

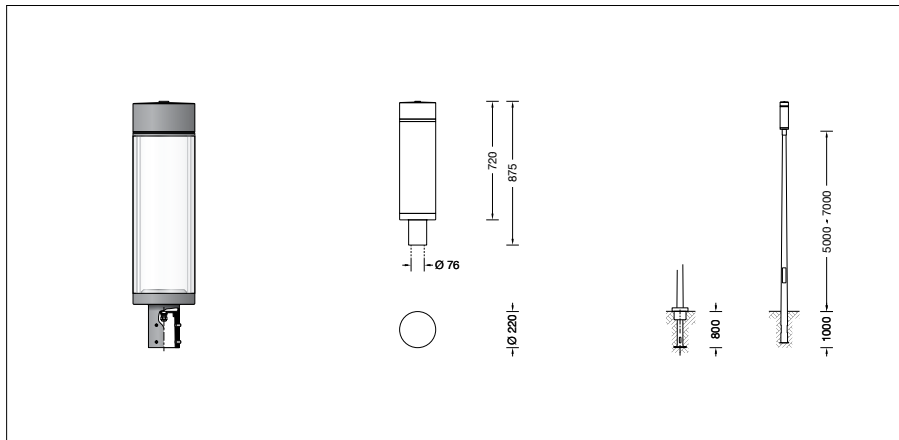
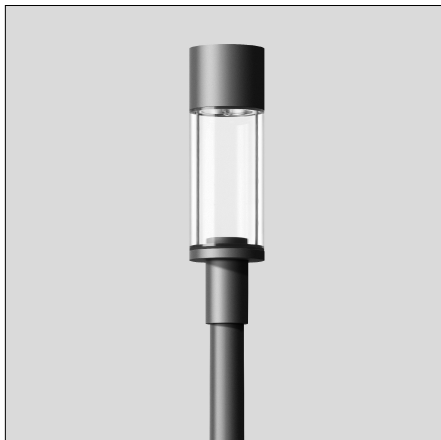
BEGA**84 102**

Pole top luminaire



Project · Reference number

Date



Product data sheet

Application

LED pole top luminaire with asymmetrical flat beam light distribution.
The asymmetrical and flat beam light distribution is suitable especially for the illumination of streets according to DIN EN 13201.
For mounting heights 5000-7000 mm.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
Synthetic diffuser, clear
Silicone gasket
Reflector made of pure anodised aluminium
For pole top Ø 76 mm
Slip fitter insert depth 110 mm
Connecting cable X05BQ-F 5 G 1[□]
Cable length 7 m
LED power supply unit
220-240 V ~ 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 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: 0.18 m²
Weight: 9.9 kg

Lamp

Module connected wattage 46.8 W
Luminaire connected wattage 52 W
Rated temperature $t_a = 25\text{ °C}$
Ambient temperature $t_{a\text{ max}} = 40\text{ °C}$

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Module designation LED-0502/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 9160 lm
Luminaire luminous flux 6396 lm
Luminaire luminous efficiency 123 lm/W

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Module designation LED-0502/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 8905 lm
Luminaire luminous flux 6217 lm
Luminaire luminous efficiency 119,6 lm/W

Service life of the LED

Ambient temperature $t_a = 25\text{ °C}$
– at 246,000 h: L 70 B 50

max. ambient temperature $t_a = 40\text{ °C}$
– at 102,000 h: L 70 B 50

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (73 %)
LED psu: 50,000 h
LED module: 50,000 h

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Inrush current

Inrush current: 5 A / 100 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 27 luminaires
B 16 A: 44 luminaires
C 10 A: 27 luminaires
C 16 A: 44 luminaires

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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:

Tapered aluminium poles · lacquered with access door and C-clamp
70915 Pole with anch.section H 5000 mm
70916 Pole with anch.section H 6000 mm
70917 Pole with anch.section H 7000 mm
70794 Pole with baseplate H 5000 mm

Cylindrically stepped aluminium poles, lacquered with door und C rail
70903 Pole with anch.section H 5000 mm
70905 Pole with anch.section H 6000 mm

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

Light distribution