

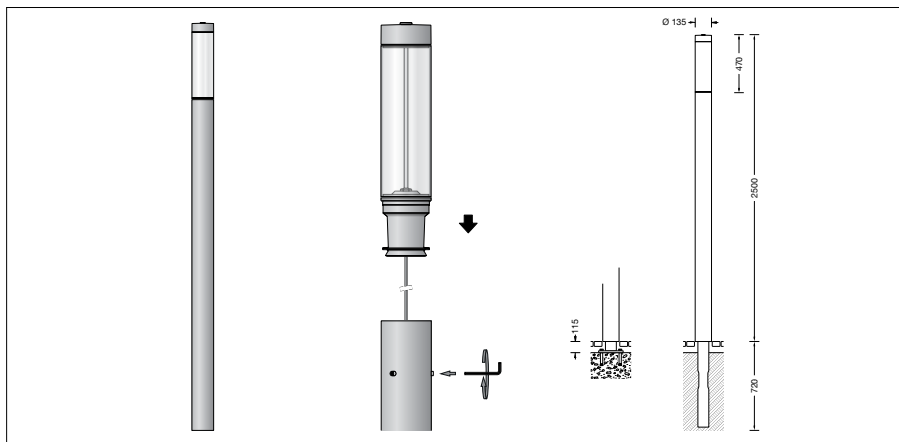
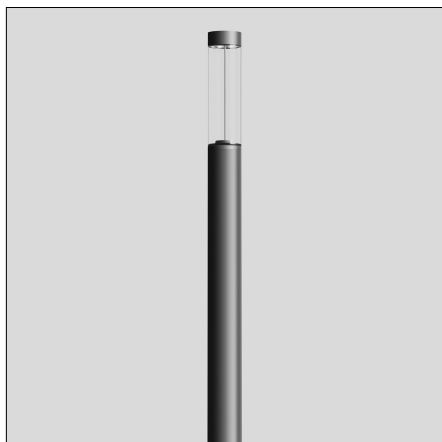
**BEGA****84 747**

Light building element



Project · Reference number

Date



## Product data sheet

**Product description**

Luminaire made of cast aluminium, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Colour graphite or silver  
 Pole made of anodised pure aluminium  
 Synthetic diffuser, clear with optical structure  
 Reflector of anodised pure aluminium  
 Fixing of the light building element with anchorage unit **71 242** or screw-on base **71 243** for bolting onto a foundation (see accessories)  
 Connection box with 2 screw cable glands for through-wiring power connecting cable  $\phi$  8–17 mm, max.  $5 \times 4^{\square}$   
 1 screw cable gland closed at the factory with a dummy plug  
 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  $\sim$  0/50–60 Hz  
 DALI-controllable  
 Number of DALI addresses: 1  
 Basic insulation is provided between the mains and control cables  
 BEGA Thermal Control®  
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire  
 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: 0.35 m<sup>2</sup>  
 Weight: 11.0 kg  
 This product contains light sources of energy efficiency class(es) C

**Application**

Light building element with rotationally symmetrical light distribution for lighting and designing squares, access roads and entrance areas.

**Lamp**

Module connected wattage	19.5 W
Luminaire connected wattage	22.5 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{ max}} = 50^{\circ}\text{C}$

**84 747 K3**

Module designation	LED-0882/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3710 lm
Luminaire luminous flux	2375 lm
Luminaire luminous efficiency	105,6 lm/W

**84 747 K4**

Module designation	LED-0882/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3815 lm
Luminaire luminous flux	2442 lm
Luminaire luminous efficiency	108,5 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 100,000 h (L90 B50)

Ambient temperature max. $t_a = 50^{\circ}\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	170,000 h (L80 B50)

**Inrush current**

Inrush current: 16 A / 100  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 25 luminaires  
 B 16A: 40 luminaires  
 C 10A: 40 luminaires  
 C 16A: 65 luminaires

**Dark Sky**

The light from this luminaire is directed evenly and highly efficiently onto the surface to be illuminated. Less than 1 % of the luminaire luminous flux is emitted into the upper half-space of the luminaire.

**Ratio of luminous flux**

Luminous flux upper half-space	0,3 %
Luminous flux lower half-space	99,7 %

BUG rating according to IES TM-15-07:

1 – 1 – 1

CEN Flux Code according to EN 13032-2:  
 21 – 63 – 94 – 100 – 100

**Accessories**

**71 242** Anchorage unit  
**71 243** Screw-on base

A separate instructions for use can be provided upon request.

**Article No. 84 747**

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

Colour graphite or silver  
 graphite – article number  
 silver – article number + **A**

**Light distribution**