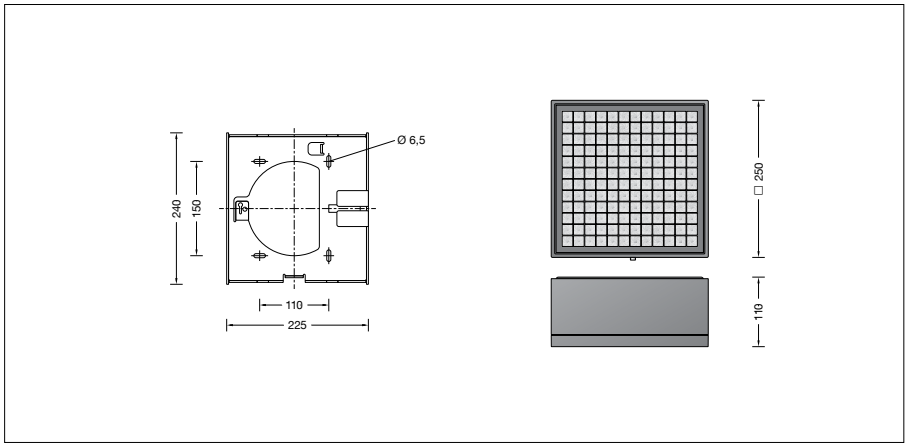
BEGA 24 066

Compact downlight

IP 65

Project · Reference number

Date



Product data sheet

Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or white
Safety glass with optical structure
Reflector surface made of pure aluminium
BEGA Vortex Optics® .
Mounting plate with 4 elongated holes, width 6.5 mm, distance 150 x 110 mm
Connection box with 2 cable entries for through-wiring of the mains supply cable ø 5-13 mm, max. 5×2,5□
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-280 V
During DC operation the LED power is reduced to 15 %
DALI-controllable
Number of DALI addresses: 1
Basic insulation is provided between the mains and control cables
BEGA Thermal Control®
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
Safety class I
Ballproof according to DIN VDE 0710 part 13
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK09
Protection against mechanical impacts < 10 joule
– Safety mark
CE – Conformity mark
Weight: 5.3 kg
This product contains light sources of energy efficiency class(es) E

Application
Compact downlight with symmetrical narrow beam light distribution.

Lamp

Module connected wattage	62.2 W
Luminaire connected wattage	69 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 40 °C

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Module designation	LED-1002/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	10760 lm
Luminaire luminous flux	5554 lm
Luminaire luminous efficiency	80,5 lm/W

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Module designation	LED-1002/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	10910 lm
Luminaire luminous flux	5626 lm
Luminaire luminous efficiency	81,5 lm/W

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B 50)

Ambient temperature max. t_a = 40 °C (100 %)
LED psu: 50,000 h
LED module: 170,000 h (L 80 B 50)

Ambient temperature max. t_a = 50 °C (56 %)
LED psu: > 50,000 h
LED module: > 50,000 h (L 70 B 50)

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

Inrush current
Inrush current: 50 A / 209 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 6 luminaires
B 16 A: 10 luminaires
C 10 A: 10 luminaires
C 16 A: 16 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: 4–0–0
CEN Flux Code according to EN 13032-2: 100–100–100–100–100

Lighting technology
Symmetrical narrow beam light distribution
Half beam angle 20°
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

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. 24 066
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