

BEGA**24 116**

Ceiling and wall luminaire



Project · Reference number

Date

Product data sheet

Application

Unshielded LED ceiling and wall luminaire with high protection class.
For a variety of interior and exterior lighting applications.
The luminaire can be installed in any burning position.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
White synthetic diffuser
2 elongated fixing holes
Width 7 mm · 600 mm spacing
Connection box with 2 cable entries for through-wiring of the mains supply cable from \varnothing 5-13 mm, max. $5 \times 2,5^2$
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-264 V
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
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK06
Protection against mechanical impacts < 1 joule
 – Safety mark
 – Conformity mark
Weight: 6.0 kg

Inrush current

Inrush current: 5 A / 100 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 42 luminaires
B 16 A: 68 luminaires
C 10 A: 42 luminaires
C 16 A: 68 luminaires

Lamp

Module connected wattage	22.4 W
Luminaire connected wattage	27 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^\circ\text{C}$

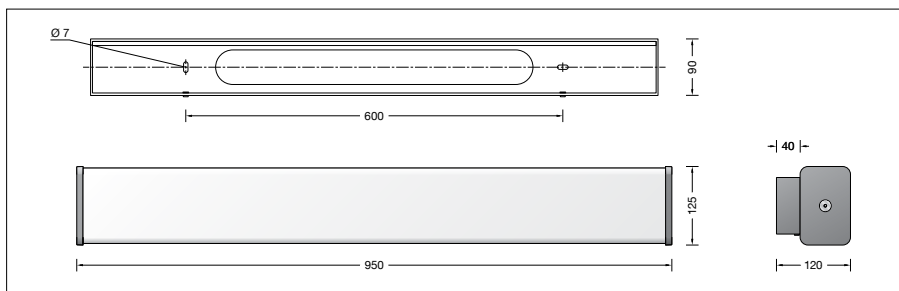
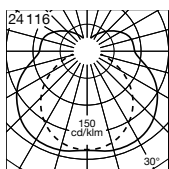
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Module designation	4x LED-0894/830 + 2x LED-0900/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	4640 lm
Luminaire luminous flux	3824 lm
Luminaire luminous efficiency	141,6 lm/W

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Module designation	4x LED-0894/840 + 2x LED-0900/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	4770 lm
Luminaire luminous flux	3929 lm
Luminaire luminous efficiency	145,5 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)
Ambient temperature $t_{a\text{max}} = 40^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)

Ambient temperature $t_{a\text{max}} = 50^\circ\text{C}$ (95 %)	
LED psu:	50,000 h
LED module:	50,000 h

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

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.

Article No. 24 116

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