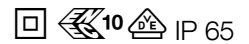


BEGA**84 120**

Pole top luminaire



Project · Reference number

Date

Product data sheet

Application

LED pole-top luminaire with symmetrical light distribution.

For mounting heights 4000 - 6000 mm.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 Synthetic cover with optical structure
 Silicone gasket
 Reflector made of pure anodised aluminium
 For pole top \varnothing 76 mm
 Slip fitter insert depth 90 mm
 Connecting cable X05BQ-F 4 x 1[□]
 Cable length 6 m
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 During DC operation the LED power is reduced to 50 %
 DALI controllable
 A basic isolation exists between power cable and control line
 Safety class II
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK04
 Protection against mechanical impacts < 0.5 joule
 – Safety mark
 CE – Conformity mark
 Wind catching area: 0.07 m²
 Weight: 9.7 kg

Inrush current

Inrush current: 5 A / 100 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 27 luminaires
 B 16A: 44 luminaires
 C 10A: 27 luminaires
 C 16A: 44 luminaires

Lamp

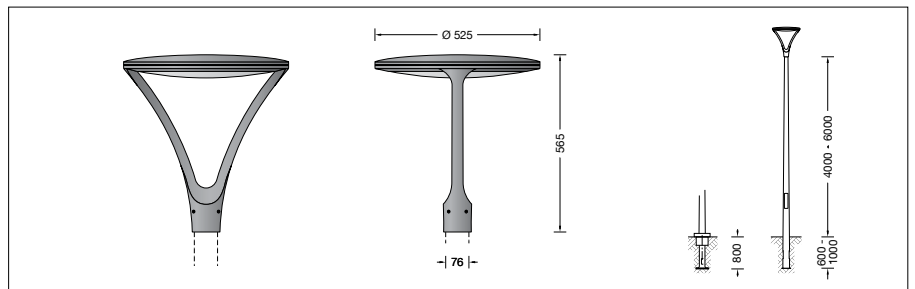
Module connected wattage 23.2 W
 Luminaire connected wattage 26 W
 Rated temperature $t_a = 25$ °C
 Ambient temperature $t_{a \max} = 55$ °C

84 120 K4

Module designation 8x LED-0412/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 4640 lm
 Luminaire luminous flux 2671 lm
 Luminaire luminous efficiency 102,7 lm/W

84 120 K3

Module designation 8x LED-0412/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 4520 lm
 Luminaire luminous flux 2602 lm
 Luminaire luminous efficiency 100,1 lm/W



Service life of the LED

Ambient temperature $t_a = 25$ °C
 – at > 500,000h: L70B50

max. ambient temperature $t_a = 55$ °C
 – at 159,000h: L70B50

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.

Article No. 84 120

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**

Accessories

For this luminaire we recommend the following BEGA luminaire poles:

Tapered aluminium poles · lacquered with access door and C-clamp
70914 Pole with anch.section H 4000 mm
70725 Pole with anch.section H 4500 mm
70915 Pole with anch.section H 5000 mm
70916 Pole with anch.section H 6000 mm
70791 Pole with baseplate H 4000 mm
70792 Pole with baseplate H 4500 mm
70794 Pole with baseplate H 5000 mm

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

Light distribution

