IP40 IP20 3W LED Colour

# A-STAR EQ-F/R

MADE in GERMANY

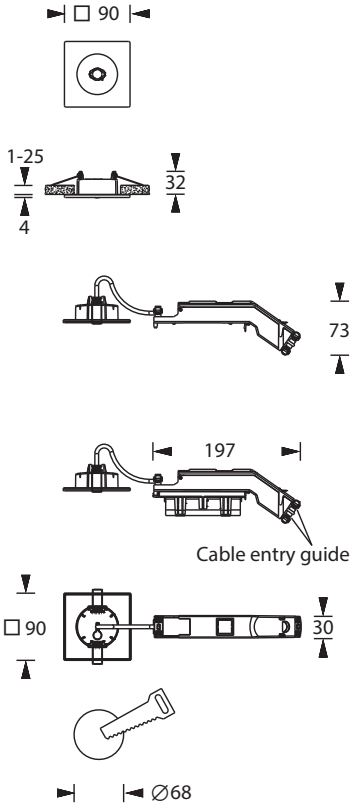
**Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.**
Almost ceiling-flush luminaire body made of die-cast aluminum, powder-coated in white or black in square design for recessed ceiling mounting.
To reduce maintenance costs, the battery of the single-battery version can be replaced without tools via a click system. The optics for area illumination are pre-assembled, the optics for escape route illumination are included.
The luminaire can also be installed together with a HaloX® concrete recessed housing.



## Technical specifications

| Luminaire type | Luminaires for central battery systems | Self contained luminaires |
|---|---|---|
| Illuminant | 3 W LED | 3 W LED |
| Connecting terminals | 2 x 2.5 mm² for double assignment | |
| Colour | white / black | |
| Material | Aluminum die-cast/Polycarbonate | |
| Mounting type | Recessed mounting | |
| Dimensions (W x H x D) | DE 90 x 36 x 90 mm | |
| Dimensions Container (W x H x D) | 197 x 73 x 30 mm | |
| Ceiling cutout (Ø) | 68 mm | |
| Min. installation depth | 80 mm | |
| Protection class | IP40 | |
| Protection class container | IP20 | |
| Safety class | II | |
| IK Safety class | IK03 | |
| Light current (mains) | 280 lm | 120 lm |
| Light current (emergency) | | |
| Battery duration 1h | – | 280 lm |
| Battery duration 3h | – | 280 lm |
| Battery duration 8h | – | 120 lm |
| Luminous flux Emergency (DC) / mains | | |
| Battery duration 1h | – | 100% / 45% |
| Battery duration 3h | – | 100% / 45% |
| Battery duration 8h | – | 50% / 20% |
| Power consumption | 6 VA | 5 VA |
| Battery current input | 15 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 |
| Battery duration 3h | – | 4,8V 2,0Ah |
| Battery duration 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 MSÜ3 SET009 SET010 | – |
| Self monitoring | – | SELF CHECK |
| Central monitoring | – | SAFELOG Line |
| Wireless monitoring | – | SAFELOG Wireless |

## Recessed mounting




ATTENTION: Min. installation depth 80mm



Technical changes reserved / 04.11.2026

## Accessories

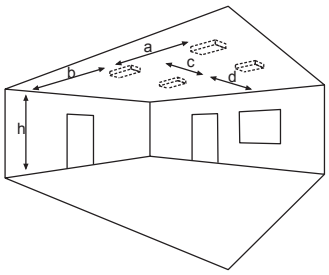
| |
|---|
| Universal cover plate |
| 5lx-optics accessories-set |
| Downlight-optics accessories-set |

## 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 |
|---|---|---|---|
| Concrete installation housings for on-side mixed concrete | KAISER | 1281-00 | HALOX 100 with tunnel 190 KAISER Art. No. 1281-30 with e.g. cover KAISER Art. No. 1281-03 |
| Concrete installation housings for on-side mixed concrete | KAISER | 1282-00 | HALOX 180 with tunnel 190 KAISER Art. No. 1282-30 with e.g. cover KAISER Art. No. 1282-10 |

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



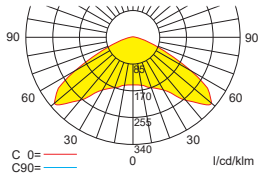

Ceiling mounting

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

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

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm



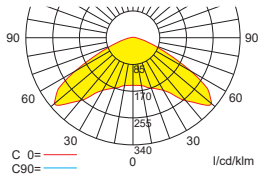

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
| a | 10.50 | 11.90 | 13.20 | 14.10 | 14.60 | 14.90 | 14.80 | 14.60 | 14.20 | 12.00 | 9.90 | 7.80 |
| b | 4.70 | 5.10 | 5.20 | 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 |

### Self contained luminaires **wide area optics**

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

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 1h**



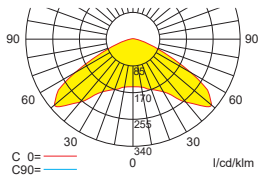

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
| a | 10.50 | 11.90 | 13.20 | 14.10 | 14.60 | 14.90 | 14.80 | 14.60 | 14.20 | 12.00 | 9.90 | 7.80 |
| b | 4.70 | 5.10 | 5.20 | 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 |

### Self contained luminaires **wide area optics**

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

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 3h**



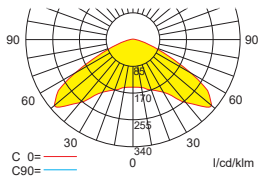

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
| a | 10.50 | 11.90 | 13.20 | 14.10 | 14.60 | 14.90 | 14.80 | 14.60 | 14.20 | 12.00 | 9.90 | 7.80 |
| b | 4.70 | 5.10 | 5.20 | 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 |

### Self contained luminaires **wide area optics**

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

Illuminant: 3W LED

Luminous flux emergency / mains: 120lm/120lm – **Battery duration: 8h**



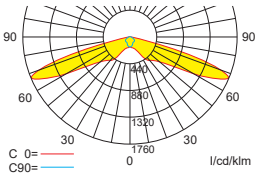

| | | | | | | |
|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 |
| a | 9.00 | 9.60 | 9.70 | 9.50 | 7.70 | 6.00 |
| b | 3.40 | 3.20 | 2.40 | 1.10 | 1.00 | 1.00 |
| c | 9.00 | 9.60 | 9.70 | 9.50 | 7.70 | 6.00 |
| d | 3.40 | 3.20 | 2.40 | 1.10 | 1.00 | 1.00 |

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

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

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm



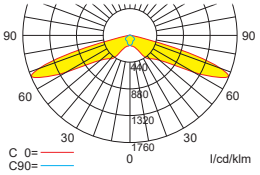

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | 8.50 | 9.00 |
| a | 18.20 | 20.40 | 22.50 | 24.30 | 25.90 | 27.40 | 28.90 | 27.60 | 27.50 | 21.00 | 16.00 | 14.00 | 10.00 | 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 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |

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

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

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 1h**



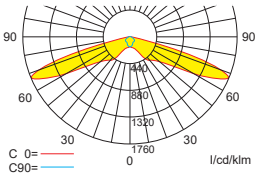

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | 8.50 | 9.00 |
| a | 18.20 | 20.40 | 22.50 | 24.30 | 25.90 | 27.40 | 28.90 | 27.60 | 27.50 | 21.00 | 16.00 | 14.00 | 10.00 | 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 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |

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

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

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 3h**



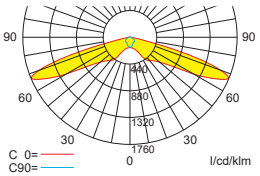

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | 8.50 | 9.00 |
| a | 18.20 | 20.40 | 22.50 | 24.30 | 25.90 | 27.40 | 28.90 | 27.60 | 27.50 | 21.00 | 16.00 | 14.00 | 10.00 | 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 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |

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

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

Illuminant: 3W LED

Luminous flux emergency / mains: 120lm/120lm – **Battery duration: 8h**




| | | | | | | |
|---|---|---|---|---|---|---|
| h | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 |
| a | 15.50 | 17.10 | 18.60 | 18.00 | 12.00 | 10.00 |
| b | 6.60 | 7.00 | 6.90 | 4.30 | 4.00 | 3.00 |
| c | – | – | – | – | – | – |
| d | – | – | – | – | – | – |