

BEGA**77 176**

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 3500 - 6000 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 \varnothing 76 mm
Slip fitter insert depth 70 mm
Connecting cable X05BQ-F 5 G 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 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: 5.0 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 29.4 W
Luminaire connected wattage 33 W
Rated temperature $t_a = 25$ °C
Ambient temperature $t_{a,max} = 50$ °C

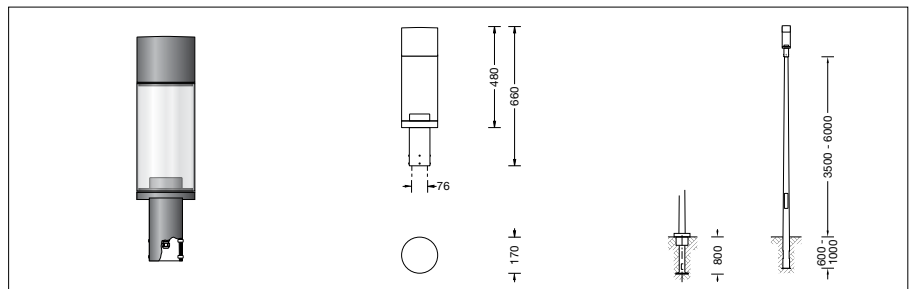
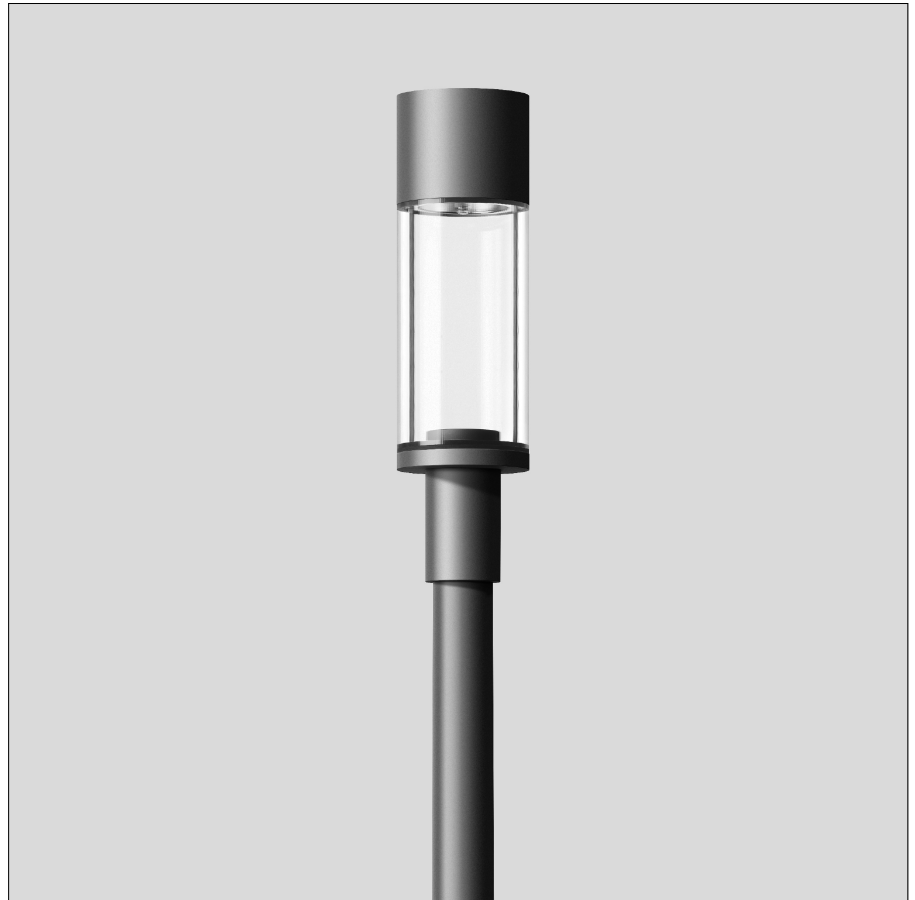
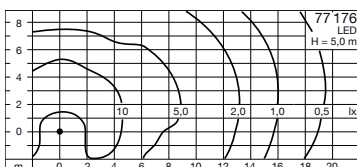
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Module designation LED-0431/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 5720 lm
Luminaire luminous flux 3741 lm
Luminaire luminous efficiency 113,4 lm/W

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Module designation LED-0431/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 5560 lm
Luminaire luminous flux 3636 lm
Luminaire luminous efficiency 110,2 lm/W

Light distribution



Service life of the LED

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

max. ambient temperature $t_a = 50$ °C
– at 122,000h: L70B50

Article No. 77 176

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

70913	Pole with anch.section	H 3500 mm
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
70789	Pole with baseplate	H 3500 mm
70791	Pole with baseplate	H 4000 mm
70792	Pole with baseplate	H 4500 mm
70794	Pole with baseplate	H 5000 mm

Cylindrically stepped aluminium poles, lacquered with door und C rail

70901	Pole with anch.section	H 4000 mm
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.