

BEGA**24 431**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with flat 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
2 mounting holes \varnothing 4.3 mm
Distance apart 123 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
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-276 V
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
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: 1.7 kg

Lamp

Module connected wattage 11.5 W
Luminaire connected wattage 13.2 W
Rated temperature $t_a = 25\text{ }^\circ\text{C}$
Ambient temperature $t_{a\text{ max}} = 55\text{ }^\circ\text{C}$

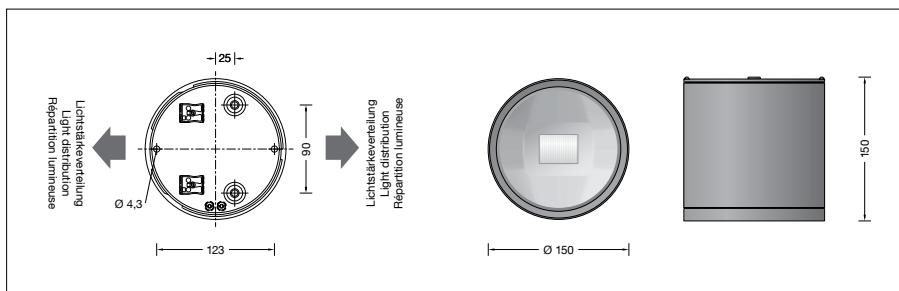
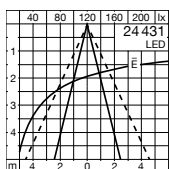
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Module designation LED-0800/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 2025 lm
Luminaire luminous flux 1332 lm
Luminaire luminous efficiency 100,9 lm/W

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Module designation LED-0800/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 2080 lm
Luminaire luminous flux 1368 lm
Luminaire luminous efficiency 103,6 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ }^\circ\text{C}$
LED psu: > 50,000 h
LED module: > 200,000 h (L80 B50)

Ambient temperature $t_{a\text{ max}} = 55\text{ }^\circ\text{C}$ (100 %)
LED psu: 50,000 h
LED module: 130,000 h (L80 B50)

Lighting technology

Half beam angle 105/58°
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.

Inrush current

Inrush current: 12 A / 24.2 μs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 50 luminaires
B 16A: 50 luminaires
C 10A: 50 luminaires
C 16A: 50 luminaires

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LED colour temperature optionally 3000K
or 4000K
3000 K – Article number + **K3**
4000 K – Article number + **K4**
Colour optionally graphite or white
Graphite – Article number
White – Article number + **W**