

Area Flash Light SQ207FL - Technical data



- LED Area Light for flash operation
- active light field 200 mm x 65 mm
- 252 high performance 5 mm LEDs
- applicable as a clear, diffused, polarised, focusing incident illumination or as a transmitted illumination
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- adjustable flash times up to 220 µs
- different trigger modes
- robust industrial model, Aluminium casing, IP40
- 150 mm cable with an M16 12-pin plug
- drag chain connection cable with an M16 12-pin socket in different lengths available as accessory *↪ please note page 211 of the main product catalogue*

With the following table you can assemble your desired type of lighting:*

* A detailed product key explanation can be found on [Page 4](#) of the main product catalogue.

| Available illumination variants | | | | | |
|---------------------------------|------------------|---------------------------|-------------------------------|------------|------------|
| Model | Diffusing panel | Illumination colour | Brightness regulation | Trigger | Flash time |
| SQ207FL | ALK ALD DL | R IR870 W B G | Potentiometer, optional VC | SPS TTL | 100 220 |

| | | |
|------------------------------|---------------------------|---|
| Operation mode | Flash | |
| Operation voltage | 19...30 V DC | wide range voltage input |
| Max. current | 1,1 A | at 24 V |
| Trigger modes | TTL / SPS | TTL: rising slope at trigger input, min. 2,8 V DC, max. 30 V DC SPS: rising slope at trigger input, min. 15 V DC, max. 30 V DC |
| Flash times | 10 - 100 µs / 20 - 220 µs | adjustable with potentiometer, max. flash frequency 100 Hz or 35 Hz |
| Brightness regulation | Potentiometer / VC | Potentiometer: 0...100 % (deactivated with VC - models) or VC: 0...100 % when connected to a voltage of 2...10 V DC on the VC analogue input (potentiometer deactivated) |
| Ambient temperature | 5 - 45 °C / 37 - 113 °F | non-condensing |
| Weight | 1,1 kg | |
| Protection class | IP 40 | |
| Connection | M16 12-pin plug | 150 mm drag chain cable with an M16 12-pin plug, IP67 |

| Pin arrangement M16 plug | | | |
|--------------------------|--------|--------------------|------------------------------------|
| A+K | white | GND | GND Operation voltage |
| B+L | brown | U _g | Operation voltage |
| C | green | NC | NC |
| D | yellow | VC | Brightness regulation 2...10 V DC |
| E | grey | NC | NC |
| F | pink | +Trigger SPS / TTL | SPS >15 V / TTL >3 V, rising slope |
| G | blue | GND Trigger | GND trigger circuit |
| H | Shield | Shield | Shield connection |
| J | nc | NC | NC |
| M | nc | NC | NC |

LIFETIME
75.000h+

x=0,31
y=0,31

470nm

525nm

625nm

870nm

Strobe / Flash

CONTROLLER
INSIDE

Price list: page 293 of the main product catalogue

T1-Adapter cable: starting on page 212 of the main product catalogue

Area Flash Light SQ207FL - Technical drawing

