergency operation. (All emergency versions provide 3 hour duration). Maintained versions can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a complete loss of normal mains supply. (Non-maintained operation is available by excluding a switched live supply).

**MexLITE** luminaires use the latest high efficiency, white LEDs, a 'smart' energy efficient battery charger/driver circuit and long-life Lithium Iron Phosphate batteries (LiFePO4). The luminaires are designed to fully comply with the relevant parts of EN60598.2.22

### DALI/Self-Test Options:

The **MexLITE** 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.

**NB:** Self-Test is available for all versions *but* DALI operation is only available for the larger sizes — **ESA10 & ESA11**

DALI  Self Test

### GENERAL DETAILS

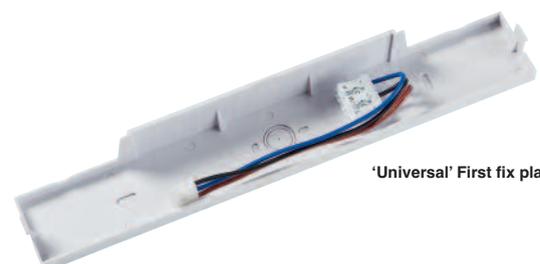| Product | LED Exit Sign (Fixed and Wire Suspended) |
|---|---|
| Light source | 14 x white LEDs |
| Luminaire Lumens | N/A |
| Sign viewing distances | 25m (ESA08 and ESA09) |
| | 30m (ESA10 and ESA11) |
| Construction | Polycarbonate |
| Geartray | First fix plate |
| Dimensions | *See line drawings* |
| Cable entry | Top and back (first fix plate) |



**MXL/ESA08 and MXL/ESA10**

**Adjustable suspension wire**
*Length: 15mm to 1metre*

**MXL/ESA09 and MXL/ESA11**

**'Universal' First fix plate**

All details and specifications shown in this document are deemed correct at time of publication. The right to modify equipment, change specifications and instructions without notice, is reserved as part of the Emergency Lighting Products Limited policy of continuous development and improvement. We endeavour to keep all our customers informed of any alterations as and when they occur.

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## SPECIFICATION

| | |
|---|---|
| Light source | 14 x white LEDs |
| Colour temperature | 4500K |
| Luminaire Lumens | N/A |
| IP Rating | IP40 |
| Ambient temperature (Ta) | 25°C |
| Insulation Class | Class II |
| Supply voltage | 230V ~ 50Hz |
| Supply power (Maintained) | 2.6W (ESA 08/09)  3.1W (ESA 10/11) |
| Supply power (Non-maintained) | 0.8W |
| Charge power (typical) | 0.7W |
| Battery (LiFePO4) | 6.4V 600mAh (standard) 3.2V 3.2Ah (DALI) |
| Weight | 2.5kg (max.) |

**Simple height adjustment**

MXL/ESA09LFP/M3 *(small)*     MXL/ESA11LFP/M3 *(large)*

## Wall/Ceiling Mounting with optional Wire Suspension

**MexLITE** Exit Signs are suitable for Wall/Ceiling mounting and offer Wire Suspended versions. Mounting is achieved via a first fix plate which has fixing holes suitable for wall or ceiling mounting. The Wire Suspended versions utilise parallel suspension wires that allow the height of the legend to be easily set by the use of two locking clutch bush mechanisms.

## Recessed Mounting

**MexLITE** Exit Signs can be supplied with a ceiling recessing accessory allowing the standard body to recess into a ceiling cut-out mounting bracket. This feature is ideal for applications requiring a more aesthetic installation.

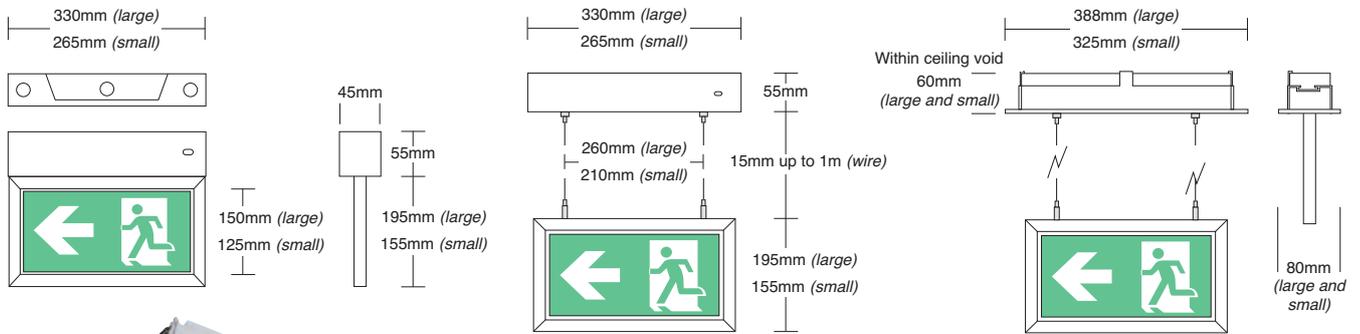MXL/ESA11LFP/M3/RB  (using /RB recessing accessory)

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## DIMENSIONS

The two styles of **MexLITE** (fixed and wire suspended) are both available in two different sizes, providing viewing distances of 25 metres and 30 metres.

*Large = 30m viewing distance*

*Small = 25m viewing distance*

330mm *(large)*
265mm *(small)*

45mm

55mm

150mm *(large)*
125mm *(small)*

195mm *(large)*
155mm *(small)*

330mm *(large)*
265mm *(small)*

55mm

260mm *(large)*
210mm *(small)*

15mm up to 1m *(wire)*

195mm *(large)*
155mm *(small)*

388mm *(large)*
325mm *(small)*

Within ceiling void
60mm *(large and small)*

80mm *(large and small)*

MXL/ESA11LFP/M3/RB
(with /RB recessing bracket)

MXL/ESA10LFP/M3 *(large)*
MXL/ESA08LFP/M3 *(small)*

## ORDER CODES | Description

### 25m viewing distance

| Code | Description |
|---|---|
| MXL/ESA08LFP/M3 | Wall/Ceiling Mounted, 3 hour duration, Maintained, Non-Maintained |
| MXL/ESA08/230 | Wall/Ceiling Mounted, Mains only |
| MXL/ESA09LFP/M3 | Wall/Surface Mounted Wire Suspended, 3 hour duration, Maintained, Non-Maintained |
| MXL/ESA09/230 | Wall/Surface Mounted Wire Suspended, Mains only |

**NB:** All versions supplied with a complete set EC and ISO legend screens

### 30m viewing distance

| Code | Description |
|---|---|
| MXL/ESA10LFP/M3 | Wall/Ceiling Mounted, 3 hour duration, Maintained, Non-Maintained |
| MXL/ESA10LFP/M3/D | Wall/Ceiling Mounted, 3 hour duration, DALI Maintained, Non-Maintained |
| MXL/ESA10/230 | Wall/Ceiling Mounted, Mains only |
| MXL/ESA11LFP/M3 | Surface Mounted Wire Suspended, 3 hour duration, Maintained, Non-Maintained |
| MXL/ESA11LFP/M3/D | Surface Mounted Wire Suspended, 3 hour duration, DALI Maintained, Non-Maintained |
| MXL/ESA11/230 | Surface Mounted Wire Suspended, Mains only |

**NB:** All versions supplied with a complete set EC and ISO legend screens

### OPTIONS:

| Code | Description |
|---|---|
| /STE | Self-Test emergency operation (no DALI operation) |
| MXL/ESA08-09/RB | Recessing bracket for recessed ceiling applications (For MXL/ESA08 and 09 versions) |
| MXL/ESA10-11/RB | Recessing bracket for recessed ceiling applications (For MXL/ESA10 and 11 versions) |

### LEGENDS:

| Code | | | Description |
|---|---|---|---|
| MXL/ESA08-09/ISO/** | MXL/ESA08 or 09 | Single | ISO format legend panel (**=AR-right; AL-left; AD-down; AU-up) |
| MXL/ESA08-09/EC/** | MXL/ESA08 or 09 | Single | EC format legend panel (**=AR-right; AL-left; AD-down; AU-up) |
| MXL/ESA10-11/ISO/** | MXL/ESA10 or 11 | Single | ISO format legend panel (**=AR-right; AL-left; AD-down; AU-up) |
| MXL/ESA10-11/EC/** | MXL/ESA10 or 11 | Single | EC format legend panel (**=AR-right; AL-left; AD-down; AU-up) |