



# L-PLAST 250 BEL-R-90 DM

## Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.

Slim, attractive housing made of polycarbonate with clear hood for ceiling mounting. Screwless, easy-to-use locking mechanism.

For ceiling mounting in longitudinal direction with optics for escape route illumination. Also available as recessed ceiling version with optional recessed ceiling frame.



## Technical specifications

| Luminaire type                     | Luminaires for central battery systems                | Self contained luminaires |
|------------------------------------|-------------------------------------------------------|---------------------------|
| Illuminant                         | 2 W<br>LED-bar                                        | 2 W<br>LED-bar            |
| Connecting terminals               | 2 x 2.5 mm <sup>2</sup> for double assignment         |                           |
| Colour                             | white                                                 |                           |
| Material                           | Polycarbonate (light cover clear)                     |                           |
| Mounting type                      | Ceiling mounting                                      |                           |
| Additional mounting types*         | Recessed mounting, Ceiling mounting (wire suspension) |                           |
| Dimensions (W x H x D)             | DM 239 x 62 x 59 mm                                   |                           |
| Protection class                   | IP54                                                  |                           |
| Safety class                       | II                                                    |                           |
| IK Safety class                    | IK03                                                  |                           |
| Light current (mains)              | 240 lm                                                | 240 lm                    |
| Light current (emergency)          |                                                       |                           |
| Battery duration 1h                | –                                                     | 240 lm                    |
| Battery duration 3h                | –                                                     | 105 lm                    |
| Luminous flux                      |                                                       |                           |
| Emergency (DC) / mains             |                                                       |                           |
| Battery duration 1h                | –                                                     | 100% / 100%               |
| Battery duration 3h                | –                                                     | 45% / 100%                |
| Power consumption                  | 5.5 VA                                                | 5.5 VA                    |
| Battery current input              | 14 mA                                                 | –                         |
| Battery duration                   | –                                                     | 1h / 3h                   |
| Battery operation                  |                                                       |                           |
| Voltage supply                     | 230V 50/60Hz;<br>220V DC +25/-20%                     | 230V 50/60Hz              |
| NiMH-battery                       |                                                       |                           |
| Battery duration 1h                | –                                                     | 4,8V 0,8Ah                |
| Battery duration 3h                | –                                                     | 4,8V 0,8Ah                |
| Temperature range                  | -10°C to +40°C                                        | –                         |
| Non-maintained mode                | –                                                     | 0°C to +35°C              |
| Maintained mode                    | –                                                     | -5°C to +30°C             |
| optional                           |                                                       |                           |
| Multi-switch and monitoring module | ELC<br>MSÜ3<br>SET009<br>SET010                       | –                         |
| Self monitoring                    | –                                                     | SELF CHECK                |
| Central monitoring                 | –                                                     | SAFELOG Line              |
| Wireless monitoring                | –                                                     | SAFELOG Wireless          |

\* Optional accessory required

## Accessories

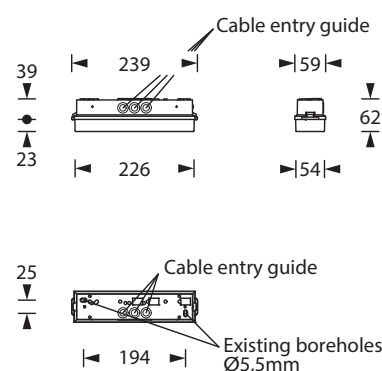
Wire guard

Recessed ceiling frame - clampable

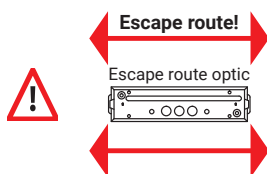
Chain assembly set

Cable assembly set

## Ceiling mounting



## Lighting data and tables of luminaire distances (E = 1,25 lx)

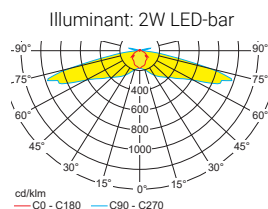


Ceiling mounting

Mounting direction

### Luminaires for central battery systems **escape route optics**

Distance table for plane emergency routes / distance data in meters

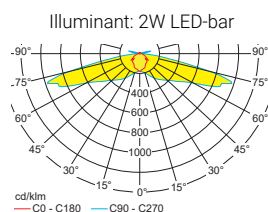


Luminous flux emergency / mains: 240lm

|   | 2.50  | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50  |
|---|-------|-------|-------|-------|-------|-------|-------|
| a | 18.10 | 19.80 | 20.40 | 20.60 | 20.40 | 19.20 | 17.90 |
| b | 7.20  | 7.40  | 6.90  | 6.20  | 5.80  | 5.20  | 4.50  |
| c | -     | -     | -     | -     | -     | -     | -     |
| d | -     | -     | -     | -     | -     | -     | -     |

### Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

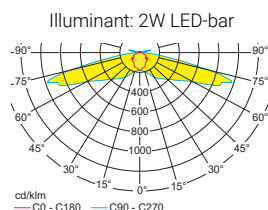


Luminous flux emergency / mains: 240lm/240lm – **Battery duration: 1h**

|   | 2.50  | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50  |
|---|-------|-------|-------|-------|-------|-------|-------|
| a | 18.10 | 19.80 | 20.40 | 20.60 | 20.40 | 19.20 | 17.90 |
| b | 7.20  | 7.40  | 6.90  | 6.20  | 5.80  | 5.20  | 4.50  |
| c | -     | -     | -     | -     | -     | -     | -     |
| d | -     | -     | -     | -     | -     | -     | -     |

### Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters



Luminous flux emergency / mains: 105lm/240lm – **Battery duration: 3h**

|   | 2.50  | 3.00  | 3.50  |
|---|-------|-------|-------|
| a | 13.50 | 13.50 | 12.10 |
| b | 4.30  | 3.80  | 3.20  |
| c | -     | -     | -     |
| d | -     | -     | -     |