

BEGA**84 105**

Pole top luminaire



Project · Reference number

Date

Product data sheet

Application

LED pole top luminaire with asymmetrical flat beam light distribution for the illumination of smaller driveways and streets as well as paths. The adjustable attack angle allows a precise alignment of the light distribution to the surface to be illuminated. For mounting heights 2500 - 3000 mm.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Clear safety glass
 Silicone gasket
 Reflector made of pure anodised aluminium
 Swivel range 90°
 For pole top ø 60 mm
 Slip fitter insert depth 94 mm
 Connecting cable X05BQ-F 5 G 1[□]
 Cable length 3,5 m
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 176-276 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 IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
 Horizontal wind catching area: 0.04 m²
 Weight: 4.4 kg

Inrush current

Inrush current: 12 A / 24.2 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 50 luminaires
 B 16A: 50 luminaires
 C 10A: 50 luminaires
 C 16A: 50 luminaires

Lamp

Module connected wattage 19.4 W
 Luminaire connected wattage 22.2 W
 Rated temperature $t_a = 25\text{ °C}$
 Ambient temperature $t_{a\text{max}} = 50\text{ °C}$

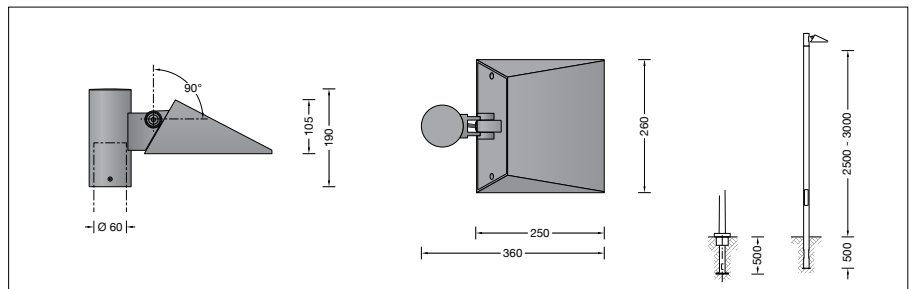
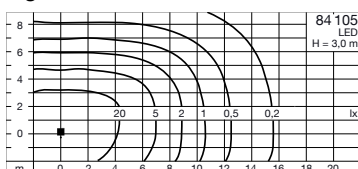
84 105 K4

Module designation 2x LED-0873/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 3860 lm
 Luminaire luminous flux 2928 lm
 Luminaire luminous efficiency 131,9 lm/W

84 105 K3

Module designation 2x LED-0873/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 3760 lm
 Luminaire luminous flux 2852 lm
 Luminaire luminous efficiency 128,5 lm/W

Light distribution



Service life · Ambient temperature

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

Ambient temperature $t_{a\text{max}} = 50\text{ °C}$ (100 %)
 LED psu: 50,000 h
 LED module: 72,000 h (L 80 B 50)
 100,000 h (L 70 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.

Accessories

For this luminaire we recommend the following BEGA luminaire poles:

Cylindrical aluminium poles · lacquered with access door and C-clamp

70 741 Pole with anch.section	H 2500 mm
70 752 Pole with anch.section	H 3000 mm
70 722 Pole with baseplate	H 2500 mm
70 723 Pole with baseplate	H 3000 mm

70 896 Anchor. unit for pole 70 722 · 70 723

Article No. 84 105

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

Colour graphite or silver
 graphite – article number
 silver – article number + **A**