

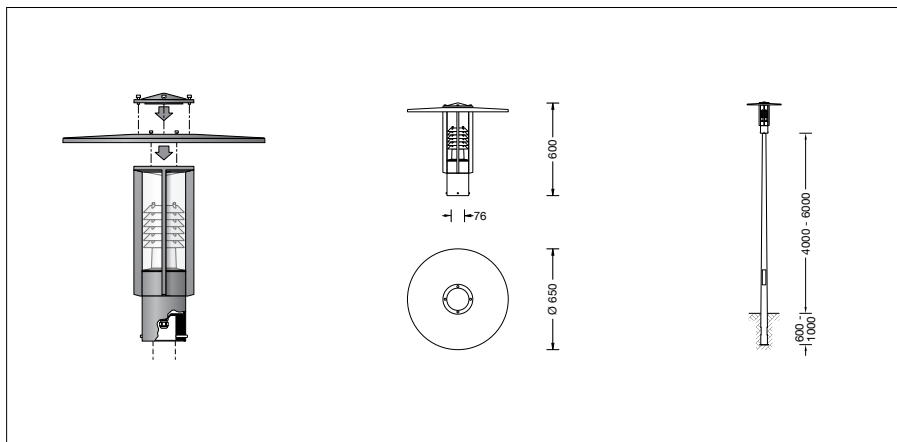
BEGA**77 142**

Pole top luminaire



Project · Reference number

Date



Product data sheet

Application

LED pole-top luminaire with symmetrical light distribution.
For mounting heights 4000 - 6000 mm.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
Clear synthetic diffuser
Louvred reflector, white
For pole top $\varnothing$ 76 mm
Slip fitter insert depth 80 mm
Connecting cable X05BQ-F 5 G 1[□]
Cable length 6 m
with plug connection
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 IK07
Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
Wind catching area: 0.12 m²
Weight: 11.3 kg

Lamp

Module connected wattage 22.8 W
Luminaire connected wattage 25.5 W
Rated temperature $t_a = 25^\circ\text{C}$
Ambient temperature $t_{a\text{ max}} = 50^\circ\text{C}$

77 142 K4

Module designation 6x LED-0146/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 4710 lm
Luminaire luminous flux 1838 lm
Luminaire luminous efficiency 72,1 lm/W

77 142 K3

Module designation 6x LED-0146/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 4590 lm
Luminaire luminous flux 1791 lm
Luminaire luminous efficiency 70,2 lm/W

Service life of the LED

Ambient temperature $t_a = 25^\circ\text{C}$
– at 384,000 h: L 70 B 50

max. ambient temperature $t_a = 50^\circ\text{C}$
– at 87,000 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.

Inrush current

Inrush current: 5 A / 100 μs
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

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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
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
70791 Pole with baseplate H 4000 mm
70792 Pole with baseplate H 4500 mm
70794 Pole with baseplate H 5000 mm

Cylindrical aluminium poles, lacquered with access door and C-clamp
70742 Pole with anch.section H 4000 mm
70743 Pole with anch.section H 4500 mm
70744 Pole with anch.section H 5000 mm
70732 Pole with baseplate H 3500 mm
70733 Pole with baseplate H 4000 mm

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

Light distribution