



# BEAM 175-PC A-F

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

Flat polycarbonate housing in an appealing design. Easy to handle locking mechanism without screws.

Model configured as ceiling mounting assembly with high-capacity LED (switching type: non-maintained mode) and with cast acrylic optics for wide area lighting by way of circular light- deflecting characteristics.

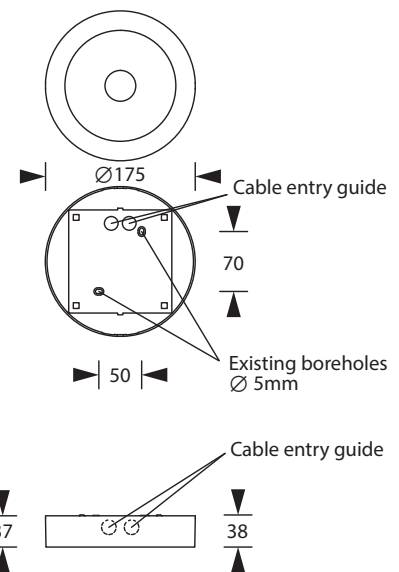
## Technical specifications

| Luminaire type                     | Luminaires for central battery systems                | Self contained luminaires |
|------------------------------------|---|---------------------------|
| Illuminant                         | 3 W<br>LED  | 3 W<br>LED                |
| Connecting terminals               | 3 x 2.5 mm <sup>2</sup> for double assignment         |                           |
| Colour                             | white   |                           |
| Material                           | Polycarbonate   |                           |
| Mounting type                      | Ceiling mounting                                      |                           |
| Additional mounting types*         | Ceiling mounting (wire suspension), Pendulum mounting |                           |
| Dimensions (Ø x H)                 | DM 175 x 38 mm  |                           |
| Protection class                   | IP40  |                           |
| Safety class                       | I   |                           |
| IK Safety class                    | IK03  |                           |
| Light current (mains)              | 240 lm  | 50 lm                     |
| Light current (emergency)          |   |                           |
| Rated operating time 1h            | -   | 240 lm                    |
| Rated operating time 3h            | -   | 240 lm                    |
| Rated operating time 8h            | -   | 110 lm                    |
| Luminous flux                      |   |                           |
| Emergency (DC) / mains             |   |                           |
| Rated operating time 1h            | -   | 100% / 20%                |
| Rated operating time 3h            | -   | 100% / 20%                |
| Rated operating time 8h            | -   | 50% / 20%                 |
| Power consumption                  | 6 VA  | 5 VA                      |
| Battery current input              | 15 mA   | -                         |
| Battery duration                   | -   | 1h / 3h / 8h              |
| Battery operation                  |   |                           |
| Voltage supply                     | 230V 50/60Hz;<br>220V DC +25/-20%                     | 230V 50/60Hz              |
| NiMH-battery                       |   |                           |
| Rated operating time 1h            | -   | 4,8V 2,0Ah                |
| Rated operating time 3h            | -   | 4,8V 2,0Ah                |
| Rated operating time 8h            | -   | 4,8V 2,0Ah                |
| 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



## Ceiling mounting



**Accessories**

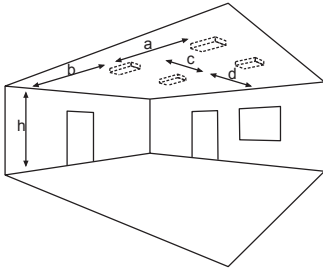
Wire guard

Central pendulum - BEAM 125/130

Wire mounting set - BEAM 125/130

Cable assembly set

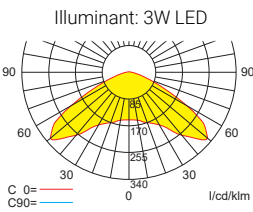
**Lighting data and tables of luminaire distances (E = 1,25 lx)**



Ceiling mounting

**Luminaires for central battery systems wide area optics**

Distance table for plane emergency routes / distance data in meters

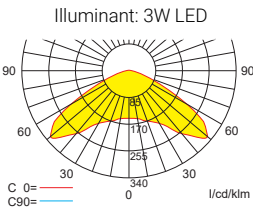


Luminous flux emergency / mains: 240lm

|   |      |       |       |       |       |       |      |      |      |      |
|---|------|-------|-------|-------|-------|-------|------|------|------|------|
| h | 2.50 | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50 | 6.00 | 6.50 | 7.00 |
| a | 9.40 | 10.60 | 11.50 | 12.20 | 12.90 | 13.30 | 9.50 | 8.50 | 7.40 | 6.00 |
| b | 4.10 | 4.40  | 4.60  | 4.80  | 4.40  | 2.50  | 1.50 | 1.00 | 0.90 | 0.80 |
| c | 9.40 | 10.60 | 11.50 | 12.20 | 12.90 | 13.30 | 9.50 | 8.50 | 7.40 | 6.00 |
| d | 4.10 | 4.40  | 4.60  | 4.80  | 4.40  | 2.50  | 1.50 | 1.00 | 0.90 | 0.80 |

**Self contained luminaires wide area optics**

Distance table for plane emergency routes / distance data in meters

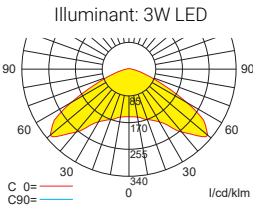


Luminous flux emergency / mains: 240lm/50lm – **Rated operating time: 1h**

|   |      |       |       |       |       |       |      |      |      |      |
|---|------|-------|-------|-------|-------|-------|------|------|------|------|
| h | 2.50 | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50 | 6.00 | 6.50 | 7.00 |
| a | 9.40 | 10.60 | 11.50 | 12.20 | 12.90 | 13.30 | 9.50 | 8.50 | 7.40 | 6.00 |
| b | 4.10 | 4.40  | 4.60  | 4.80  | 4.40  | 2.50  | 1.50 | 1.00 | 0.90 | 0.80 |
| c | 9.40 | 10.60 | 11.50 | 12.20 | 12.90 | 13.30 | 9.50 | 8.50 | 7.40 | 6.00 |
| d | 4.10 | 4.40  | 4.60  | 4.80  | 4.40  | 2.50  | 1.50 | 1.00 | 0.90 | 0.80 |

**Self contained luminaires wide area optics**

Distance table for plane emergency routes / distance data in meters

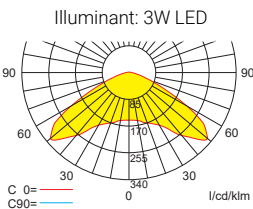


Luminous flux emergency / mains: 240lm/50lm – **Rated operating time: 3h**

|   |      |       |       |       |       |       |      |      |      |      |
|---|------|-------|-------|-------|-------|-------|------|------|------|------|
| h | 2.50 | 3.00  | 3.50  | 4.00  | 4.50  | 5.00  | 5.50 | 6.00 | 6.50 | 7.00 |
| a | 9.40 | 10.60 | 11.50 | 12.20 | 12.90 | 13.30 | 9.50 | 8.50 | 7.40 | 6.00 |
| b | 4.10 | 4.40  | 4.60  | 4.80  | 4.40  | 2.50  | 1.50 | 1.00 | 0.90 | 0.80 |
| c | 9.40 | 10.60 | 11.50 | 12.20 | 12.90 | 13.30 | 9.50 | 8.50 | 7.40 | 6.00 |
| d | 4.10 | 4.40  | 4.60  | 4.80  | 4.40  | 2.50  | 1.50 | 1.00 | 0.90 | 0.80 |

**Self contained luminaires wide area optics**

Distance table for plane emergency routes / distance data in meters



Luminous flux emergency / mains: 110lm/50lm – **Rated operating time: 8h**

|   |      |      |      |      |
|---|------|------|------|------|
| h | 2.50 | 3.00 | 3.50 | 4.00 |
| a | 7.90 | 8.70 | 8.90 | 5.40 |
| b | 3.20 | 3.10 | 1.30 | 1.00 |
| c | 7.90 | 8.70 | 8.90 | 5.40 |
| d | 3.20 | 3.10 | 1.30 | 1.00 |