

BEGA**24 416**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with symmetrical wide beam light distribution.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
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 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 IK08
Protection against mechanical
impacts < 5 joule
 – Safety mark
CE – Conformity mark
Weight: 1.7 kg

Lamp

Module connected wattage 24.1 W
Luminaire connected wattage 27 W
Rated temperature $t_a = 25$ °C
Ambient temperature $t_{a \max} = 35$ °C

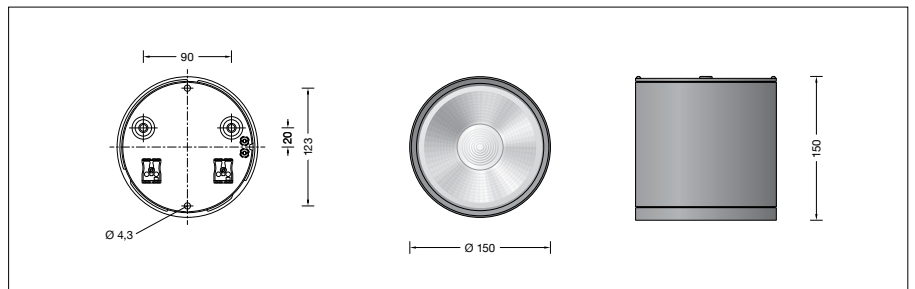
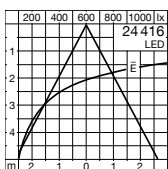
24 416 K3

Module designation LED-0800/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 3910 lm
Luminaire luminous flux 2835 lm
Luminaire luminous efficiency 105 lm/W

24 416 K4

Module designation LED-0800/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 4010 lm
Luminaire luminous flux 2908 lm
Luminaire luminous efficiency 107,7 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25$ °C
LED psu: > 50,000 h
LED module: 110,000 h (L 80 B 50)

Ambient temperature $t_{a \max} = 35$ °C (100 %)
LED psu: 50,000 h
LED module: 90,000 h (L 80 B 50)
100,000 h (L 70 B 50)

Lighting technology

Half beam angle 62°
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 μ s
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

Article No. 24 416

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**