

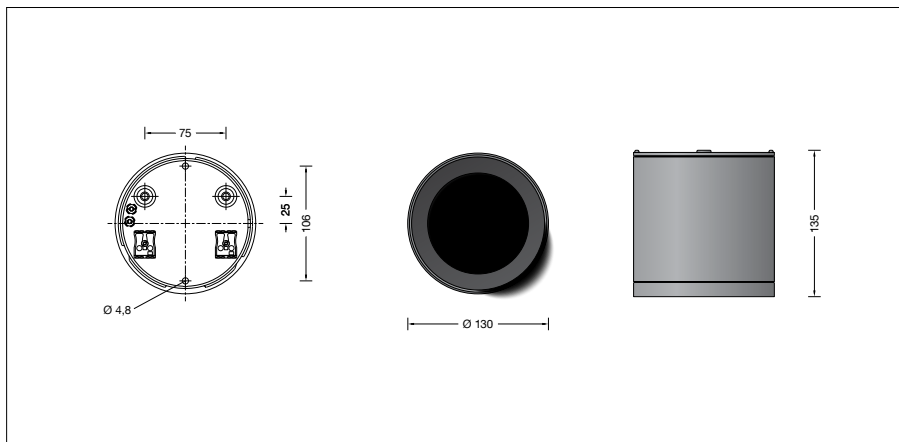
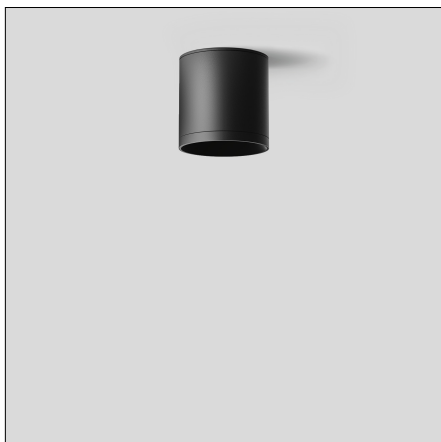
BEGA**24 876**

Compact downlight with minimal diffuse light percentage



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
 Internal louvres and polymer lens
 BEGA Ultradark Optics®
 Louvres and interior surface of anti-glare ring with maximum light-absorbing ultra-black nano-coating
 2 mounting holes \varnothing 4.8 mm
 Distance apart 106 mm
 2 cable entries for through-wiring of mains supply cable \varnothing 7-10.5 mm, max. 5 G 1.5²
 Connection terminal 2.5²
 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 ~ 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 IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
 Weight: 1.4 kg
 This product contains light sources of energy efficiency class(es) D

Application

Compact downlight with symmetrically focused broad spread light distribution.

BEGA Ultradark Optics® offer a maximum of illumination and eye comfort due to a minimised diffuse light percentage and highly efficient glare suppression.

Lamp

Module connected wattage	14 W
Luminaire connected wattage	17 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a, \max} = 50^\circ\text{C}$

24 876 K3

Module designation	LED-1254/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2230 lm
Luminaire luminous flux	1263 lm
Luminaire luminous efficiency	74,3 lm/W

24 876 K4

Module designation	LED-1254/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2300 lm
Luminaire luminous flux	1302 lm
Luminaire luminous efficiency	76,6 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) 100,000 h (L 90 B 50)

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

LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)

Lighting technology

Half beam angle 58°
 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

BEGA Ultradark Optics®

BEGA Ultradark Optics® offer a maximum of illumination and eye comfort due to a minimised diffuse light percentage and highly efficient glare suppression. The precise synergy of highly efficient components in the optical system and luminaire body ensures impressive illumination results: bespoke, ultra-thick optical lenses enable exceptional glare suppression of the LED light. Inside louvres as well as a luminaire body with an ultra-black nano coating with maximum light absorption further enhance the effect. Any other possible stray light is additionally absorbed by the high structure of the luminaire body and its nano coating.

Article No. 24 876

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