

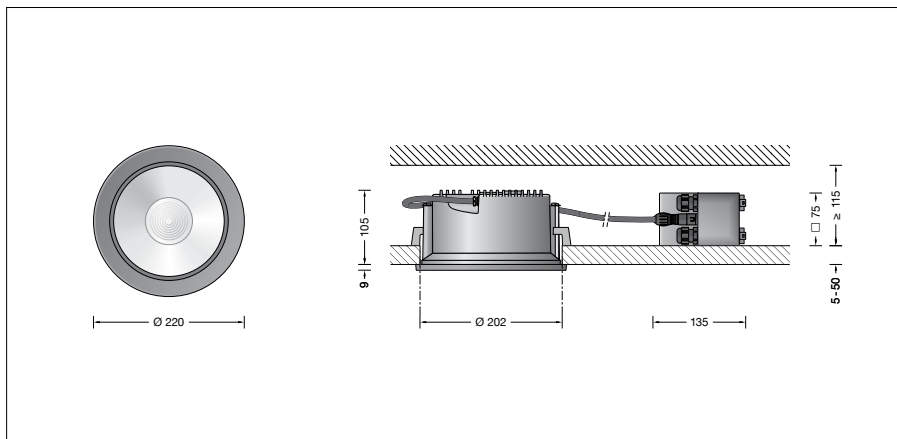
BEGA**24 819**

Recessed ceiling luminaire



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 End ring with safety glass – twist locking
 Clear safety glass
 Silicone gasket
 Optical silicone lens
 Reflector surface made of pure aluminium
 Luminaire housing with 2 fixing claws and guide screws
 Recessed opening \varnothing 202 mm
 Recessed depth required 115 mm
 The external connection housing is made of glass fibre reinforced synthetic material (polyamide)
 220-240 V \sim 0/50-60 Hz
 2 screw cable glands with strain relief for through-wiring power connecting cable \varnothing 4–10 mm, max. 5 x 1.5[□]
 1 screw cable gland closed at the factory with a dummy plug
 Connecting terminals 2.5[□]
 0.5 m connection cable with plug between the luminaire and the power supply unit
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-276 V
 DALI controllable
 A basic isolation exists between power cable and control line
 Safety class II
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK08
 Protection against mechanical impacts < 5 joule
 – Safety mark
 – Conformity mark
 Weight: 1.8 kg

Application

LED recessed ceiling downlight with external DALI controllable power supply unit for installation into concrete ceilings or suspended ceilings both indoors and out.
 With symmetrical narrow beam light distribution.

Lamp

| | |
|--------------------------------------------|-----------------------------------------------|
| Module connected wattage | 17.2 W |
| Luminaire connected wattage | 19.4 W |
| Rated temperature | $t_a = 25\text{ }^\circ\text{C}$ |
| Ambient temperature | $t_{a\text{ max}} = 45\text{ }^\circ\text{C}$ |
| When installed in heat-insulating material | $t_{a\text{ max}} = 35\text{ }^\circ\text{C}$ |

24 819 K3

| | |
|-------------------------------|--------------|
| Module designation | LED-0785/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 3100 lm |
| Luminaire luminous flux | 2483 lm |
| Luminaire luminous efficiency | 128 lm/W |

24 819 K4

| | |
|-------------------------------|--------------|
| Module designation | LED-0785/840 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 3180 lm |
| Luminaire luminous flux | 2547 lm |
| Luminaire luminous efficiency | 131,3 lm/W |

Lighting technology

Half beam angle 18°
 Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website www.bega.com.

Inrush current

Inrush current: 12 A / 24.2 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 50 luminaires
 B 16A: 50 luminaires
 C 10A: 50 luminaires
 C 16A: 50 luminaires

Service life · Ambient temperature

| | |
|---------------------------------------------------------------------------|-------------------------------------|
| Rated temperature $t_a = 25\text{ }^\circ\text{C}$ | LED psu: > 50,000 h |
| LED module: > 200,000 h (L.80 B 50) | LED module: > 100,000 h (L.80 B 50) |
| Ambient temperature $t_{a\text{ max}} = 45\text{ }^\circ\text{C}$ (100 %) | LED psu: 50,000 h |
| LED module: 150,000 h (L.80 B 50) | LED module: 100,000 h (L.80 B 50) |

| | |
|--------------------------------------------------------------------------|----------------------|
| Ambient temperature $t_{a\text{ max}} = 50\text{ }^\circ\text{C}$ (85 %) | LED psu: 50,000 h |
| LED module: 50,000 h | LED module: 50,000 h |

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Article No. 24 819

LED colour temperature optionally 3000 K or 4000 K
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**

Colour optionally graphite or white
 Graphite – Article number
 White – Article number + **W**

Accessories

10 443 Installation housing

A separate instructions for use can be provided upon request.

Light distribution