

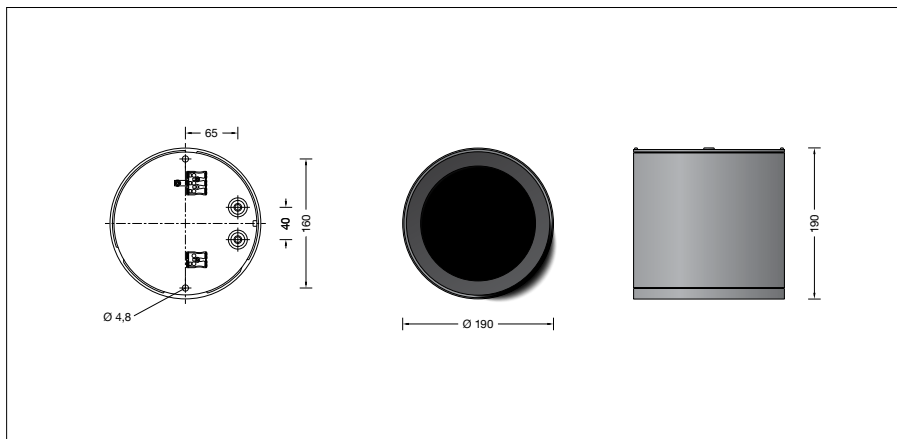
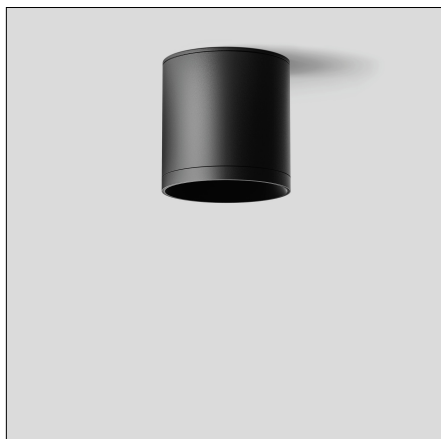
BEGA**24 752**

Compact downlight with minimal diffuse light percentage



Project · Reference number

Date



Product data sheet

Application

Compact downlight with symmetrically focused wide beam light distribution and minimal diffuse light percentage.

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 160 mm
 2 cable entries for through-wiring of mains supply cable \varnothing 7-12 mm, max. 5x2,5[□]
 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
 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
 – Safety mark
 – Conformity mark
 Weight: 2.8 kg
 This product contains light sources of energy efficiency class(es) D

Lamp

Module connected wattage 40.3 W
 Luminaire connected wattage 44 W
 Rated temperature $t_a = 25^\circ\text{C}$
 Ambient temperature $t_{a\text{ max}} = 35^\circ\text{C}$

24 752 K3

Module designation LED-1263/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 6010 lm
 Luminaire luminous flux 4185 lm
 Luminaire luminous efficiency 95,1 lm/W

24 752 K4

Module designation LED-1263/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 6190 lm
 Luminaire luminous flux 4310 lm
 Luminaire luminous efficiency 98 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. $t_a = 35^\circ\text{C}$ (100 %)

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

Ambient temperature max. $t_a = 50^\circ\text{C}$ (77 %)

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.

Lighting technology

Half beam angle 25°
 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: 5 A / 100 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 28 luminaires
 B 16A: 45 luminaires
 C 10A: 28 luminaires
 C 16A: 48 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:

3–0–0

CEN Flux Code according to EN 13032-2:

100–100–100–100–100

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. 24 752

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