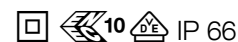


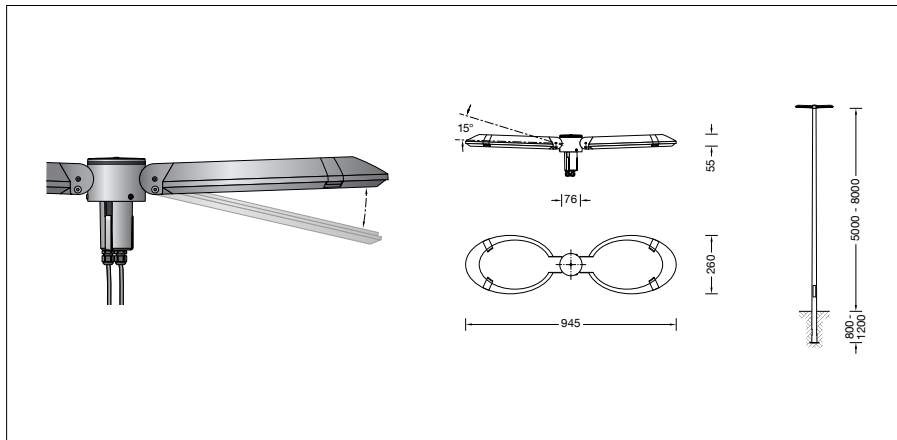
BEGA**77 859**

Pole top luminaire



Project · Reference number

Date



Product data sheet

Application

Pole top luminaire with asymmetrical flat beam light distribution.
For mounting heights 5000 - 8000 mm.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Safety glass, antireflection-coated
Silicone gasket
Reflector made of pure anodised aluminium
Toolless closure
Adjustable joint for beam direction 0° or 15°
For pole top ø 76 mm
Inner diameter of the pole min.62 / max.70 mm
Slip fitter insert depth 100 mm
2 x Connecting cable X05BQ-F 4 x 1 □
Cable length 8 m
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
DALI controllable
A basic isolation exists between power cable and control line
BEGA Thermal Control®
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
Safety class II
Protection class IP 66
Dust-tight and protection against strong water jets
Impact strength IK08
Protection against mechanical impacts < 5 joule
 - Safety mark
 - Conformity mark
Horizontal wind catching area: 0.05 m²
Weight: 9.8 kg

Lamp

Module connected wattage 2x 31 W
Luminaire connected wattage 68 W
Rated temperature $t_a = 25^\circ\text{C}$
Ambient temperature $t_{a\text{ max}} = 55^\circ\text{C}$

77 859 K4

Module designation 2x LED-0411/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 12380 lm
Luminaire luminous flux 9568 lm
Luminaire luminous efficiency 140,7 lm/W

77 859 K3

Module designation 2x LED-0411/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 12020 lm
Luminaire luminous flux 9289 lm
Luminaire luminous efficiency 136,6 lm/W

Service life · Ambient temperature

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

Ambient temperature $t_{a\text{ max}} = 55^\circ\text{C}$ (100 %)

LED psu: 50,000 h
LED module: 703,000 h (L 80 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 10 A: 35 luminaires
B 16 A: 56 luminaires
C 10 A: 35 luminaires
C 16 A: 56 luminaires

Article No. 77 859

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

Cylindrically stepped aluminium poles, lacquered with door und C rail
70 903 Pole with anch.section H 5000 mm
70 905 Pole with anch.section H 6000 mm

Cylindrically stepped aluminium poles, lacquered with access door and C-clamp
70 902 Pole with baseplate H 5000 mm
70 904 Pole with baseplate H 6000 mm

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

Light distribution