

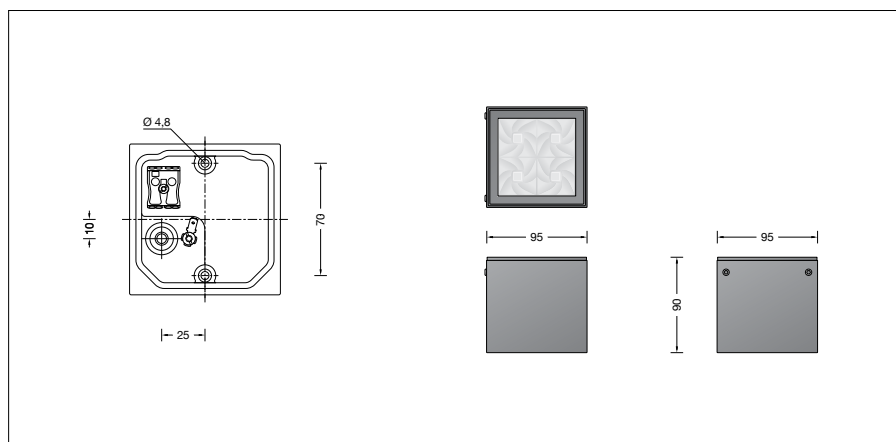
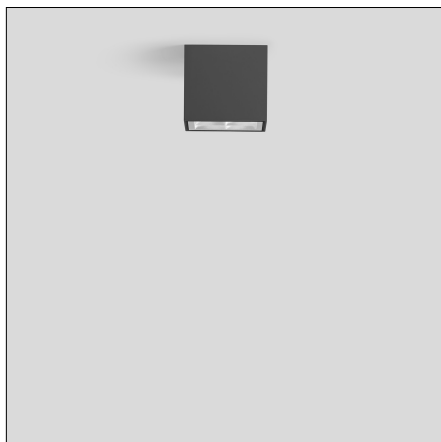
BEGA**66 157**

Compact downlight



Project · Reference number

Date



Product data sheet

Application

Compact downlight with symmetrical wide beam light distribution.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Colour graphite or white
 Safety glass with optical structure
 Silicone gasket
 BEGA Vortex Optics®.
 Reflector surface made of pure aluminium
 2 mounting holes Ø 4.8 mm
 Distance apart 70 mm
 1 cable entry for mains supply cable up to Ø 10,5 mm
 Connection terminal 2.5²
 Earth conductor connection
 BEGA Ultimate Driver®
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 176-264 V
 BEGA Thermal Switch®
 Temporary thermal shutdown to protect temperature-sensitive components
 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: 0.85 kg
 This product contains light sources of energy efficiency class(es) C

Lamp

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

66 157 K3

Module designation LED-0591/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 560 lm
 Luminaire luminous flux 424 lm
 Luminaire luminous efficiency 103,4 lm/W

66 157 K4

Module designation LED-0591/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 580 lm
 Luminaire luminous flux 440 lm
 Luminaire luminous efficiency 107,3 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
 LED psu: > 50,000 h
 LED module: > 200,000 h (L 80 B 50)
 100,000 h (L 90 B 50)

Ambient temperature max. $t_a = 50\text{ °C}$ (100 %)

LED psu: 50,000 h
 LED module: 167,000 h (L 80 B 50)

Lighting technology

Half beam angle 40°
 Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on our website at www.bega.com.

Inrush current

Inrush current: 7.8 A / 112 µs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 38 luminaires
 B 16A: 61 luminaires
 C 10A: 64 luminaires
 C 16A: 102 luminaires

Ratio of luminous flux

Luminous flux upper half-space 0 %
 Luminous flux lower half-space 100 %

BUG rating according to IES TM-15-07:
 1–0–0

CEN Flux Code according to EN 13032-2:
 95–99–100–100–100

BEGA Vortex Optics®

BEGA Vortex Optics® features newly developed twisted reflectors with a surface made of pure aluminium.
 The more intense concentration of the light enables perfect light deflection.
 This makes it possible to achieve optimal light distribution without artefacts.
 Thanks to excellent glare control, BEGA Vortex Optics® offers outstanding visual comfort.
 The interaction with the LED modules produces extraordinary lighting results.

Article No. 66 157

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