

BEGA**24 424**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with symmetrical narrow beam light distribution.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Clear safety glass
 Silicone gasket
 Reflector surface made of pure aluminium
 Optical silicone lens · BEGA Hybrid Optics®
 2 mounting holes \varnothing 4.3 mm
 Distance apart 160 mm
 2 cable entries for through-wiring of mains supply cable \varnothing 7-12 mm, max. 5x2,5[□]
 Connection terminal 2.5[□]
 Earth conductor connection
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 DALI controllable
 A basic isolation exists between power cable and control line
 BEGA Thermal Control®
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
 Safety class I
 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: 2.9 kg

Lamp

Module connected wattage 35.7 W
 Luminaire connected wattage 39 W
 Rated temperature $t_a = 25\text{ °C}$
 Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$

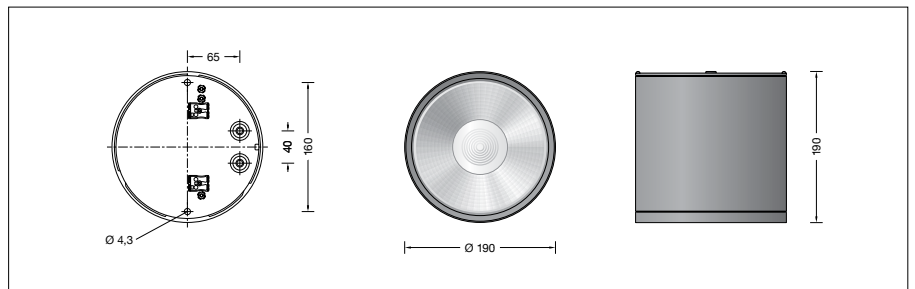
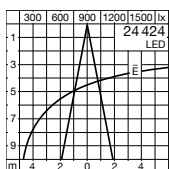
24 424 K3

Module designation LED-0785/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 6010 lm
 Luminaire luminous flux 4635 lm
 Luminaire luminous efficiency 118,8 lm/W

24 424 K4

Module designation LED-0785/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 6165 lm
 Luminaire luminous flux 4755 lm
 Luminaire luminous efficiency 121,9 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
 LED psu: > 50,000 h
 LED module: 180,000 h (L80 B50)

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (100 %)
 LED psu: 50,000 h
 LED module: 120,000 h (L80 B50)

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: 5 A / 100 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 35 luminaires
 B 16A: 56 luminaires
 C 10A: 35 luminaires
 C 16A: 56 luminaires

Article No. 24 424

LED colour temperature optionally 3000K or 4000K
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**
 Colour optionally graphite or white
 Graphite – Article number
 White – Article number + **W**