BEGA

77 736

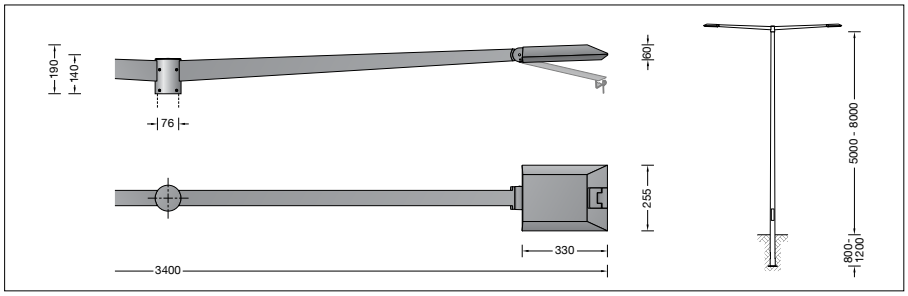
Pole top luminaire

IP 66

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 5000 - 8000 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
2 x Connecting cable X05BQ-F 4 × 1□
Cable length 8 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
ENEC – Safety mark
CE – Conformity mark
Horizontal wind catching area: 0.21 m²
Weight: 19.4 kg

Lamp

Module connected wattage	2x 31 W
Luminaire connected wattage	69.6 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 50 °C

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Module designation	4x LED-0847/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	12380 lm
Luminaire luminous flux	9764 lm
Luminaire luminous efficiency	140,3 lm / W

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Module designation	4x LED-0847/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	12040 lm
Luminaire luminous flux	9496 lm
Luminaire luminous efficiency	136,4 lm / W

Service life of the LED
Ambient temperature t_a = 25 °C
– at > 500,000 h: L70B50

max. ambient temperature t_a = 50 °C
– at 214,000 h: 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: 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

Article No. 77 736
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**

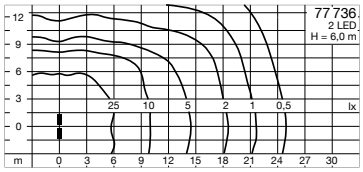
Accessories
For this luminaire we recommend the following BEGA luminaire poles:

Tapered steel poles without visible welding seam - hot-dip galvanised and lacquered with access door and C-clamp

70 886	Pole with anch.section	H 5000 mm
70 834	Pole with anch.section	H 6000 mm
70 835	Pole with anch.section	H 7000 mm
70 836	Pole with anch.section	H 8000 mm

Tapered steel luminaire poles longitudinally seam-welded · hot-dip galvanised and lacquered with access door and C rail

71 002	Pole with anch.section	H 6000 mm
71 004	Pole with anch.section	H 7000 mm
71 006	Pole with anch.section	H 8000 mm

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

Light distribution