

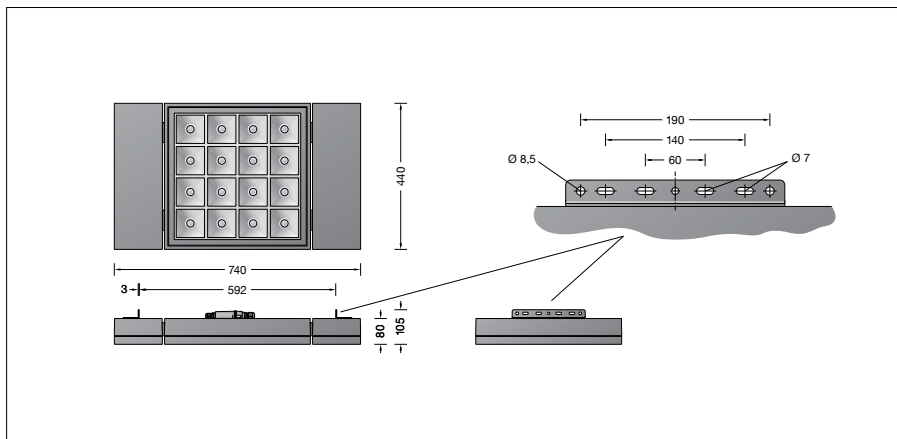
**BEGA****24 140**

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 symmetrical narrow 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.

### 24 140 K3

Module designation	4x LED-0967/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	45600 lm
Luminaire luminous flux	35776 lm
Luminaire luminous efficiency	120,1 lm/W

### 24 140 K4

Module designation	4x LED-0967/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	46720 lm
Luminaire luminous flux	36655 lm
Luminaire luminous efficiency	123 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  $\mu\text{s}$   
 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

### Lighting technology

Symmetrical narrow beam light distribution.  
 Half beam angle  $29^{\circ}$   
 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](http://www.bega.com).

### Article No. 24 140

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

