

**BEGA****24 731**

Large-area luminaire



Project · Reference number

Date

## Product data sheet

### Application

LED ceiling and wall luminaire with impact-resistant cover made of synthetic material. Large-area luminaire with a very high light output and uniform light distribution.

### Product description

Luminaire made of aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Colour white  
 White synthetic diffuser  
 Silicone gasket  
 Mounting plate with 4 fixing holes  $\varnothing$  9.5 mm  
 Pitch circle  $\varnothing$  1,100 mm  
 2 cable entries for through-wiring of mains supply cable  $\varnothing$  7-10.5 mm, max. 5G1.5<sup>□</sup>  
 Connecting terminal 2.5<sup>□</sup> with plug connection  
 Earth conductor connection  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-280 V  
 DC Start  $\geq$  190 V  
 DALI controllable  
 A basic isolation exists between power cable and control line  
 BEGA Thermal Switch®  
 Temporary thermal shutdown to protect temperature-sensitive components  
 Safety class I  
 Protection class IP 65  
 Dust-tight and protection against water jets  
 Impact strength IK10  
 Protection against mechanical impacts < 20 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 34.4 kg

### Lamp

Module connected wattage	121.6 W
Luminaire connected wattage	138.2 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 35$ °C

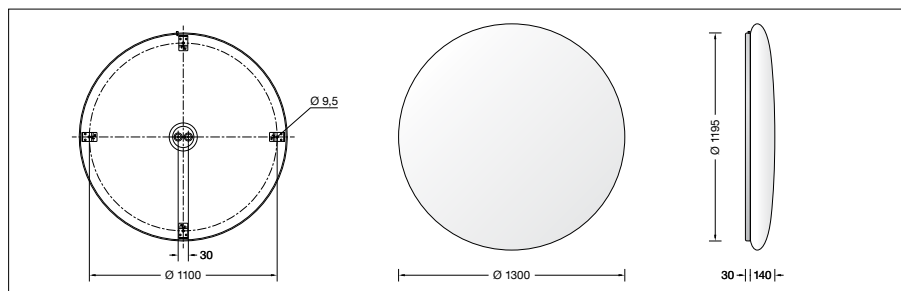
On request we can offer you modifications for environments with higher temperatures as a customized product.

### 24 731 K3

Module designation	8x LED-0690/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	20320 lm
Luminaire luminous flux	17294 lm
Luminaire luminous efficiency	125,1 lm/W

### 24 731 K4

Module designation	8x LED-0690/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	21520 lm
Luminaire luminous flux	18314 lm
Luminaire luminous efficiency	132,5 lm/W



### Service life · Ambient temperature

Rated temperature  $t_a = 25$  °C  
 LED psu: > 50,000 h  
 LED module: > 200,000 h (L 80 B 50)  
 100,000 h (L 90 B 50)

Ambient temperature  $t_{a \max} = 35$  °C (100 %)  
 LED psu: 50,000 h  
 LED module: > 200,000 h (L 80 B 50)  
 100,000 h (L 90 B 50)

### Light technique

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 you will find on the BEGA web page [www.bega.com](http://www.bega.com).

### Inrush current

Inrush current: 59 A / 165  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10 A: 5 luminaires  
 B 16 A: 9 luminaires  
 C 10 A: 9 luminaires  
 C 16 A: 16 luminaires

### Article No. 24 731

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

### Light distribution

