

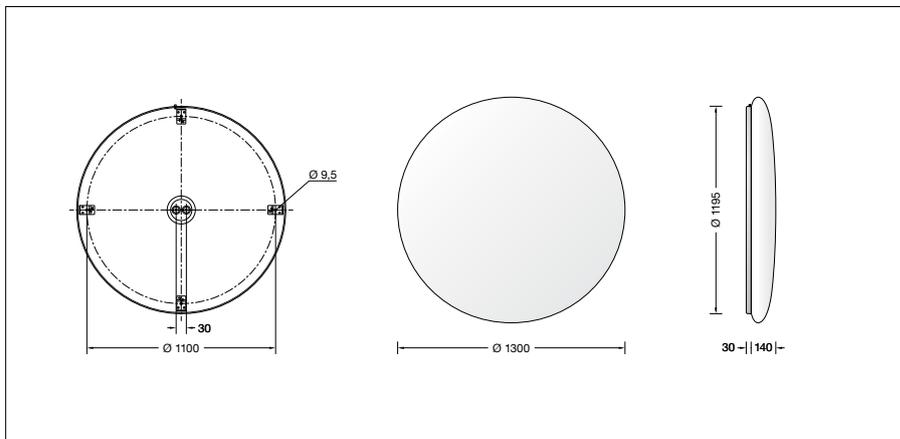
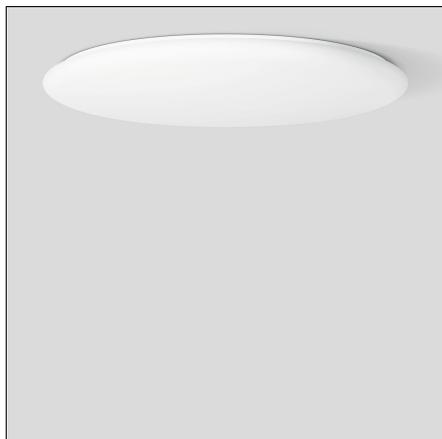
**BEGA****24 731**

Large-area luminaire



Project · Reference number

Date



## Product data sheet

### 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. 5 G 1.5<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  
 During DC operation the LED power is reduced to 15 %  
 DALI-controllable  
 Basic insulation is provided between the mains and control cables  
 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 IK10  
 Protection against mechanical impacts < 20 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 23.6 kg  
 This product contains light sources of energy efficiency class(es) D

### Application

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.

### Lamp

Module connected wattage	121.6 W
Luminaire connected wattage	134 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a,max} = 40$ °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	129,1 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	136,7 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 max.  $t_a = 40$  °C (100 %)

LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50)
	100,000 h (L 90 B 50)

### Lighting technology

Luminaire data for the DIALux lighting design program 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).

### Ratio of luminous flux

Luminous flux upper half-space	6,4 %
Luminous flux lower half-space	93,6 %

BUG rating according to IES TM-15-07:

3-4-3

CEN Flux Code according to EN 13032-2:

45-76-94-94-100-34-60-79-6

### Inrush current

Inrush current: 87.5 A / 209  $\mu$ s

Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A: 3 luminaires

B 16 A: 5 luminaires

C 10 A: 5 luminaires

C 16 A: 8 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

