



# SMARTLUX 300 BEL WM/DM

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

Appealing, modern IP54 safety luminaire for wide area illumination, made of white polycarbonate and clear cover. Easy to install due to screwless click system.

The central battery version is available with 1,5 Watt, 3 Watt, 6 Watt or 10 Watt LED-bar. The self-contained luminaire is equipped with either 1,5 Watt or 3 Watt LED-bar.



## Technical specifications

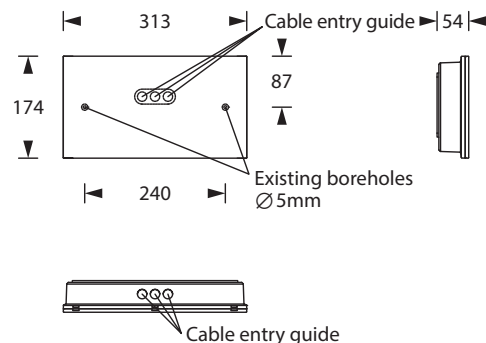
| Luminaire type                     | Luminaires for central battery systems                                                           |             |             |              | Self contained luminaires |             |
|------------------------------------|--------------------------------------------------------------------------------------------------|-------------|-------------|--------------|---------------------------|-------------|
|                                    | 1.5 W LED-bar                                                                                    | 3 W LED-bar | 6 W LED-bar | 10 W LED-bar | 1.5 W LED-bar             | 3 W LED-bar |
| Illuminant                         |                                                                                                  |             |             |              |                           |             |
| Connecting terminals               | 2 x 2.5 mm <sup>2</sup> for double assignment                                                    |             |             |              |                           |             |
| Colour                             | white                                                                                            |             |             |              |                           |             |
| Material                           | Polycarbonate (light cover clear)                                                                |             |             |              |                           |             |
| Mounting type                      | Wall-/ceiling mounting                                                                           |             |             |              |                           |             |
| Additional mounting types*         | Recessed mounting, Ceiling mounting (wire suspension), Wall recessed mounting, Pendulum mounting |             |             |              |                           |             |
| Dimensions (W x H x D)             | WM/DM 313 x 174 x 54 mm                                                                          |             |             |              |                           |             |
| Protection class                   | IP54                                                                                             |             |             |              |                           |             |
| Safety class                       | II                                                                                               |             |             |              |                           |             |
| IK Safety class                    | IK03                                                                                             |             |             |              |                           |             |
| Light current (mains)              | 190 lm                                                                                           | 350 lm      | 600 lm      | 1050 lm      | 190 lm                    | 350 lm      |
| Light current (emergency)          |                                                                                                  |             |             |              |                           |             |
| Battery duration 1h                | –                                                                                                | –           | –           | –            | 190 lm                    | 350 lm      |
| Battery duration 3h                | –                                                                                                | –           | –           | –            | 190 lm                    | 350 lm      |
| Battery duration 8h                | –                                                                                                | –           | –           | –            | 190 lm                    | –           |
| Luminous flux                      |                                                                                                  |             |             |              |                           |             |
| Emergency (DC) / mains             |                                                                                                  |             |             |              |                           |             |
| Battery duration 1h                | –                                                                                                | –           | –           | –            | 100% / 100%               | 100% / 100% |
| Battery duration 3h                | –                                                                                                | –           | –           | –            | 100% / 100%               | 100% / 100% |
| Battery duration 8h                | –                                                                                                | –           | –           | –            | 100% / 100%               | –           |
| Power consumption                  | 5 VA                                                                                             | 6 VA        | 10.3 VA     | 15 VA        | 5 VA                      | 6 VA        |
| Battery current input              | 12 mA                                                                                            | 19 mA       | 27 mA       | 41 mA        | –                         | –           |
| Battery duration                   |                                                                                                  |             |             |              |                           |             |
| Battery operation                  |                                                                                                  |             | –           |              | 1h / 3h / 8h              |             |
| Voltage supply                     | 230V 50/60Hz; 220V DC +25/-20%                                                                   |             |             |              | 230V 50/60Hz              |             |
| NiMH-battery                       |                                                                                                  |             |             |              |                           |             |
| Battery duration 1h                | –                                                                                                | –           | –           | –            | 4,8V 2,0Ah                | 4,8V 2,0Ah  |
| Battery duration 3h                | –                                                                                                | –           | –           | –            | 4,8V 2,0Ah                | 4,8V 4,2Ah  |
| Battery duration 8h                | –                                                                                                | –           | –           | –            | 4,8V 4,2Ah                | –           |
| 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 | DALI<br>ELC<br>MSÜ3<br>SET009<br>SET010                                                          |             |             |              | –                         |             |
| Self monitoring                    | –                                                                                                |             |             |              | SELF CHECK                |             |
| Central monitoring                 | –                                                                                                |             |             |              | SAFELOG Line              |             |
| Wireless monitoring                | –                                                                                                |             |             |              | SAFELOG Wireless          |             |

\* Optional accessory required

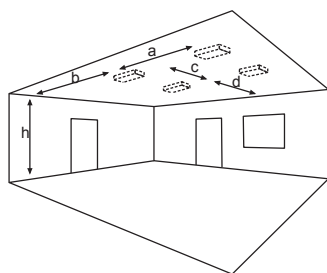
## Accessories

Ball protection cover  
Wire guard  
Recessed frame - set  
Universal cover plate  
Central pendulum - Plastic  
Cable assembly set

## Wall-/ceiling mounting



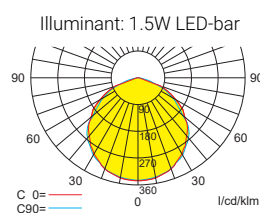
## Lighting data and tables of luminaire distances ( $E = 1,25 \text{ lx}$ )



Ceiling mounting

### Luminaires for central battery systems Wide area illumination

Distance table for plane emergency routes / distance data in meters

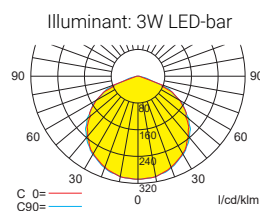


Luminous flux emergency / mains: 190lm

| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00  | 5.50  | 6.00  | 6.50 | 7.00 | 7.50 | 8.00 |
|---|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| a | 8.00 | 8.60 | 9.00 | 9.40 | 9.80 | 10.00 | 10.10 | 10.00 | 9.00 | 9.40 | 8.90 | 6.90 |
| b | 3.20 | 3.40 | 3.60 | 3.60 | 3.50 | 3.40  | 3.20  | 2.80  | 2.40 | 1.80 | 1.10 | 1.00 |
| c | 8.20 | 8.80 | 9.30 | 9.50 | 9.80 | 9.90  | 9.90  | 9.80  | 9.50 | 9.20 | 8.80 | 7.00 |
| d | 3.30 | 3.40 | 3.50 | 3.50 | 3.40 | 3.30  | 3.10  | 2.80  | 2.40 | 1.90 | 1.00 | 0.90 |

### Luminaires for central battery systems Wide area illumination

Distance table for plane emergency routes / distance data in meters

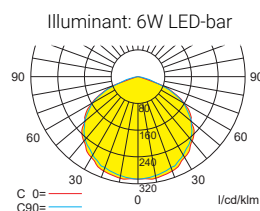


Luminous flux emergency / mains: 350lm

| h | 2.50 | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50  | 6.00  | 6.50  | 7.00  | 7.50  | 8.00  | 8.50  | 9.00  | 9.50  | 10.00 | 10.50 | 11.00 |
|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 9.40 | 10.30 | 11.20 | 11.80 | 11.90 | 12.30 | 12.60 | 12.80 | 13.00 | 13.00 | 13.00 | 12.50 | 12.30 | 12.10 | 11.40 | 11.00 | 9.00  | 7.80  |
| b | 4.00 | 4.10  | 4.30  | 4.40  | 4.50  | 4.50  | 4.40  | 4.30  | 4.20  | 4.00  | 3.60  | 3.20  | 2.50  | 1.50  | 1.50  | 0.80  | 0.70  | 0.60  |
| c | 9.80 | 10.30 | 11.20 | 11.40 | 11.90 | 12.30 | 12.20 | 12.80 | 13.00 | 12.60 | 12.50 | 12.50 | 12.30 | 12.10 | 11.40 | 11.00 | 9.00  | 7.80  |
| d | 4.00 | 4.20  | 4.30  | 4.40  | 4.50  | 4.50  | 4.40  | 4.30  | 4.20  | 3.80  | 3.40  | 3.00  | 2.50  | 1.50  | 1.50  | 0.80  | 0.70  | 0.60  |

### Luminaires for central battery systems Wide area illumination

Distance table for plane emergency routes / distance data in meters

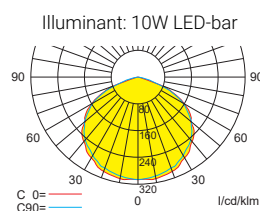


Luminous flux emergency / mains: 600lm

| h | 2.00  | 3.00  | 4.00  | 5.00  | 6.00  | 7.00  | 8.00  | 9.00  | 10.00 | 11.00 | 12.00 | 13.00 | 14.00 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 9.90  | 12.40 | 14.10 | 15.30 | 16.10 | 16.80 | 16.80 | 16.90 | 16.60 | 16.00 | 15.20 | 14.10 | 10.00 |
| b | 4.20  | 5.10  | 5.60  | 5.90  | 6.00  | 5.90  | 5.50  | 5.00  | 4.20  | 2.80  | 2.10  | 1.50  | 1.00  |
| c | 10.20 | 12.60 | 14.30 | 15.50 | 16.30 | 16.60 | 17.20 | 17.30 | 16.90 | 16.30 | 15.60 | 14.10 | 10.00 |
| d | 4.30  | 5.10  | 5.70  | 5.90  | 6.10  | 6.00  | 5.70  | 5.20  | 4.50  | 3.20  | 2.80  | 1.50  | 1.00  |

### Luminaires for central battery systems Wide area illumination

Distance table for plane emergency routes / distance data in meters

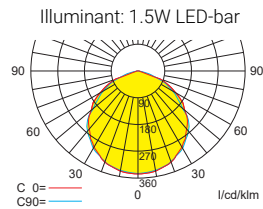


Luminous flux emergency / mains: 1050lm

| h | 2.00  | 3.00  | 4.00  | 5.00  | 6.00  | 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 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a | 10.20 | 14.20 | 16.40 | 18.20 | 19.50 | 20.60 | 21.20 | 21.90 | 22.10 | 22.30 | 22.20 | 21.90 | 21.30 | 20.50 | 19.50 | 18.40 | 15.40 | 13.00 |
| b | 4.40  | 5.90  | 6.70  | 7.30  | 7.60  | 7.80  | 7.90  | 7.70  | 7.50  | 7.00  | 6.50  | 5.70  | 4.40  | 2.40  | 2.90  | 2.00  | 1.80  | 1.00  |
| c | 10.50 | 14.20 | 16.60 | 18.40 | 19.70 | 20.90 | 21.50 | 21.80 | 22.30 | 22.70 | 22.60 | 22.30 | 21.70 | 21.20 | 20.30 | 18.90 | 15.80 | 13.00 |
| d | 4.40  | 6.00  | 6.80  | 7.40  | 7.70  | 7.80  | 8.00  | 7.90  | 7.60  | 7.30  | 6.70  | 6.00  | 4.90  | 2.90  | 2.90  | 2.00  | 2.00  | 1.00  |

## Wide area illumination

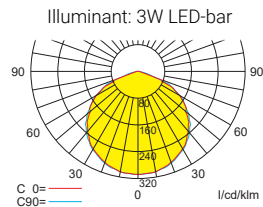
### Distance table for plane emergency routes / distance data in meters



| Luminous flux emergency / mains: 190lm/190lm – Battery duration: 1h |      |      |      |      |      |       |       |       |      |      |      |      |
|---------------------------------------------------------------------|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| h                                                                   | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00  | 5.50  | 6.00  | 6.50 | 7.00 | 7.50 | 8.00 |
| a                                                                   | 8.00 | 8.60 | 9.00 | 9.40 | 9.80 | 10.00 | 10.10 | 10.00 | 9.00 | 9.40 | 8.90 | 6.90 |
| b                                                                   | 3.20 | 3.40 | 3.60 | 3.60 | 3.50 | 3.40  | 3.20  | 2.80  | 2.40 | 1.80 | 1.10 | 1.00 |
| c                                                                   | 8.20 | 8.80 | 9.30 | 9.50 | 9.80 | 9.90  | 9.90  | 9.80  | 9.50 | 9.20 | 8.80 | 7.00 |
| d                                                                   | 3.30 | 3.40 | 3.50 | 3.50 | 3.40 | 3.30  | 3.10  | 2.80  | 2.40 | 1.90 | 1.00 | 0.90 |

## Wide area illumination

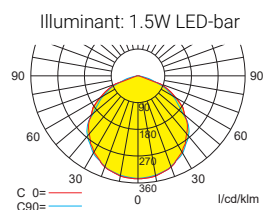
### Distance table for plane emergency routes / distance data in meters



| Luminous flux emergency / mains: 350lm/350lm – Battery duration: 1h |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| h                                                                   | 2.50 | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50  | 6.00  | 6.50  | 7.00  | 7.50  | 8.00  | 8.50  | 9.00  | 9.50  | 10.00 | 10.50 | 11.00 |
| a                                                                   | 9.40 | 10.30 | 11.20 | 11.80 | 11.90 | 12.30 | 12.60 | 12.80 | 13.00 | 13.00 | 13.00 | 12.50 | 12.30 | 12.10 | 11.40 | 11.00 | 9.00  | 7.80  |
| b                                                                   | 4.00 | 4.10  | 4.30  | 4.40  | 4.50  | 4.50  | 4.40  | 4.30  | 4.20  | 4.00  | 3.60  | 3.20  | 2.50  | 1.50  | 1.50  | 0.80  | 0.70  | 0.60  |
| c                                                                   | 9.80 | 10.30 | 11.20 | 11.40 | 11.90 | 12.30 | 12.20 | 12.80 | 13.00 | 12.60 | 12.50 | 12.50 | 12.30 | 12.10 | 11.40 | 11.00 | 9.00  | 7.80  |
| d                                                                   | 4.00 | 4.20  | 4.30  | 4.40  | 4.50  | 4.50  | 4.40  | 4.30  | 4.20  | 3.80  | 3.40  | 3.00  | 2.50  | 1.50  | 1.50  | 0.80  | 0.70  | 0.60  |

## Wide area illumination

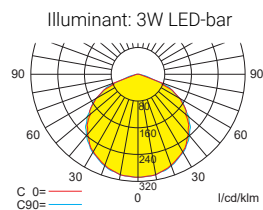
### Distance table for plane emergency routes / distance data in meters



| Luminous flux emergency / mains: 190lm/190lm – <b>Battery duration: 3h</b> |      |      |      |      |      |       |       |       |      |      |      |      |
|----------------------------------------------------------------------------|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| h                                                                          | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00  | 5.50  | 6.00  | 6.50 | 7.00 | 7.50 | 8.00 |
| a                                                                          | 8.00 | 8.60 | 9.00 | 9.40 | 9.80 | 10.00 | 10.10 | 10.00 | 9.00 | 9.40 | 8.90 | 6.90 |
| b                                                                          | 3.20 | 3.40 | 3.60 | 3.60 | 3.50 | 3.40  | 3.20  | 2.80  | 2.40 | 1.80 | 1.10 | 1.00 |
| c                                                                          | 8.20 | 8.80 | 9.30 | 9.50 | 9.80 | 9.90  | 9.90  | 9.80  | 9.50 | 9.20 | 8.80 | 7.00 |
| d                                                                          | 3.30 | 3.40 | 3.50 | 3.50 | 3.40 | 3.30  | 3.10  | 2.80  | 2.40 | 1.90 | 1.00 | 0.90 |

## Wide area illumination

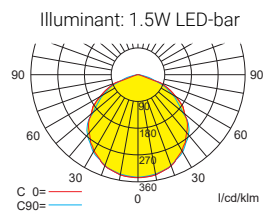
### Distance table for plane emergency routes / distance data in meters



| Luminous flux emergency / mains: 350lm/350lm – Battery duration: 3h |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| h                                                                   | 2.50 | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50  | 6.00  | 6.50  | 7.00  | 7.50  | 8.00  | 8.50  | 9.00  | 9.50  | 10.00 | 10.50 | 11.00 |
| a                                                                   | 9.40 | 10.30 | 11.20 | 11.80 | 11.90 | 12.30 | 12.60 | 12.80 | 13.00 | 13.00 | 13.00 | 12.50 | 12.30 | 12.10 | 11.40 | 11.00 | 9.00  | 7.80  |
| b                                                                   | 4.00 | 4.10  | 4.30  | 4.40  | 4.50  | 4.50  | 4.40  | 4.30  | 4.20  | 4.00  | 3.60  | 3.20  | 2.50  | 1.50  | 1.50  | 0.80  | 0.70  | 0.60  |
| c                                                                   | 9.80 | 10.30 | 11.20 | 11.40 | 11.90 | 12.30 | 12.20 | 12.80 | 13.00 | 12.60 | 12.50 | 12.50 | 12.30 | 12.10 | 11.40 | 11.00 | 9.00  | 7.80  |
| d                                                                   | 4.00 | 4.20  | 4.30  | 4.40  | 4.50  | 4.50  | 4.40  | 4.30  | 4.20  | 3.80  | 3.40  | 3.00  | 2.50  | 1.50  | 1.50  | 0.80  | 0.70  | 0.60  |

## Wide area illumination

### Distance table for plane emergency routes / distance data in meters



| Luminous flux emergency / mains: 190lm/190lm – <b>Battery duration: 8h</b> |      |      |      |      |      |       |       |       |      |      |      |      |
|----------------------------------------------------------------------------|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| h                                                                          | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00  | 5.50  | 6.00  | 6.50 | 7.00 | 7.50 | 8.00 |
| a                                                                          | 8.00 | 8.60 | 9.00 | 9.40 | 9.80 | 10.00 | 10.10 | 10.00 | 9.00 | 9.40 | 8.90 | 6.90 |
| b                                                                          | 3.20 | 3.40 | 3.60 | 3.60 | 3.50 | 3.40  | 3.20  | 2.80  | 2.40 | 1.80 | 1.10 | 1.00 |
| c                                                                          | 8.20 | 8.80 | 9.30 | 9.50 | 9.80 | 9.90  | 9.90  | 9.80  | 9.50 | 9.20 | 8.80 | 7.00 |
| d                                                                          | 3.30 | 3.40 | 3.50 | 3.50 | 3.40 | 3.30  | 3.10  | 2.80  | 2.40 | 1.90 | 1.00 | 0.90 |