

BEGA**99 458**

Pendant luminaire for catenary systems



Project · Reference number

Date

Product data sheet

Application

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. $5 \times 2,5$

BEGA Ultimate Driver®

LED power supply unit

220-240 V \sim 0/50-60 Hz

DC 176-264 V

DALI-controllable

Number of DALI addresses: 1

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 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: 8,2 kg

This product contains light sources of energy efficiency class(es) C

Inrush current

Inrush current: 5 A / 100 μ s

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

B10A: 28 luminaires

B16A: 45 luminaires

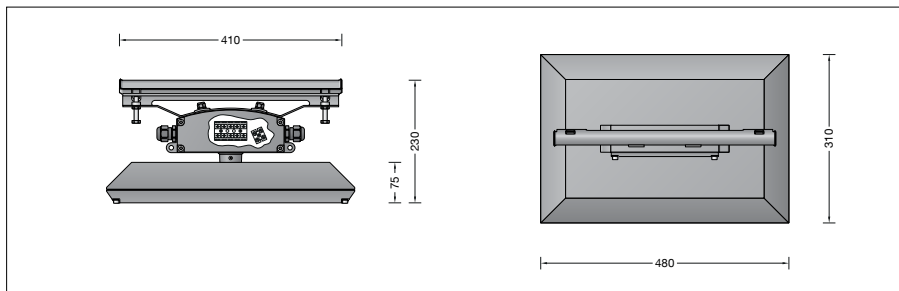
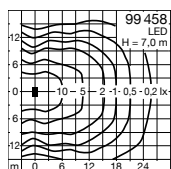
C10A: 28 luminaires

C16A: 48 luminaires

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.

Light distribution



Lamp

Module connected wattage	31.2 W
Luminaire connected wattage	34.6 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 60^\circ\text{C}$

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L.80 B50)
	100,000 h (L.90 B50)

99 458 K4

Module designation	4x LED-0363/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6180 lm
Luminaire luminous flux	5173 lm
Luminaire luminous efficiency	149,5 lm/W

Ambient temperature max. $t_a = 60^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	112,000 h (L.80 B50)

Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

99 458 K3

Module designation	4x LED-0363/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6020 lm
Luminaire luminous flux	5039 lm
Luminaire luminous efficiency	145,6 lm/W

BUG rating according to IES TM-15-07:	2-0-1
CEN Flux Code according to EN 13032-2:	34-72-98-100-100

Article No. 99 458

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