



# SAFE D-2T

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

Weatherproof and ball-proof die-cast aluminum housing with safety glass pane, sealed with silicone. Cable entry into luminaire housing from rear and bottom possible.

Version for ceiling mounting. Low-beam hall luminaire with two high-power LEDs and low-beam optics. IP65 membrane pressure compensation valve as standard.

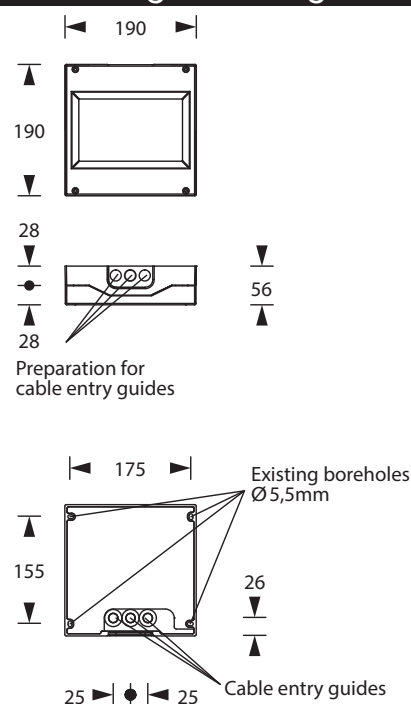
Optionally, the luminaire can be supplied as a central battery version for a temperature range down to -35°C (unmonitored).



## Technical specifications

| Luminaire type                     | Luminaires for central battery systems                          | Self contained luminaires      |
|------------------------------------|-----------------------------------------------------------------|--------------------------------|
| Illuminant                         | 2 x 3 W LED                                                     | 2 x 3 W LED                    |
| Connecting terminals               | 3 x 2.5 mm <sup>2</sup> for double assignment                   |                                |
| Colour                             | white                                                           |                                |
| Material                           | Aluminum die-cast                                               |                                |
| Mounting type                      | Ceiling mounting                                                |                                |
| Additional mounting types*         | Ceiling mounting (wire suspension)                              |                                |
| Dimensions (W x H x D)             | DM 190 x 56 x 190 mm                                            |                                |
| Protection class                   | IP65                                                            |                                |
| Safety class                       | I                                                               |                                |
| IK Safety class                    | IK08                                                            |                                |
| Light current (mains)              | 480 lm                                                          | 360 lm                         |
| Light current (emergency)          |                                                                 |                                |
| Battery duration 1h                | –                                                               | 480 lm                         |
| Battery duration 3h                | –                                                               | 480 lm                         |
| Battery duration 8h                | –                                                               | 240 lm                         |
| Luminous flux                      |                                                                 |                                |
| Emergency (DC) / mains             |                                                                 |                                |
| Battery duration 1h                | –                                                               | 100% / 75%                     |
| Battery duration 3h                | –                                                               | 100% / 75%                     |
| Battery duration 8h                | –                                                               | 50% / 75%                      |
| Power consumption                  | 10 VA                                                           | 8 VA                           |
| Battery current input              | 25 mA                                                           | –                              |
| Battery duration                   | –                                                               | 1h / 3h / 8h                   |
| Battery operation                  |                                                                 |                                |
| Voltage supply                     | 230V 50/60Hz;<br>220V DC +25/-20%                               | 230V 50/60Hz                   |
| NiMH-battery                       |                                                                 |                                |
| Battery duration 1h                | –                                                               | 4,8V 2,0Ah<br>4,8V 2,0Ah + AkH |
| Battery duration 3h                | –                                                               | 4,8V 4,2Ah<br>4,8V 4,2Ah + AkH |
| Battery duration 8h                | –                                                               | 4,8V 4,2Ah<br>4,8V 4,2Ah + AkH |
| Temperature range                  | -10°C to +40°C<br>(monitored) / -20°C to<br>+40°C (unmonitored) | –                              |
| 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               |

## Ceiling mounting



\* Optional accessory required

## Accessories

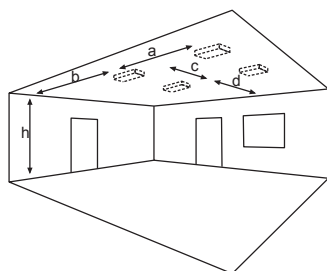
Rear mounting bracket

Pole and wall bracket

Chain assembly set

Cable assembly set

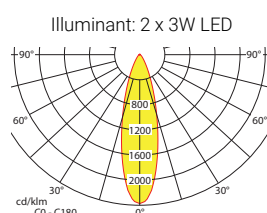
## Lighting data and tables of luminaire distances ( $E = 1,25 \text{ lx}$ )



Ceiling mounting

### Luminaires for central battery systems **downlight optics**

Distance table for plane emergency routes / distance data in meters

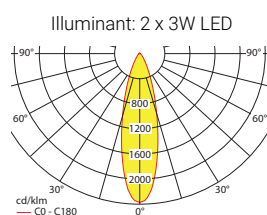


Luminous flux emergency / mains: 480lm

| h | 7.00  | 9.00  | 11.00 | 13.00 | 15.00 | 17.00 | 19.00 | 21.00 | 23.00 | 25.00 | 27.00 | 29.00 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 10.60 | 11.80 | 12.70 | 13.50 | 14.20 | 14.60 | 14.90 | 15.10 | 15.10 | 14.90 | 14.50 | 14.00 |
| b | 4.30  | 4.70  | 5.00  | 5.20  | 5.30  | 5.30  | 5.10  | 4.90  | 4.50  | 3.80  | 2.80  | 0.30  |
| c | 10.60 | 11.80 | 12.70 | 13.50 | 14.20 | 14.60 | 14.90 | 15.10 | 15.10 | 14.90 | 14.50 | 14.00 |
| d | 4.30  | 4.70  | 5.00  | 5.20  | 5.30  | 5.30  | 5.10  | 4.90  | 4.50  | 3.80  | 2.80  | 0.30  |

### Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

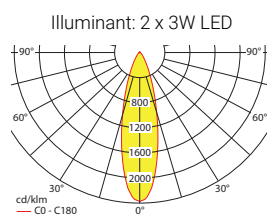


Luminous flux emergency / mains: 480lm/360lm – **Battery duration: 1h**

| h | 7.00  | 9.00  | 11.00 | 13.00 | 15.00 | 17.00 | 19.00 | 21.00 | 23.00 | 25.00 | 27.00 | 29.00 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 10.60 | 11.80 | 12.70 | 13.50 | 14.20 | 14.60 | 14.90 | 15.10 | 15.10 | 14.90 | 14.50 | 14.00 |
| b | 4.30  | 4.70  | 5.00  | 5.20  | 5.30  | 5.30  | 5.10  | 4.90  | 4.50  | 3.80  | 2.80  | 0.30  |
| c | 10.60 | 11.80 | 12.70 | 13.50 | 14.20 | 14.60 | 14.90 | 15.10 | 15.10 | 14.90 | 14.50 | 14.00 |
| d | 4.30  | 4.70  | 5.00  | 5.20  | 5.30  | 5.30  | 5.10  | 4.90  | 4.50  | 3.80  | 2.80  | 0.30  |

### Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

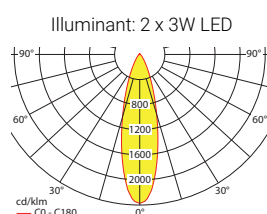


Luminous flux emergency / mains: 480lm/360lm – **Battery duration: 3h**

| h | 7.00  | 9.00  | 11.00 | 13.00 | 15.00 | 17.00 | 19.00 | 21.00 | 23.00 | 25.00 | 27.00 | 29.00 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 10.60 | 11.80 | 12.70 | 13.50 | 14.20 | 14.60 | 14.90 | 15.10 | 15.10 | 14.90 | 14.50 | 14.00 |
| b | 4.30  | 4.70  | 5.00  | 5.20  | 5.30  | 5.30  | 5.10  | 4.90  | 4.50  | 3.80  | 2.80  | 0.30  |
| c | 10.60 | 11.80 | 12.70 | 13.50 | 14.20 | 14.60 | 14.90 | 15.10 | 15.10 | 14.90 | 14.50 | 14.00 |
| d | 4.30  | 4.70  | 5.00  | 5.20  | 5.30  | 5.30  | 5.10  | 4.90  | 4.50  | 3.80  | 2.80  | 0.30  |

### Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters



Luminous flux emergency / mains: 240lm/360lm – **Battery duration: 8h**

| h | 7.00 | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 18.00 | 19.00 | 20.00 |
|---|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 8.60 | 9.10 | 9.50 | 9.90  | 10.10 | 10.30 | 10.50 | 10.60 | 10.70 | 10.70 | 10.60 | 10.50 | 10.30 | 10.00 |
| b | 3.50 | 3.60 | 3.70 | 3.70  | 3.80  | 3.70  | 3.70  | 3.60  | 3.40  | 3.20  | 3.00  | 2.60  | 2.00  | 1.30  |
| c | 8.60 | 9.10 | 9.50 | 9.90  | 10.10 | 10.30 | 10.50 | 10.60 | 10.70 | 10.70 | 10.60 | 10.50 | 10.30 | 10.00 |
| d | 3.50 | 3.60 | 3.70 | 3.70  | 3.80  | 3.70  | 3.70  | 3.60  | 3.40  | 3.20  | 3.00  | 2.60  | 2.00  | 1.30  |