

**BEGA****24 422**

Ceiling mounted downlight



Project · Reference number

Date

## Product data sheet

### Application

Compact LED downlight with symmetrical narrow 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<sup>□</sup>  
Connection terminal 2.5<sup>□</sup>  
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  
 – 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

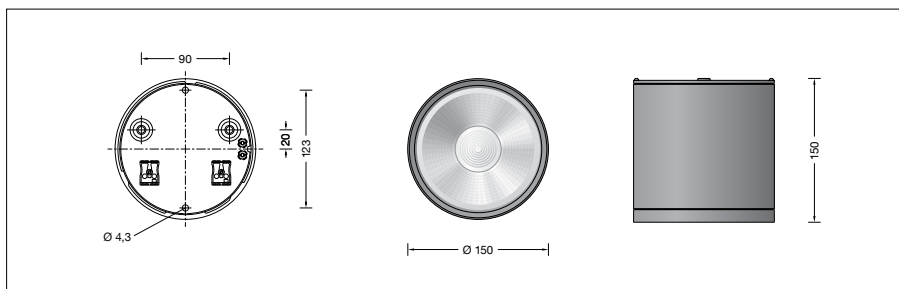
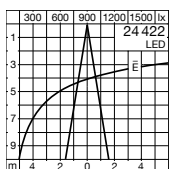
### 24 422 K3

Module designation LED-0800/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 3910 lm  
Luminaire luminous flux 2860 lm  
Luminaire luminous efficiency 105,9 lm/W

### 24 422 K4

Module designation LED-0800/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 4010 lm  
Luminaire luminous flux 2933 lm  
Luminaire luminous efficiency 108,6 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 14°  
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](http://www.bega.com).

### Inrush current

Inrush current: 12 A / 24.2  $\mu$ 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. 24 422

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**