

Area Light SQ40 - Technical data



- LED Area Light for continuous / switch operation
- active light field 40 mm x 40 mm
- 36 high performance 5 mm LEDs
- applicable as a clear, diffused, polarised, focusing incident illumination or as a transmitted illumination (diffusors, lenses and accessories can be found in our price list)
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- 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](#)

LIFETIME
75.000h+

x=0,31
y=0,31

470nm

525nm

625nm

870nm

CONTINUOUS

SWITCH

CONTROLLER
INSIDE



Price list: page 260 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 |
|-------|----------------------------|---------------------------|-------------------------------|
| SQ40 | ALK ALD ALF100 DL | R IR870 W B G | Potentiometer, optional VC |

| | | |
|------------------------------|---|---|
| Operation mode | Continuous / switch | VC analogue input with up to 30 V DC |
| Operation voltage | 10...30 V DC | wide range voltage input |
| Max. current | 0,2 A | at 24 V |
| Brightness regulation | Potentiometer / VC | Potentiometer: 0...100 % (deactivated with VC - models) or VC: 0...100 % when connected to a voltage of 1...10 V DC on the VC analogue input (potentiometer deactivated) |
| Switching (Load-free) | 20ms on time up to continuous operation, VC-voltage 10-30 VDC | Switching rate max. 10 Hz; brightness regulation via VC-input not possible (potentiometer must be deactivated) |
| Ambient temperature | 5 - 45 °C / 37 - 113 °F | non-condensing |
| Weight | 0,25 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 _b | Operation voltage | |
| C | green | NC | NC | |
| D | yellow | VC | Brightness regulation 1...10 V DC | |
| E | grey | NC | NC | |
| F | pink | NC | NC | |
| G | blue | NC | NC | |
| H | Shield | Shield | Shield connection | |
| J | nc | NC | NC | |
| M | nc | NC | NC | |



Mounting solution:
starting on page 223 of the main product catalogue

Area Light SQ40 - Technical drawing

