



INSTAR EQ-F/R

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

Almost ceiling-flush luminaire body made of die-cast aluminum, powder-coated in white or black. Square design for installation in device boxes.

Optics for area illumination are pre-assembled, optics for escape route illumination are included.

A square surface-mount housing for ceiling surface mounting made of die-cast aluminum is available as an option.



Figure shows accessory

Technical specifications

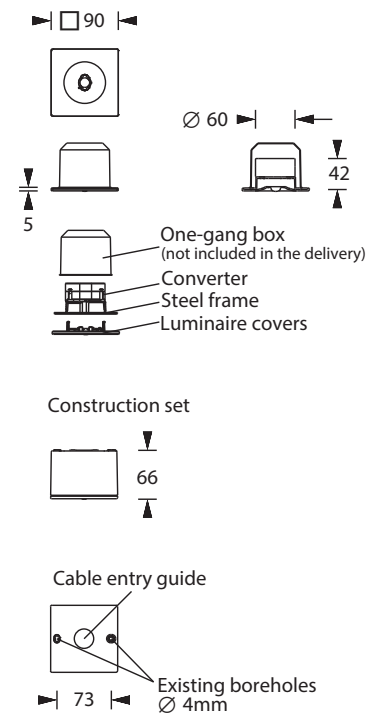
| Luminaire type | Luminaires for central battery systems |
|------------------------------------|---|
| Illuminant | 3 W LED |
| Connecting terminals | 2 x 2.5 mm ² for double assignment |
| Colour | white / black |
| Material | Aluminum die-cast |
| Mounting type | Recessed mounting |
| Additional mounting types* | Ceiling mounting |
| Dimensions (W x H x D) | DE 90 x 47 x 90 mm |
| Protection class | IP40 |
| Safety class | II |
| IK Safety class | IK03 |
| Light current (mains) | 280 lm |
| Power consumption | 6 VA |
| Battery current input | 15 mA |
| Voltage supply | 230V 50/60Hz; 220V DC +25/-20% |
| Temperature range | -10°C to +40°C |
| optional | |
| Multi-switch and monitoring module | ELC MSÜ3 SET010 |

* Optional accessory required

Accessories

| |
|----------------------------------|
| Construction set |
| Universal cover plate |
| 5lx-optics accessories-set |
| Downlight-optics accessories-set |

Recessed/ ceiling mounting

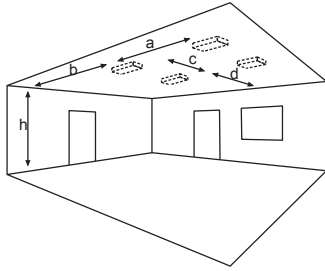


Use in device boxes

The following device boxes are compatible with the luminaire (not included in the scope of delivery)

| Type | Manufacturer | Manufacturer Art. No. | Remarks |
|---|--------------|-----------------------|---|
| Ceiling boxes for ceiling formwork | KAISER | 1227-50 | Or another make with min. 115 mm depth and the same clear inside diameter, ceiling cutout Ø 60 mm |
| Fire-protection boxes | KAISER | 9464-50 | Or another make with min. 55 mm depth and the same clear inside diameter, ceiling cutout Ø 74 mm |
| One-gang boxes for cavity wall installation | KAISER | 6264-22 | Or another make with min. 61 mm depth and the same clear inside diameter, ceiling cutout Ø 68 mm |
| One-gang boxes for flushmounting installation | KAISER | 1555-04 | Or another make with min. 66 mm depth and the same clear inside diameter, ceiling cutout Ø 60 mm |
| One-gang boxes for on-side mixed concrete | KAISER | 1260-01 | Or another make with min. 79 mm depth and the same clear inside diameter, ceiling cutout Ø 60 mm |

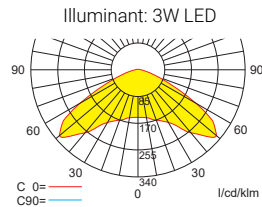
Lighting data and tables of luminaire distances (E = 1,25 lx)



Ceiling mounting

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

Distance table for plane emergency routes / distance data in meters

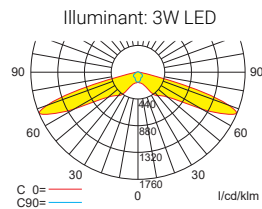


Luminous flux emergency / mains: 280lm

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 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 | 10.50 | 11.90 | 13.20 | 14.10 | 14.60 | 14.90 | 14.80 | 14.60 | 14.20 | 12.00 | 9.90 | 7.80 |
| b | 4.70 | 5.10 | 5.20 | 5.20 | 5.00 | 4.50 | 3.30 | 2.00 | 0.90 | 0.80 | 0.80 | 0.80 |
| c | 10.50 | 11.90 | 13.20 | 14.10 | 14.60 | 14.90 | 14.80 | 14.60 | 14.20 | 12.00 | 9.90 | 7.80 |
| d | 4.70 | 5.10 | 5.20 | 5.20 | 5.00 | 4.50 | 3.30 | 2.00 | 0.90 | 0.80 | 0.80 | 0.80 |

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

Distance table for plane emergency routes / distance data in meters



Luminous flux emergency / mains: 280lm

| | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 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 |
| a | 18.20 | 20.40 | 22.50 | 24.30 | 25.90 | 27.40 | 28.90 | 27.60 | 27.50 | 21.00 | 16.00 | 14.00 | 10.00 | 8.00 |
| b | 8.00 | 8.90 | 9.60 | 10.10 | 10.50 | 10.30 | 9.10 | 6.20 | 6.20 | 6.00 | 6.00 | 6.00 | 6.00 | 4.00 |
| c | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| d | - | - | - | - | - | - | - | - | - | - | - | - | - | - |