

**BEGA****77 910**

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 - 6000 mm.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
Synthetic cover with optical structure  
Reflector made of pure anodised aluminium  
For pole top  $\varnothing$  76 mm  
Slip fitter insert depth 135 mm  
Connecting cable X05BQ-F 5 G 1  $\square$   
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  
 – Conformity mark  
Wind catching area: 0.16 m<sup>2</sup>  
Weight: 10.5 kg

### Inrush current

Inrush current: 5 A / 100  $\mu$ 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

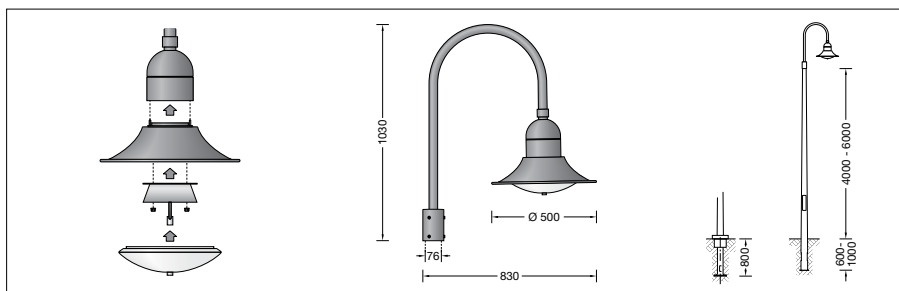
Module connected wattage	15.4 W
Luminaire connected wattage	17.6 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 60$ °C

### 77 910 K4

Module designation	2x LED-0276/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3090 lm
Luminaire luminous flux	2380 lm
Luminaire luminous efficiency	135,2 lm/W

### 77 910 K3

Module designation	2x LED-0276/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3010 lm
Luminaire luminous flux	2319 lm
Luminaire luminous efficiency	131,8 lm/W



### Service life of the LED

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

max. ambient temperature  $t_a = 60$  °C  
– at 109,000h: 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](http://www.bega.com).

### Article No. 77 910

LED colour temperature optionally 4000 K or 3000 K  
4000 K – Article number + **K4**  
3000 K – Article number + **K3**

### Accessories

Tapered aluminium poles, lacquered with access door and C-clamp

<b>70 914</b> Pole with anch.section	H 4000 mm
<b>70 725</b> Pole with anch.section	H 4500 mm
<b>70 915</b> Pole with anch.section	H 5000 mm
<b>70 916</b> Pole with anch.section	H 6000 mm
<b>70 928</b> Pole with baseplate	H 4200 mm
<b>70 926</b> Pole with baseplate	H 5000 mm

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

### Light distribution

