

**BEGA****84 106**

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  
 2 x Connecting cable X05BQ-F 5 G 1 □  
 Cable length 3 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  
 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 IK07  
 Protection against mechanical impacts < 2 joule  
 – Safety mark  
 – Conformity mark  
 Horizontal wind catching area: 0.06 m²  
 Weight: 7.4 kg

### Lamp

Module connected wattage	2x 19.4 W
Luminaire connected wattage	44.4 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 50\text{ °C}$

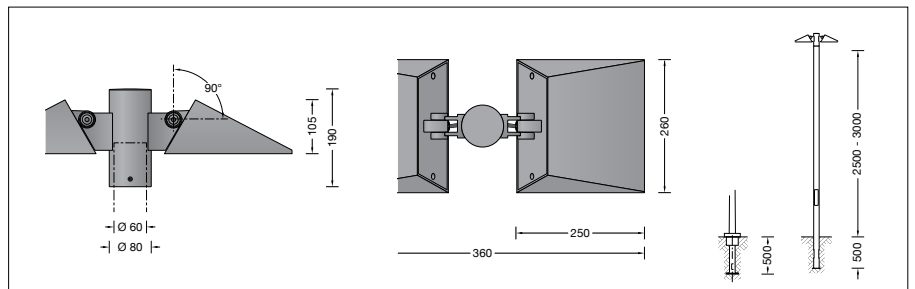
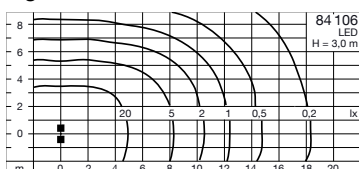
### 84 106 K4

Module designation	4x LED-0873/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	7720 lm
Luminaire luminous flux	5856 lm
Luminaire luminous efficiency	131,9 lm/W

### 84 106 K3

Module designation	4x LED-0873/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	7520 lm
Luminaire luminous flux	5704 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](http://www.bega.com).

### Inrush current

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

### Accessories

For this luminaire we recommend the following BEGA luminaire poles:

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

<b>70 741</b> Pole with anch.section	H 2500 mm
<b>70 752</b> Pole with anch.section	H 3000 mm
<b>70 722</b> Pole with baseplate	H 2500 mm
<b>70 723</b> Pole with baseplate	H 3000 mm

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

For suitable connection boxes please see the instructions for use of the luminaire poles.

### Article No. 84 106

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

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