

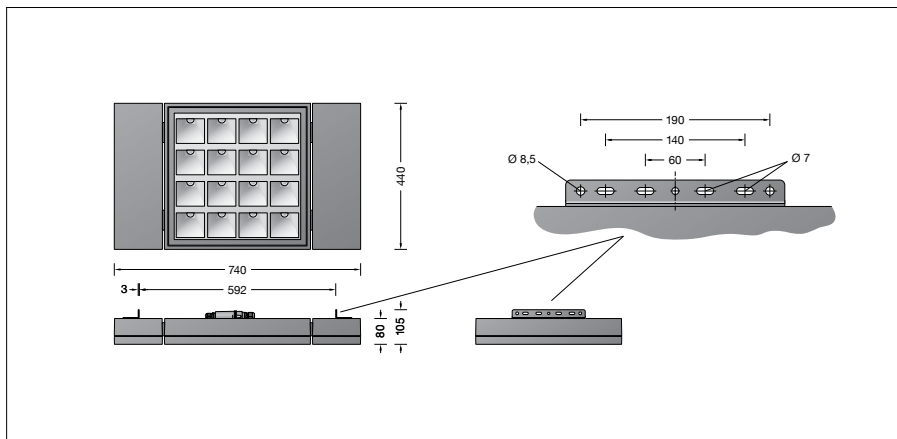
BEGA**24 142**

Ceiling mounted downlight

IP 65

Project · Reference number

Date



Product data sheet

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
 2 mounting rails made of stainless steel for mounting on existing on-site structures or
 Mounting with mounting frame 13576 under ceilings and cantilever plates or from high ceilings with steel cable set 13582 (see accessories)
 Connection box with 2 cable entries for through-wiring of the mains supply cable from \varnothing 5-13 mm, max. $5 \times 2,5^{\square}$
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 During DC operation the LED power is reduced to 50 %
 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
 ⚡ Ballproof according to DIN VDE 0710 part 13
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK08
 Protection against mechanical impacts < 5 joule
 CE – Conformity mark
 Weight: 17.5 kg

Application

LED hall downlights with asymmetrical wide beam light distribution for the illumination of large and tall rooms such as departure halls, factories, sports halls and auditoriums.

Lamp

Module connected wattage	269 W
Luminaire connected wattage	298 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^{\circ}\text{C}$

On request we can offer you modifications for environments with higher temperatures as a customized product.

24 142 K3

Module designation	LED-0967/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	45600 lm
Luminaire luminous flux	27704 lm
Luminaire luminous efficiency	93 lm/W

24 142 K4

Module designation	LED-0967/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	46720 lm
Luminaire luminous flux	28384 lm
Luminaire luminous efficiency	95,2 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000 h
LED module:	120,000 h (L 80 B 50)

Ambient temperature $t_{a\text{max}} = 40^{\circ}\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	90,000 h (L 80 B 50) 100,000 h (L 70 B 50)

Inrush current

Inrush current: 8 A / 100 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 3 luminaires
 B 16A: 5 luminaires
 C 10A: 3 luminaires
 C 16A: 5 luminaires

Light technique

Asymmetrical wide beam light distribution
 Half beam angle 62/57°
 Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Article No. 24 142

LED colour temperature optionally 3000K or 4000K
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**

Accessories

13576 Mounting frame
13582 Steel cable set

A separate instructions for use can be provided upon request.

Light distribution

