

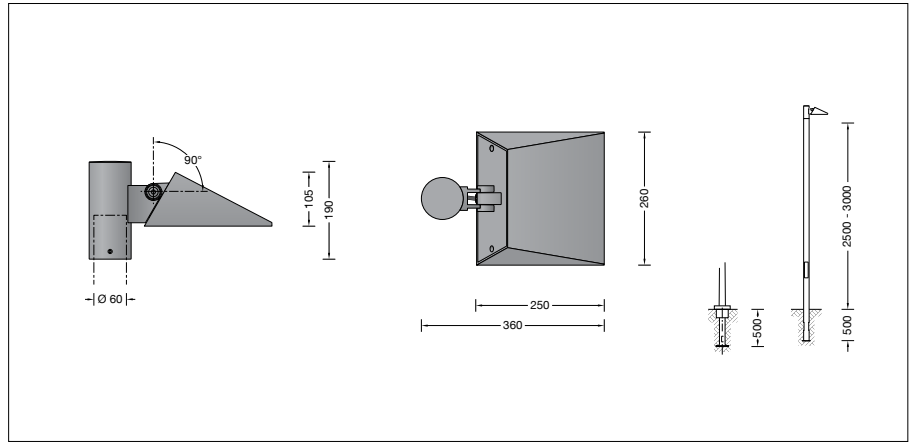
**BEGA****84 103**

Pole top luminaire



Project · Reference number

Date



## Product data sheet

**Application**

LED pole top luminaire with asymmetrical light distribution for in-depth illumination of surfaces and squares.

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  
Safety glass

Reflector surface made of pure aluminium  
Attack angle infinitely adjustable from 0° to 90°  
For pole top  $\varnothing$  60 mm

Slip fitter insert depth 95 mm  
Connecting cable X05BQ-F 5 G 1<sup>0</sup>  
Cable length 3,5 m

LED power supply unit  
220-240 V  $\sim$  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 IK08

Protection against mechanical impacts < 5 joule

– Safety mark

– Conformity mark

Horizontal wind catching area: 0.04 m<sup>2</sup>

Weight: 4.3 kg

**Lamp**

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

**84 103 K4**

Module designation LED-0872/940  
Colour temperature 4000 K  
Colour rendering index CRI >90  
Module luminous flux 3310 lm  
Luminaire luminous flux 2661 lm  
Luminaire luminous efficiency 119,9 lm/W

**84 103 K3**

Module designation LED-0872/930  
Colour temperature 3000 K  
Colour rendering index CRI >90  
Module luminous flux 3130 lm  
Luminaire luminous flux 2516 lm  
Luminaire luminous efficiency 113,3 lm/W

**Service life · Ambient temperature**

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

Ambient temperature  $t_{a,max} = 50$  °C (100 %)

LED psu: 50,000 h  
LED module: 91,000 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  $\mu$ s  
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

**Article No. 84 103**

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  
silver – article number + **A**

**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

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

**Light distribution**