

BEGA**24 418**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with symmetrical wide beam light distribution.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Clear safety glass
Optical silicone lens · BEGA Hybrid Optics®
Reflector surface made of pure aluminium
Optical silicone lens
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
CE – Conformity mark
Weight: 2.9 kg

Lamp

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

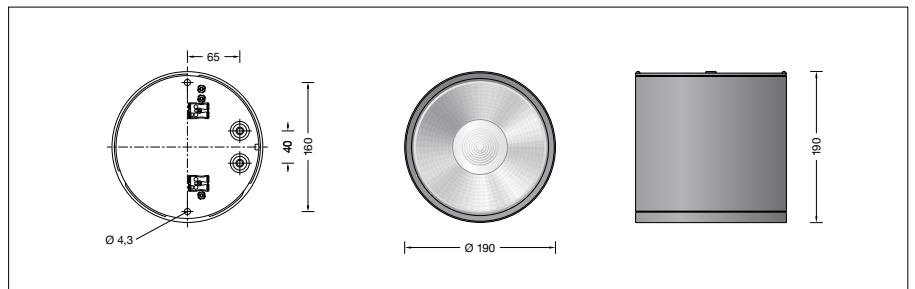
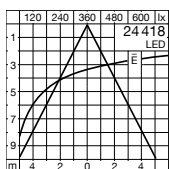
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Module designation LED-0785/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 6010 lm
Luminaire luminous flux 4523 lm
Luminaire luminous efficiency 116 lm/W

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Module designation LED-0785/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 6165 lm
Luminaire luminous flux 4640 lm
Luminaire luminous efficiency 119 lm/W

Light distribution



Service life · Ambient temperature

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

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

Lighting technology

Half beam angle 59°
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 μs
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

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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**