

BEGA**84 092**

Pole top luminaire



Project · Reference number

Date

Product data sheet

Application

LED pole top luminaire with unshielded light distribution.

Soft diffused light through white impact resistant synthetic diffuser.

For lighting paths, parks and pedestrian precincts in private or public sectors.

For mounting heights 2000 mm.

Product description

Luminaire made of cast aluminium, aluminium and stainless steel

BEGA Unidure® coating technology

White synthetic sphere

For pole top \varnothing 60 mm

Slip fitter insert depth 45 mm

Connecting cable X05BQ-F 5 G 1[□]

Cable length 2 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 IK10

Protection against mechanical

impacts < 20 joule

– Safety mark

CE – Conformity mark

Horizontal wind catching area: 0.1 m²

Weight: 3.0 kg

Lamp

Module connected wattage 11.4 W

Luminaire connected wattage 13.8 W

Rated temperature $t_a = 25\text{ °C}$

Ambient temperature $t_{a\text{ max}} = 55\text{ °C}$

84 092 K4

Module designation 6x LED-0645/840

Colour temperature 4000 K

Colour rendering index CRI > 80

Module luminous flux 2340 lm

Luminaire luminous flux 1977 lm

Luminaire luminous efficiency 143,3 lm/W

84 092 K3

Module designation 6x LED-0645/830

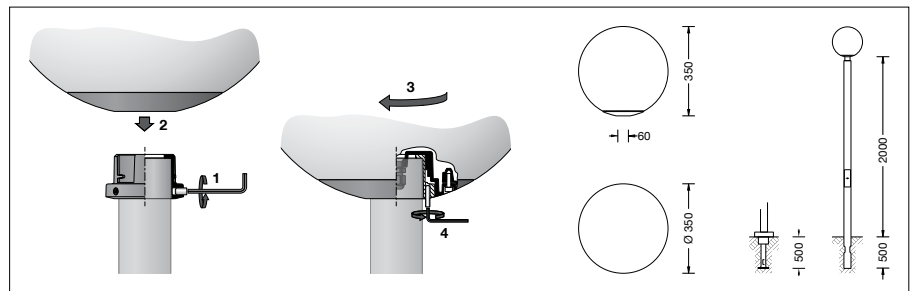
Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 2250 lm

Luminaire luminous flux 1901 lm

Luminaire luminous efficiency 137,8 lm/W



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$

LED psu: > 50,000h

LED module: > 200,000h (L80 B50)

100,000h (L90 B50)

Ambient temperature $t_{a\text{ max}} = 55\text{ °C}$ (100 %)

LED psu: 50,000h

LED module: 67,000h (L80 B50)

100,000h (L70 B50)

Inrush current

Inrush current: 12 A / 24.2 μ s

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

B10A: 50 luminaires

B16A: 50 luminaires

C10A: 50 luminaires

C16A: 50 luminaires

Article No. 84 092

LED colour temperature optionally 4000 K or 3000 K

4000 K – Article number + **K4**

3000 K – Article number + **K3**

Accessories

For this luminaire we recommend the following BEGA luminaire poles:

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

70 740 Pole with anch.section H 2000 mm

70 907 Pole with baseplate H 2000 mm

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

Light distribution

