

BEGA

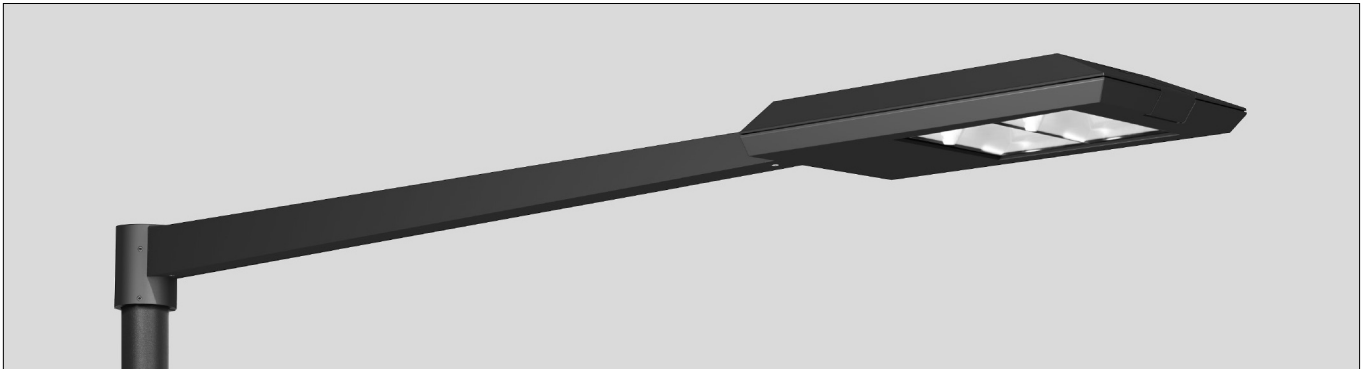
77 728

Pole top luminaire



Project · Reference number

Date



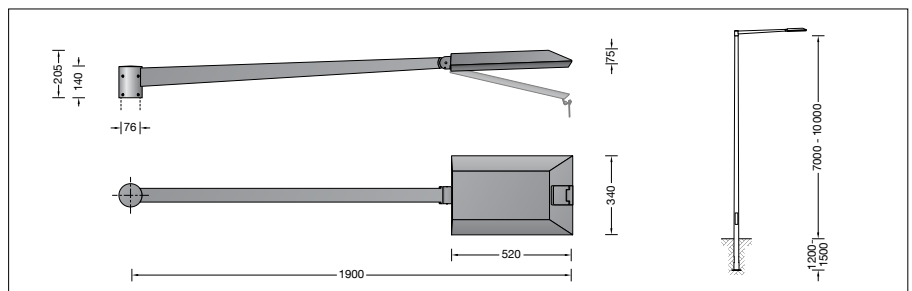
Product data sheet

Application

LED pole top luminaire with outrigger arm. The asymmetrical and flat beam light distribution is suitable especially for the illumination of streets according to DIN EN 13201. For mounting heights 7000 - 10000 mm.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 Safety glass, antireflection-coated
 Silicone gasket
 Reflector made of pure anodised aluminium
 Toolless closure
 For pole top ø 76 mm
 Slip fitter insert depth 90 mm
 Connecting cable X05BQ-F 4 x 1 □
 Cable length 10 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 II □
 Protection class IP 66
 Dust-tight and protection against strong water jets
 Impact strength IK08
 Protection against mechanical impacts < 5 joule
 10 - Safety mark
 CE - Conformity mark
 Horizontal wind catching area: 0.13 m²
 Weight: 14.0 kg



Lamp

Module connected wattage 46.4 W
 Luminaire connected wattage 53.2 W
 Rated temperature $t_a = 25\text{ °C}$
 Ambient temperature $t_{a\text{max}} = 50\text{ °C}$

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Module designation 4x LED-0848/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 9280 lm
 Luminaire luminous flux 7770 lm
 Luminaire luminous efficiency 146,1 lm/W

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Module designation 4x LED-0848/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 9020 lm
 Luminaire luminous flux 7553 lm
 Luminaire luminous efficiency 142 lm/W

Service life of the LED

Ambient temperature $t_a = 25\text{ °C}$
 - at > 500,000h: L70B50

max. ambient temperature $t_a = 50\text{ °C}$
 - at 260,000h: 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.

Inrush current

Inrush current: 8 A / 100 µs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 13 luminaires
 B 16A: 22 luminaires
 C 10A: 13 luminaires
 C 16A: 22 luminaires

Article No. 77 728

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 steel poles without visible welding seam - hot-dip galvanised and lacquered with access door and C-clamp
70 835 Pole with anch.section H 7000 mm
70 836 Pole with anch.section H 8000 mm
70 837 Pole with anch.section H 9000 mm

Tapered steel luminaire poles longitudinally seam-welded · hot-dip galvanised and lacquered with access door and C rail
71 004 Pole with anch.section H 7000 mm
71 006 Pole with anch.section H 8000 mm
71 008 Pole with anch.section H 9000 mm
71 010 Pole with anch.section H 10000 mm

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

Light distribution

