

BEGA**24 399**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Compact downlight with symmetrical narrow beam light distribution.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Matt safety glass
Silicone gasket
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Hybrid Optics®
2 mounting holes \varnothing 4.3 mm
Distance apart 76 mm
1 cable entry for mains supply cable
up to \varnothing 10,5 mm
Connection terminal 2.5[□]
Earth conductor connection
BEGA Ultimate Driver®
LED power supply unit
220-240 V \sim 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 IK07
Protection against mechanical
impacts < 2 joule
 – Safety mark
 – Conformity mark
Weight: 0.75 kg

Inrush current

Inrush current: 11.3 A / 112 μ s
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 34 luminaires
B 16A: 55 luminaires
C 10A: 57 luminaires
C 16A: 92 luminaires

Lamp

Module connected wattage 8 W
Luminaire connected wattage 9.2 W
Rated temperature $t_a = 25^\circ\text{C}$
Ambient temperature $t_{a\text{max}} = 45^\circ\text{C}$

On request we can offer you modifications for
environments with higher temperatures as a
customized product.

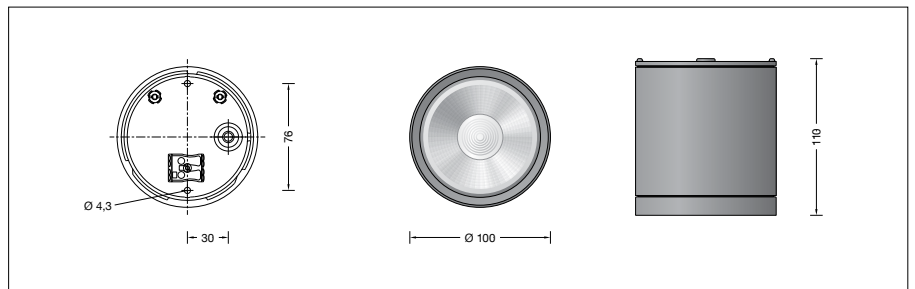
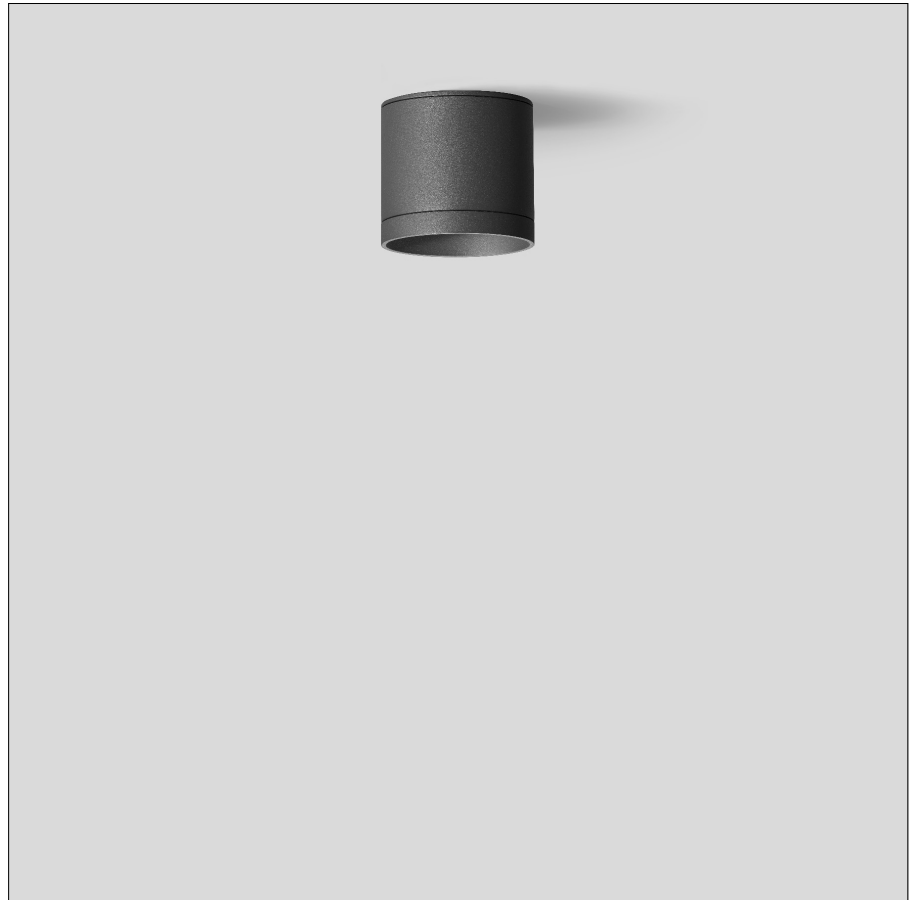
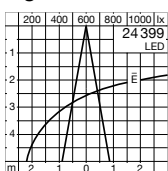
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Module designation	LED-1030/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1165 lm
Luminaire luminous flux	917 lm
Luminaire luminous efficiency	99,7 lm/W

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Module designation	LED-1030/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1240 lm
Luminaire luminous flux	976 lm
Luminaire luminous efficiency	106,1 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B 50)
100,000 h (L 90 B 50)
Ambient temperature $t_{a\text{max}} = 45^\circ\text{C}$ (100 %)
LED psu: 50,000 h
LED module: 200,000 h (L 80 B 50)

Lighting technology

Half beam angle 17°
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.

BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete
lighting control thanks to optimum refraction
and reflection. Precisely calculated reflectors
with a surface made of pure aluminium and
lenses made of ultra-clear silicone or glass
capture nearly every beam of light from the
LED modules. The interplay between lens
and reflector technologies achieves maximum
application efficiency.

Article No. 24 399

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**