# BEGA

# 51 049.4

Ceiling luminaire for indoor use

| Project · Reference number | Date |
|---|---|

## Product data sheet

### Application
Ceiling luminaire · indoor luminaire impact resistant synthetic diffuser and metal housing for non-glare light deflected downwards.

### Product description
Ceiling luminaire »STUDIO LINE«
Luminaire housing made of aluminium, surface Colour velvet black
inside hue matt brass
Metal luminaire mounting plate, finish Colour velvet black
Impact resistant synthetic diffuser, white, with bayonet closure
2 mounting holes ø 5.5 mm
Distance apart 180 mm
2 cable entries for through-wiring for mains cable up to ø 10.5 mm max. 3 × 1.5$^\square$
Connection terminal 2.5$^\square$
Earth conductor connection
LED power supply unit
220-240 V $\sim$ 50-60 Hz
BEGA Thermal Switch®
Temporary thermal shutdown to protect temperature-sensitive components
Safety class I
Impact strength IK10
Protection against mechanical impacts < 20 joule
$C\epsilon$ – Conformity mark
Weight: 1.2 kg
This product contains light sources of energy efficiency class(es) D
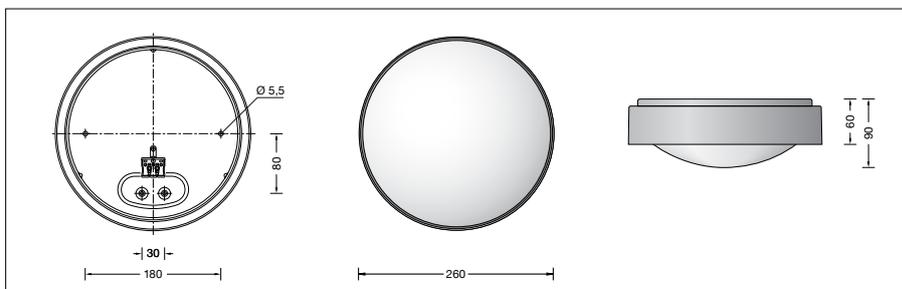
### Inrush current
Inrush current: 1.7 A / 40 µs
Maximum number of luminaires of this type per miniature circuit breaker:

| | |
|---|---|
| B 10 A: | 50 luminaires |
| B 16 A: | 80 luminaires |
| C 10 A: | 50 luminaires |
| C 16 A: | 80 luminaires |

### Lamp

| | |
|---|---|
| Module connected wattage | 11.6 W |
| Luminaire connected wattage | 15.5 W |
| Rated temperature | $t_a = 25\ °C$ |
| Ambient temperature | $t_{a\ max} = 45\ °C$ |

### 51 049.4 K3

| | |
|---|---|
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 1725 lm |
| Luminaire luminous flux | 1183 lm |
| Luminaire luminous efficiency | 76,3 lm/W |





### Service life · Ambient temperature
Rated temperature $t_a = 25\ °C$

| LED psu: | > 50,000 h |
|---|---|
| LED module: | 131,000 h (L 80 B 50) |
| | 50,000 h (L 90 B 50) |

Ambient temperature max. $t_a = 45\ °C$ (100 %)

| LED psu: | 50,000 h |
|---|---|
| LED module: | 41,000 h (L 80 B 50) |
| | 50,000 h (L 70 B 50) |

### Lighting technology
Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

### Article No. 51 049.4
Inside colour options:

| | |
|---|---|
| • White | Code number .1 |
| • Matt aluminium | Code number .2 |
| • Matt brass | Code number .4 |
| • Matt copper | Code number .6 |