

BEGA**24 231**

Large-area luminaire



Project · Reference number

Date

Product data sheet

Application

Large-area luminaire as ceiling and wall luminaire with high light power and high uniform light distribution.

Product description

Luminaire made of aluminium, aluminium alloy and stainless steel
 Synthetic diffuser with white light-diffusing matt finish
 Silicone gasket
 4 elongated fixing holes
 Width 9,2 mm · 700 x 700 mm spacing
 2 cable entries for through-wiring of mains supply cable \varnothing 7-10,5 mm, max. 5G 1.5[□]
 Connection terminal 2.5[□]
 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
 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: 17.7 kg

Lamp

Module connected wattage	117.6 W
Luminaire connected wattage	133 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a,max} = 35$ °C

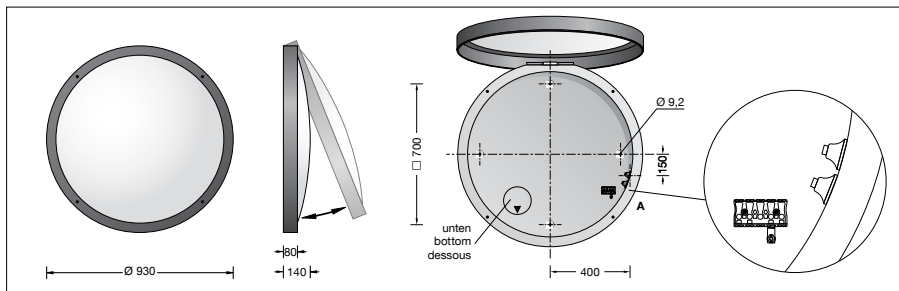
On request we can offer you modifications for environments with higher temperatures as a customized product.

24 231 K3

Module designation	4 x LED-0566/830 + 6 x LED-0567/830 + 2 x LED-0568/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	17250 lm
Luminaire luminous flux	13100 lm
Luminaire luminous efficiency	98,5 lm/W

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Module designation	4 x LED-0566/840 + 6 x LED-0567/840 + 2 x LED-0568/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	17250 lm
Luminaire luminous flux	13100 lm
Luminaire luminous efficiency	98,5 lm/W



Service life · Ambient temperature

Ambient 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 $t_a = 35$ °C	LED psu: 50,000 h
	LED module: 112,000 h (L 80 B 50)
	100,000 h (L 80 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.

Inrush current

Inrush current: 59 A / 165 μ 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

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

Colour optionally graphite, white or silver
 Graphite – Article number
 White – Article number + **W**
 Silver – Article number + **A**

Light distribution

