

BEGA**24 428**

Ceiling mounted downlight

IP 65

Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with asymmetrical light distribution.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
Matt safety glass
Silicone gasket
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Constant Optics®
2 mounting holes ø 4,3 mm
Distance apart 160 mm
2 cable entries for through-wiring of mains
supply cable ø 7-12 mm,
max. 5x2,5[□]
Connection terminal 2.5[□]
Earth conductor connection
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
During DC operation the LED power
is reduced to 50 %
DALI controllable
A basic isolation exists between power cable
and control line
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK09
Protection against mechanical
impacts < 10 joule
CE – Conformity mark
Weight: 2.9 kg

Inrush current

Inrush current: 5 A / 100 µs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 27 luminaires
B 16A: 44 luminaires
C 10A: 27 luminaires
C 16A: 44 luminaires

Lamp

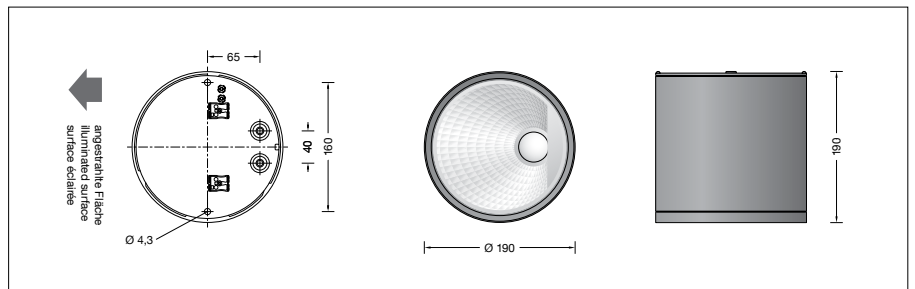
Module connected wattage 25 W
Luminaire connected wattage 27.5 W
Rated temperature $t_a = 25\text{ °C}$
Ambient temperature $t_{a\text{ max}} = 40\text{ °C}$

24 428 K3

Module designation LED-0785/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 4365 lm
Luminaire luminous flux 3029 lm
Luminaire luminous efficiency 110,1 lm/W

24 428 K4

Module designation LED-0785/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 4480 lm
Luminaire luminous flux 3109 lm
Luminaire luminous efficiency 113,1 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25\text{ °C}$
LED psu: > 50,000h
LED module: > 200,000h (L.80B50)

Ambient temperature $t_{a\text{ max}} = 40\text{ °C}$ (100 %)
LED psu: 50,000h
LED module: 170,000h (L.80B50)

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (70 %)
LED psu: 50,000h
LED module: 50,000h

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

Lighting technology

Half beam angle 67/65°
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.

Article No. 24 428

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**

Light distribution