

BEGA**77 025**

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 4000 - 5000 mm.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
Clear safety glass
Silicone gasket
Reflector made of pure anodised aluminium
Attack angle adjustable in steps of 10° up to +90°
For pole top ø 76 mm
Slip fitter insert depth 95 mm
Connecting cable X05BQ-F 5 G 1[□]
Cable length 5 m
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-276 V
DALI controllable
A basic isolation exists between power cable and control line
Safety class I
Protection class IP 66
Dust-tight and protection against strong water jets
Impact strength IK10
Protection against mechanical impacts < 20 joule
 – Safety mark
 – Conformity mark
Horizontal wind catching area: 0.06 m²
Weight: 6.0 kg

Inrush current

Inrush current: 12 A / 24.2 μs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 50 luminaires
B 16 A: 50 luminaires
C 10 A: 50 luminaires
C 16 A: 50 luminaires

Lamp

Module connected wattage 15.4 W
Luminaire connected wattage 18 W
Rated temperature $t_a = 25\text{ °C}$
Ambient temperature $t_{a\text{ max}} = 55\text{ °C}$

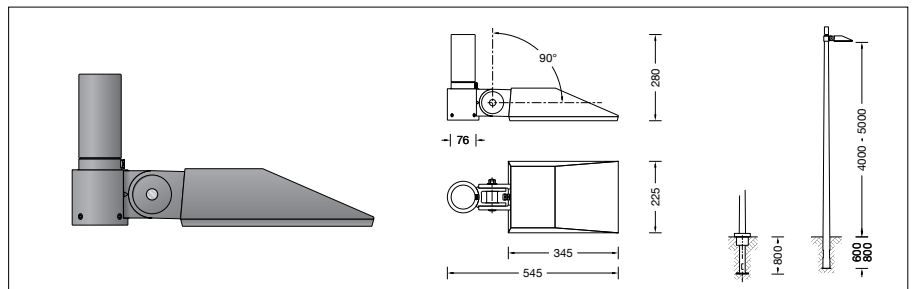
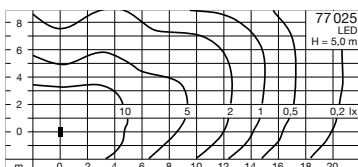
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Module designation 2x LED-0862/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 3090 lm
Luminaire luminous flux 2391 lm
Luminaire luminous efficiency 132,8 lm/W

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Module designation 2x LED-0862/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 3000 lm
Luminaire luminous flux 2322 lm
Luminaire luminous efficiency 129 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B 50)
100,000 h (L 90 B 50)

Ambient temperature $t_{a\text{ max}} = 55\text{ °C}$ (100 %)
LED psu: 50,000 h
LED module: 46,000 h (L 80 B 50)
70,000 h (L 70 B 50)

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. 77 025

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

Tapered aluminium poles, lacquered with access door and C-clamp
70 914 Pole with anch.section H 4000 mm
70 725 Pole with anch.section H 4500 mm
70 915 Pole with anch.section H 5000 mm
70 791 Pole with baseplate H 4000 mm
70 792 Pole with baseplate H 4500 mm
70 794 Pole with baseplate H 5000 mm

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