

BEGA**24 066**

Compact downlight

IP 65

Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with symmetrical narrow beam light distribution.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
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 from
 \varnothing 5-13 mm, max. $5 \times 2,5^2$
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-280 V
During DC operation the LED power
is reduced to 15 %
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
⊕ 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
CE – Conformity mark
Weight: 5.3 kg

Lamp

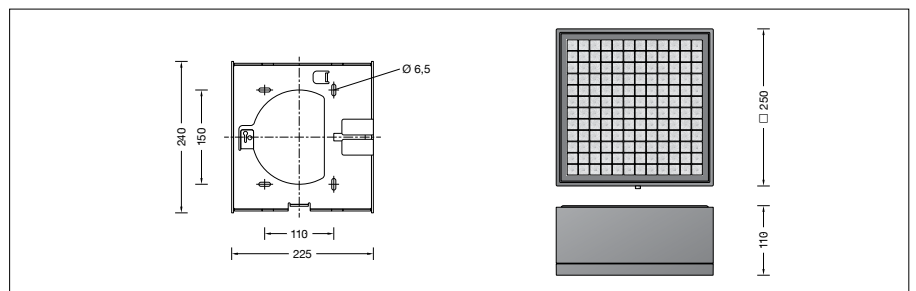
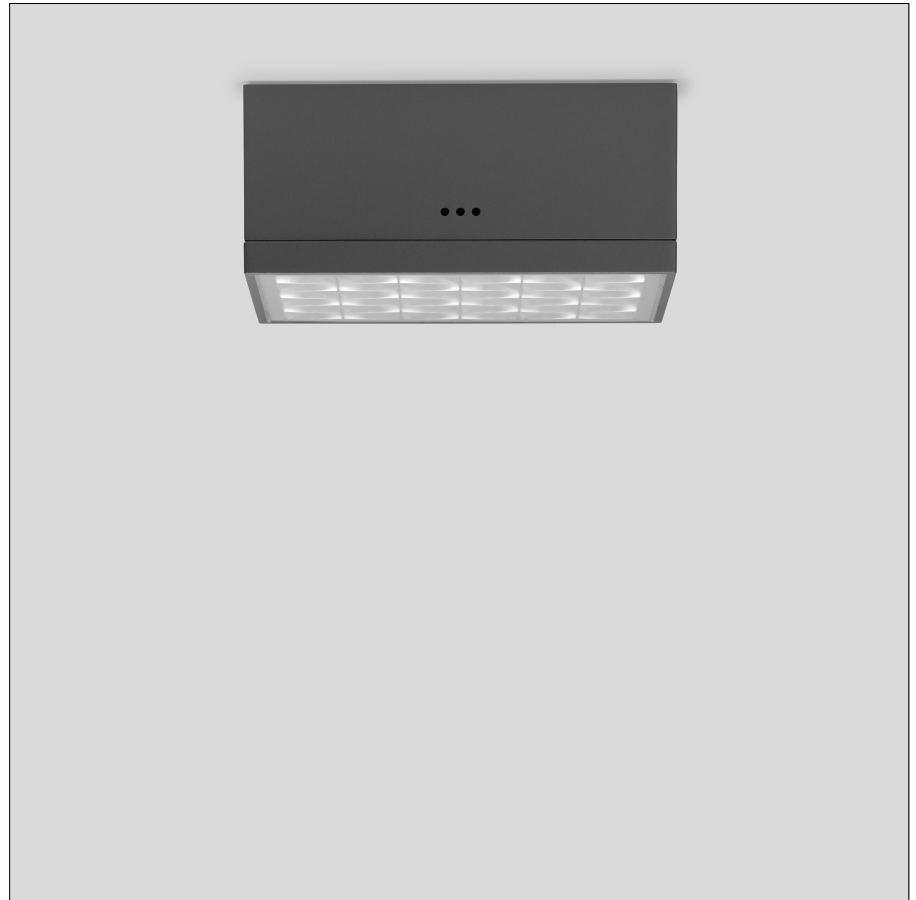
Module connected wattage	63.6 W
Luminaire connected wattage	70 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^\circ\text{C}$

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Module designation	LED-1002/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8710 lm
Luminaire luminous flux	4825 lm
Luminaire luminous efficiency	68,9 lm/W

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Module designation	LED-1002/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	8710 lm
Luminaire luminous flux	4825 lm
Luminaire luminous efficiency	68,9 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000h
LED module:	122,000h (L80B50)
Ambient temperature $t_{a\text{max}} = 40^\circ\text{C}$ (100 %)	
LED psu:	50,000h
LED module:	51,000h (L80B50) 77,000h (L70B50)

Ambient temperature $t_{a\text{max}} = 50^\circ\text{C}$ (56 %)	
LED psu:	50,000h
LED module:	> 50,000h (L70B50)

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 10A:	6 luminaires
B 16A:	10 luminaires
C 10A:	10 luminaires
C 16A:	16 luminaires

Lighting technology

Symmetrical narrow beam light distribution.
Half beam angle 18°
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.

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