

BEGA**24 056**

Compact downlight



Project · Reference number



Date

Product data sheet

Application

Compact LED downlight with asymmetrical broad spread light distribution.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 Safety glass with optical structure
 Silicone gasket
 Reflector surface made of pure aluminium
 2 mounting holes \varnothing 4.8 mm
 Distance apart 70 mm
 1 cable entry for mains supply cable up to \varnothing 10,5 mm max. $3 \times 1,5^{\square}$
 Connection terminal 2.5^{\square}
 Earth conductor connection
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK06
 Protection against mechanical impacts < 1 joule
 – Safety mark
 – Conformity mark
 Weight: 0.9 kg

Inrush current

Inrush current: 7 A / 112 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 38 luminaires
 B16A: 61 luminaires
 C10A: 64 luminaires
 C16A: 102 luminaires

Lamp

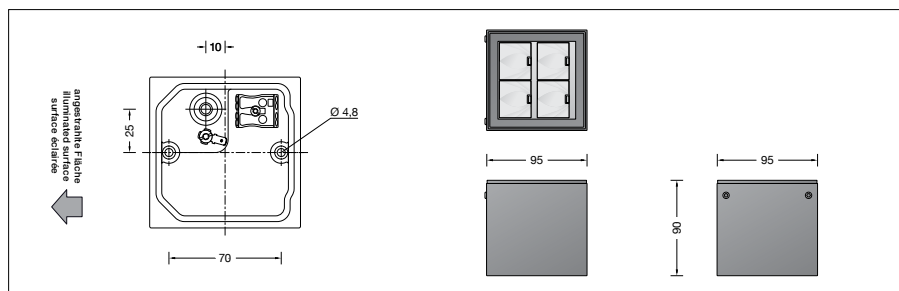
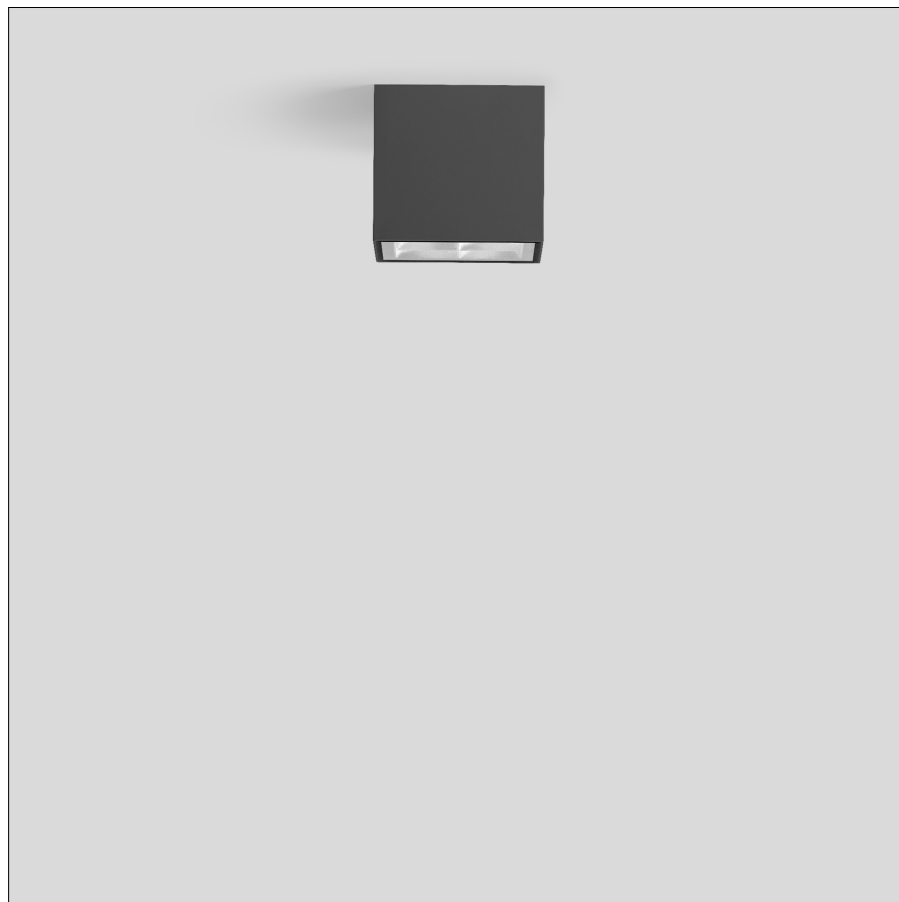
Module connected wattage 3 W
 Luminaire connected wattage 4.1 W
 Rated temperature $t_a = 25^{\circ}\text{C}$
 Ambient temperature $t_{a\text{max}} = 50^{\circ}\text{C}$

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Module designation LED-0591/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 560 lm
 Luminaire luminous flux 338 lm
 Luminaire luminous efficiency 82,4 lm/W

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Module designation LED-0591/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 580 lm
 Luminaire luminous flux 350 lm
 Luminaire luminous efficiency 85,4 lm/W



Service life · Ambient temperature

Ambient temperature $t_a = 25^{\circ}\text{C}$
 LED psu: > 50,000 h
 LED module: > 200,000 h (L80 B50)
 100,000 h (L90 B50)

Ambient temperature $t_a = 50^{\circ}\text{C}$
 LED psu: 50,000 h
 LED module: 167,000 h (L80 B50)
 100,000 h (L80 B50)

Lighting technology

Half beam angle $42/48^{\circ}$
 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.

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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**

Light distribution

