

Star²²[®]



IP42

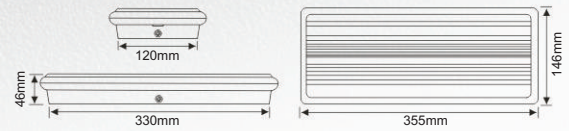
3 YEAR GUARANTEE

- Low profile
- Unique elegant design
- Easy to install
- Certificated by ENEC Kema Keur
- Protection rate IP42
- High temperature batteries Ni-Cd
- Autotest version
- Magnet test facility (optional)
- Wide range of different models

The Star22 family of emergency luminaries has been developed to include a wide range of products depending on the emergency duration, the functionalism and the type of lamps. This impressive variety, offers a useful flexibility to the installer, who now has several different choices that fulfil any requirements for effective emergency lighting, from simple residential applications to specific industrial ones.

A full range of accessories, including several legend stickers, recessed base for wall or flush mounting and plexiglass signs for deploying the luminary as an exit sign, are available in order to fulfill every modern need.

All luminaries have a 3 years warranty to ensure product's reliability.



MG

| Order code | | | | | |
|------------|------------|--------|------|-----------------|----------------|
| EL20 | FL8W G5 | 70 Lm | 90' | 2,4V-1,5Ah NiCd | Non maintained |
| EL20-210 | FL8W G5 | 225 Lm | 60' | 6V-1,5Ah NiCd | Non maintained |
| EL20-3H | FL8W G5 | 100 Lm | 180' | 6V-1,5Ah NiCd | Non maintained |
| EL20A | PL11W 2G7 | 130 Lm | 60' | 3,6V-1,5Ah NiCd | Non maintained |
| EL20A-3H | PL11W 2G7 | 100 Lm | 180' | 6V-1,5Ah NiCd | Non maintained |
| EL20B | PL18W 2G11 | 210 Lm | 90' | 6V-1,5Ah NiCd | Non maintained |
| EL20C | FL 2X8W G5 | 240 Lm | 90' | 6V-1,5Ah NiCd | Non maintained |
| EL20M | FL8W G5 | 70 Lm | 90' | 2,4V-1,5Ah NiCd | Maintained |
| EL20M-210 | PL11W 2G7 | 225 Lm | 60' | 6V-1,5Ah NiCd | Maintained |
| EL20M-3H | PL18W 2G11 | 100 Lm | 180' | 6V-1,5Ah NiCd | Maintained |
| EL20AM | FL8W G5 | 130 Lm | 60' | 3,6V-1,5Ah NiCd | Maintained |
| EL20AM-3H | PL11W 2G7 | 100 Lm | 180' | 6V-1,5Ah NiCd | Maintained |
| EL20BM | PL18W 2G11 | 210 Lm | 90' | 6V-1,5Ah NiCd | Maintained |

Autotest function

LED Indications (1 LED luminaires)

| | |
|--|--|
| | Stand by |
| | Stand by, First test to be executed or delayed duration test |
| | Fault: Lamp Failure |
| | Fault: Battery capacity too low or charge current incorrect |
| | On |
| | Blinking Alternately |
| | Blinking |

| Κωδικός | | | | | |
|-------------|------------|--------|------|-----------------|----------------|
| EL20SU | PL11W 2G7 | 75 Lm | 90' | 2,4V-1,5Ah NiCd | Sustained |
| EL20SU-3H | PL18W 2G11 | 75 Lm | 180' | 6V-1,5Ah NiCd | Sustained |
| EL20 MAINS | FL8W G5 | - | - | - | Mains |
| EL20A MAINS | PL11W 2G7 | - | - | - | Mains |
| EL20B MAINS | PL18W 2G11 | - | - | - | Mains |
| EL28-AUT | FL8W G5 | 230 Lm | 60' | 6V-1,5Ah NiCd | Non maintained |
| EL28A-AUT | PL11W 2G7 | 230 Lm | 60' | 6V-1,5Ah NiCd | Non maintained |
| EL28B-AUT | PL18W 2G11 | 230 Lm | 60' | 6V-1,5Ah NiCd | Non maintained |
| EL28M-AUT | FL8W G5 | 230 Lm | 60' | 6V-1,5Ah NiCd | Maintained |

Applications

Residential applications
Offices
Hotels
Restaurants
Warehouses



Accessories



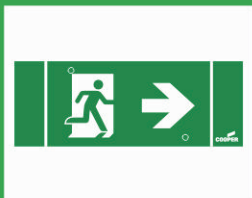
EL20PS



DS20



EL20RW / EL20RB



02-428

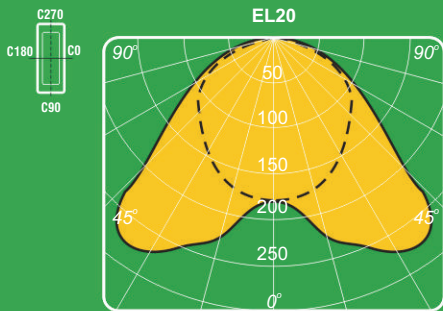
| Order code | Description |
|------------|----------------------------------|
| EL20RW | Wall mounting base |
| EL20RB | Flush mounting base |
| DS20 | Double side diffuser |
| EL20PS | Diffuser & legend (blank) |
| EL20PSD | Diffuser & legend (down) |
| EL20PSLR | Diffuser & legend (left/right) |
| MG | Magnet for luminary test |
| 02-428 | Legend sticker (left/right/down) |

Specification

Self - contained emergency luminary, with maintained, non - maintained or sustained operation and an emergency duration of 60', 90' or 180' minutes. Certificated by ENEC Kema Keur that meets all the European Standards. Several lamp options such as 8W, 11W, 2x8W and 18W fluorescence lamp. Protection rate IP42. Optional test facility utilizing a magnet. Body material made of ABS plastic and diffuser of Polycarbonate (glue wire tested 850 °C). Battery type is Ni-Cd, rechargeable of high temperature. A built-in led will indicate in real time the normal charging operation.

Suggested type for non - maintained luminary, 8W fluorescence lamp and 90' minutes emergency duration: **Cooper Star22: EL20**

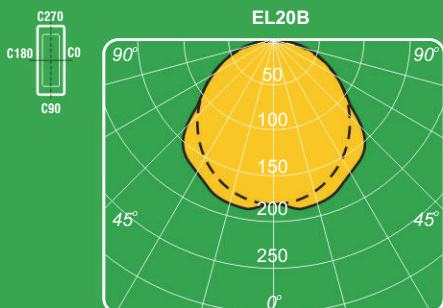
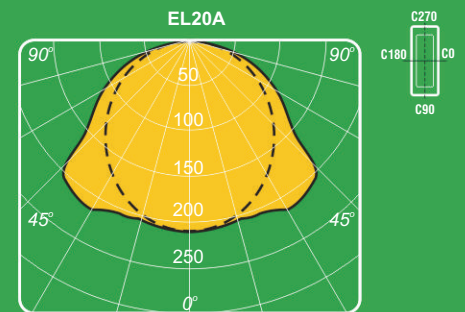
Polar Diagram



Photometric Data

| h | Distance for 1 Lux | | | | Distance for 0,5 Lux | | | |
|-------|--------------------|-------|-------|-------|----------------------|-------|-------|-------|
| | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ |
| 02.60 | 02.69 | 06.68 | 02.05 | 05.98 | 03.84 | 08.45 | 03.49 | 07.92 |
| 02.80 | 02.80 | 06.92 | 02.00 | 06.01 | 03.96 | 08.66 | 03.50 | 08.09 |
| 03.00 | 02.90 | 07.05 | 01.95 | 06.00 | 04.02 | 08.90 | 03.50 | 08.26 |
| 03.20 | 02.98 | 07.13 | 01.85 | 05.97 | 04.07 | 09.14 | 03.48 | 08.34 |
| 03.50 | 03.04 | 07.51 | 01.69 | 05.87 | 04.25 | 09.29 | 03.44 | 08.43 |
| 04.00 | 02.95 | 08.00 | 01.24 | 05.60 | 04.50 | 09.81 | 03.30 | 08.55 |

| h | Distance for 1 Lux | | | | Distance for 0,5 Lux | | | |
|-------|--------------------|-------|-------|-------|----------------------|-------|-------|-------|
| | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ |
| 2.60 | 03.29 | 08.39 | 02.96 | 07.71 | 04.69 | 10.38 | 04.35 | 09.54 |
| 02.80 | 03.34 | 08.62 | 03.00 | 07.82 | 04.81 | 10.71 | 04.41 | 09.82 |
| 03.00 | 03.40 | 08.83 | 03.02 | 07.96 | 04.91 | 11.05 | 04.48 | 10.11 |
| 03.20 | 03.44 | 08.97 | 03.07 | 08.16 | 04.99 | 11.31 | 04.58 | 10.32 |
| 03.50 | 03.62 | 09.19 | 03.05 | 08.28 | 05.09 | 11.65 | 04.64 | 10.74 |
| 04.00 | 03.76 | 09.50 | 03.03 | 08.55 | 05.25 | 12.32 | 04.77 | 11.09 |



| h | Distance for 1 Lux | | | | Distance for 0,5 Lux | | | |
|-------|--------------------|-------|-------|-------|----------------------|-------|-------|-------|
| | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ |
| 02.60 | 03.75 | 09.42 | 03.73 | 09.30 | 05.21 | 11.68 | 05.15 | 11.15 |
| 02.80 | 03.85 | 09.70 | 03.85 | 09.62 | 05.35 | 12.01 | 05.31 | 11.48 |
| 03.00 | 03.92 | 09.99 | 03.94 | 09.87 | 05.49 | 12.30 | 05.43 | 11.93 |
| 03.20 | 03.97 | 10.24 | 03.98 | 10.12 | 05.62 | 12.62 | 05.56 | 12.40 |
| 03.50 | 04.04 | 10.46 | 04.05 | 10.38 | 05.73 | 13.17 | 05.69 | 12.79 |
| 04.00 | 04.24 | 10.93 | 04.14 | 10.93 | 05.97 | 13.86 | 05.97 | 13.58 |