

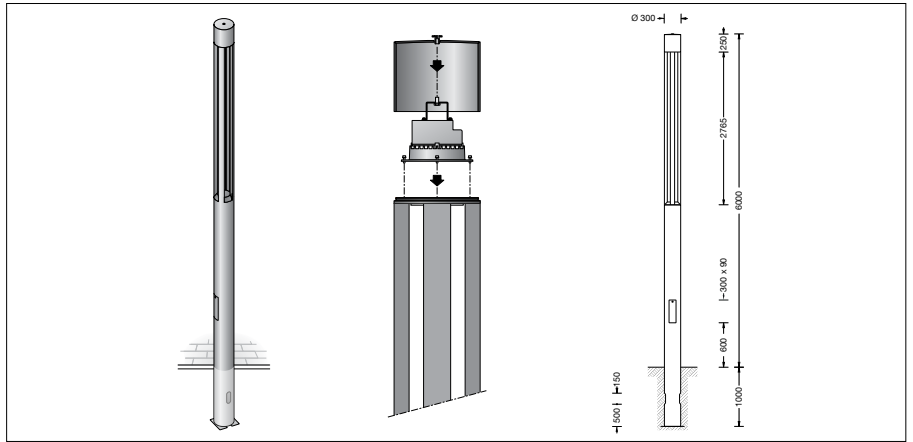
**BEGA****84 082**

Light building element





Project · Reference number

Date



## Product data sheet

### Product description

The luminaire consists of aluminium profiles, cast aluminium and stainless steel  
 Clear safety glass  
 Silicone gasket  
 Reflector made of pure anodised aluminium  
 Length of anchorage section 1000 mm  
 2 opposite cable entries 150 x 50 mm  
 Screw-on ground plate approx. 250 x 250 mm  
 With inserted door made of aluminium  
 Square door latch (wrench size 8 mm)  
 Connection box 71 084  
 for through-wiring – for 2 cables up to 7 x 6<sup>□</sup>  
 Terminal connection L1 · L2 · L3 · N · PE  
 2 connecting terminals for connecting DALI control cables  
 Fuse terminal with micro fuse  
 6,3 A slow  $\phi$  5 x 20 mm  
 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: 1.48 m<sup>2</sup>  
 Weight: 95.0 kg

### Application

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

Light building elements are luminaires which can divide and structure areas in exterior application. They have a orientating, directing and demarcating function.

### Lamp

Module connected wattage 58.6 W  
 Luminaire connected wattage 65.2 W  
 Rated temperature  $t_a = 25\text{ }^\circ\text{C}$   
 Ambient temperature  $t_{a\text{max}} = 45\text{ }^\circ\text{C}$

### 84 082 K4

Module designation LED-0837/840  
 Colour temperature 4000 K  
 Colour rendering index CRI > 80  
 Module luminous flux 11450 lm  
 Luminaire luminous flux 4923 lm  
 Luminaire luminous efficiency 75,5 lm/W

### 84 082 K3

Module designation LED-0837/830  
 Colour temperature 3000 K  
 Colour rendering index CRI > 80  
 Module luminous flux 11130 lm  
 Luminaire luminous flux 4785 lm  
 Luminaire luminous efficiency 73,4 lm/W

### Inrush current

Inrush current: 8 A / 100  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 13 luminaires  
 B 16A: 22 luminaires  
 C 10A: 13 luminaires  
 C 16A: 22 luminaires

### 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).

### Service life of the LED

Ambient temperature  $t_a = 25\text{ }^\circ\text{C}$   
 – at 304,000 h: L70B50

max. ambient temperature  $t_a = 45\text{ }^\circ\text{C}$   
 – at 93,000 h: L70B50

Ambient temperature  $t_{a\text{max}} = 50\text{ }^\circ\text{C}$  (65 %)  
 LED psu: 50,000 h  
 LED module: 50,000 h

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

### Article No. 84 082

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**

### Light distribution

