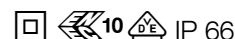
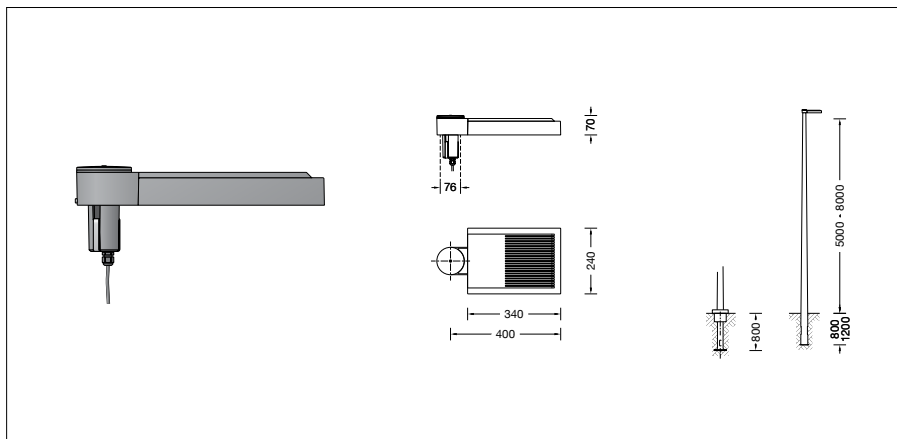


## Pole top luminaire







Project · Reference number

Date \_\_\_\_\_



## Product data sheet

### Product description

Luminaire made of aluminium alloy,  
 aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Colour graphite  
 Safety glass, antireflection-coated  
 Silicone gasket  
 Reflector surface made of pure aluminium  
 For pole top ø 76 mm  
 Inner diameter of the pole min. 62 / max. 70 mm  
 Slip fitter insert depth 100 mm  
 Connecting cable X05BQ-F 4 × 1 mm<sup>2</sup>  
 Cable length 8 m  
 BEGA Ultimate Driver®  
 Complies with flicker requirements in  
 accordance with IEEE 1789,  
 DIN IEC/TR 63158, DIN IEC/TR 61547-1  
 LED power supply unit  
 220-240 V ~ 0/50-60 Hz  
 DC 176-264 V  
 DALI controllable  
 Number of DALI addresses: 1  
 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 IK07  
 Protection against mechanical  
 impacts < 2 joule  
 10  – Safety mark  
 – Conformity mark  
 Horizontal wind catching area: 0.03 m<sup>2</sup>  
 Weight: 5.6 kg  
 This product contains light sources of energy  
 efficiency class(es) C

## Application

**Application:**  
Pole top luminaire with asymmetrical light distribution for in-depth illumination of surfaces and squares.  
For mounting heights 5000 - 8000 mm.

## Dark Sky

The light of this luminaire is directed evenly and highly efficiently onto the surface to be illuminated. No light is emitted into the upper half-space of the luminaire.

## Lamp

Module connected wattage	31 W
Luminaire connected wattage	33.5 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 55^\circ\text{C}$

## 84 582 K3

Module designation	LED-1080/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6020 lm
Luminaire luminous flux	4997 lm
Luminaire luminous efficiency	149.2 lm/W

## 84 582 K4

Module designation	LED-1080/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6190 lm
Luminaire luminous flux	5138 lm
Luminaire luminous efficiency	153,4 lm/W

**Service life · Ambient temperature**

Rated temperature  $t_a = 25^\circ\text{C}$   
LED psu: > 50,000h  
LED module: > 200,000h (L80B50)  
100,000h (L90B50)

Ambient temperature max.  $t_a = 55^\circ\text{C}$  (100 %)  
LED psu: 50,000h  
LED module: > 200,000h (L80B50)  
100,000h (L90B50)

### Inrush current

Inrush current: 5 A / 100  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	28 luminaires
B 16A:	45 luminaires
C 10A:	28 luminaires
C 16A:	48 luminaires

## Lighting technology

Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at [www.bega.com](http://www.bega.com).

### Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-07:  
0-0-1  
CEN Flux Code according to EN 13032-  
35-73-95-100-100

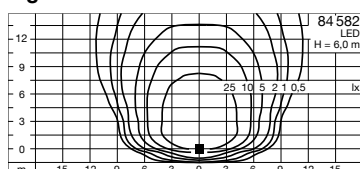
**BEGA Constant Optics®**

BEGA Constant Optics® is an efficient optical system that is virtually impervious to wear and tear. The durable materials used, including glass, pure aluminium and silicone, show no effects of ageing, even under extreme conditions like high temperatures and UV radiation.

## Article No. 84 582

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

### Light distribution



## Accessories

Cylindrically stepped aluminium poles,  
lacquered with access door and C-clamp

<b>70 902</b>	Pole with baseplate	H 5000 mm
<b>70 904</b>	Pole with baseplate	H 6000 mm
<b>70 903</b>	Pole with anch.section	H 5000 mm
<b>70 905</b>	Pole with anch.section	H 6000 mm

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

<b>70 915</b>	Pole with anch.section	H 5000 mm
<b>70 916</b>	Pole with anch.section	H 6000 mm
<b>70 917</b>	Pole with anch.section	H 7000 mm
<b>70 726</b>	Pole with anch.section	H 8000 mm

Tapered steel poles without visible welding  
seam · hot-dip galvanised and lacquered with  
access door and C-clamp

<b>70 886</b>	Pole with anch.section	H 5000 mm
<b>70 834</b>	Pole with anch.section	H 6000 mm
<b>70 835</b>	Pole with anch.section	H 7000 mm
<b>70 836</b>	Pole with anch.section	H 8000 mm

Tapered poles made of laminated wood in  
accordance with DIN EN 14080 and aluminium  
· with access door and C-clamp

<b>71 194</b>	Pole with baseplate	H 5000 mm
<b>71 195</b>	Pole with baseplate	H 6000 mm

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