

BEGA**99 459**

Pendant luminaire for catenary systems



Project · Reference number

Date

Product data sheet

Application

LED pendant luminaire with symmetrical flat beam light distribution for use with catenary systems. Their light distribution is especially suitable for illuminating streets according to DIN EN 13 201.

The cable hanger system of the luminaire is suitable for transverse suspension systems and longitudinal chain systems.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Safety glass, antireflection-coated
Silicone gasket

Reflector made of pure anodised aluminium
Cable hanger for tension cable of \varnothing 5 mm to \varnothing 12 mm with suspending bracket and cable clamp

Thrust screws M8 and lock nuts are made of stainless steel – grade No 1.4301

Horizontal infinitely adjustable $\pm 5^\circ$

Vertical infinitely adjustable 360°

Connection box with cable entries for through-wiring of mains supply cable \varnothing 10-14 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 66

Dust-tight and protection against strong water jets

Impact strength IK08

Protection against mechanical impacts < 5 joule

– Safety mark

– Conformity mark

Wind catching area: 0.065 m²

Weight: 8.4 kg

Inrush current

Inrush current: 8 A / 100 μ s

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

B 10A: 17 luminaires

B 16A: 28 luminaires

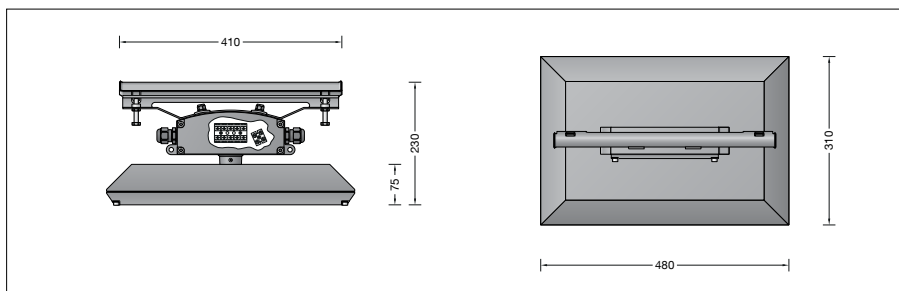
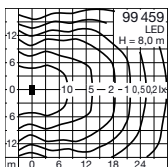
C 10A: 17 luminaires

C 16A: 28 luminaires

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.

Light distribution



Lamp

Module connected wattage	46.4 W
Luminaire connected wattage	51 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 60^\circ\text{C}$

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Module designation	4x LED-0362/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	9280 lm
Luminaire luminous flux	7870 lm
Luminaire luminous efficiency	154,3 lm/W

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Module designation	4x LED-0362/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	9020 lm
Luminaire luminous flux	7650 lm
Luminaire luminous efficiency	150 lm/W

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 $t_{a\text{max}} = 60^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	91,000 h (L 80 B 50)
	100,000 h (L 70 B 50)

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