

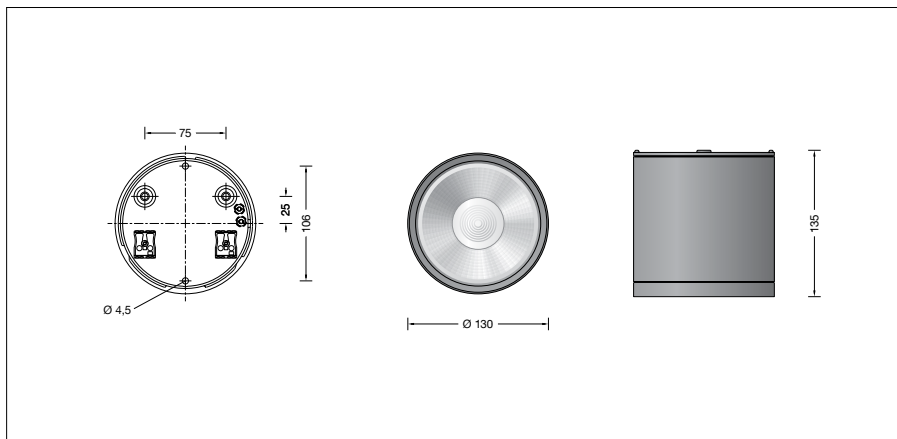
BEGA**24 406**

Ceiling mounted downlight



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
Clear 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 106 mm
2 cable entries for through-wiring of mains
supply cable $\varnothing$ 7-10.5 mm, max. 5 G 1.5[□]
Connection terminal 2.5[□]
Earth conductor connection
BEGA Ultimate Driver®
Complies with flicker requirements in
accordance with IEEE 1789,
DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V $\sim$ 0/50-60 Hz
DC 176-276 V
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
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK08
Protection against mechanical
impacts < 5 joule
 – Safety mark
 – Conformity mark
Weight: 1.4 kg
This product contains light sources of energy
efficiency class(es) D

Application

Compact downlight with symmetrical wide
beam light distribution.

Light source

Module connected load	16.8 W
Luminaire connected load	19.3 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 50^\circ\text{C}$

24 406 K3

Module designation	LED-0800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2850 lm
Luminaire luminous flux	2220 lm
Luminaire luminous efficiency	115 lm/W

24 406 K4

Module designation	LED-0800/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2920 lm
Luminaire luminous flux	2275 lm
Luminaire luminous efficiency	117,9 lm/W

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)

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

LED psu:	50,000 h
LED module:	135,000 h (L 80 B 50)

Lighting technology

Half beam angle 39°
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: 1.2 A / 46 μs
Maximum number of luminaires of this
type per miniature circuit breaker:

B 10A:	50 luminaires
B 16A:	80 luminaires
C 10A:	50 luminaires
C 16A:	80 luminaires

Ratio of luminous flux

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

BUG rating according to IES TM-15-20:

2-0-0

CEN Flux Code according to EN 13032-2:

96-100-100-100-100

BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting
control thanks to optimized refraction and
reflection. Precisely calculated reflectors with
a pure aluminium surface and lenses, for
example made of ultra-clear silicone or glass,
capture almost every single light beam emitted
by the LED modules. Maximum light efficiency
is achieved via the synergy between lens and
reflector technology.

Article No. 24 406

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**

Accessories

13674 Mounting frame for surface-mounted
electrical installations
The mounting frame is used for cable
entry routing in surface-mounted
electrical installations

A separate installation instructions can be
provided upon request.

Light distribution

