

**BEGA****77 754**

Light design element



Project · Reference number

Date

## Product data sheet

### Application

LED light design element  
to structure and divide surfaces and squares in  
public and private areas.  
Single-sided flat beam light distribution to  
illuminate surfaces and paths.

### Product description

Luminaire made of aluminium alloy,  
aluminium and stainless steel  
BEGA Unidure® coating technology  
Safety glass with optical structure  
Reflector made of pure anodised aluminium  
Luminaire with mounting plate  
made of hot-dip galvanised steel according to  
EN ISO 1461  
for bolting onto a foundation  
with 4 holes  $\varnothing$  11 mm  
320 x 160 mm spacing  
Connection box with cable entries for through-  
wiring of mains supply cable up to  $\varnothing$  18 mm  
max. 5 x 2.5<sup>□</sup>  
Connecting terminal 5 x 4<sup>□</sup>  
LED power supply unit  
220-240 V  $\sim$  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 I  
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK10  
Protection against mechanical  
impacts < 20 joule  
 – Safety mark  
**CE** – Conformity mark  
Weight: 27.8 kg

### Lamp

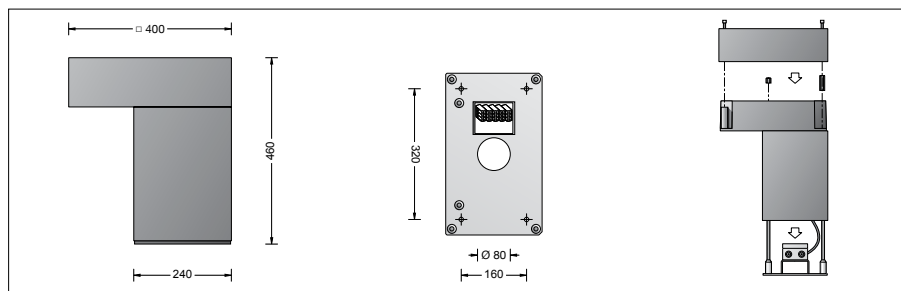
|                             |                      |
|-----------------------------|----------------------|
| Module connected wattage    | 11.6 W               |
| Luminaire connected wattage | 13.8 W               |
| Rated temperature           | $t_a = 25$ °C        |
| Ambient temperature         | $t_{a \max} = 55$ °C |

### 77 754 K3

|                               |                 |
|-------------------------------|-----------------|
| Module designation            | 2x LED-0297/830 |
| Colour temperature            | 3000 K          |
| Colour rendering index        | CRI > 80        |
| Module luminous flux          | 2250 lm         |
| Luminaire luminous flux       | 933 lm          |
| Luminaire luminous efficiency | 67,6 lm/W       |

### 77 754 K4

|                               |                 |
|-------------------------------|-----------------|
| Module designation            | 2x LED-0297/840 |
| Colour temperature            | 4000 K          |
| Colour rendering index        | CRI > 80        |
| Module luminous flux          | 2320 lm         |
| Luminaire luminous flux       | 962 lm          |
| Luminaire luminous efficiency | 69,7 lm/W       |



### Service life · Ambient temperature

Rated temperature  $t_a = 25$  °C  
LED psu: > 50,000 h  
LED module: > 200,000 h (L 80 B 50)  
100,000 h (L 90 B 50)  
Ambient temperature  $t_{a \max} = 55$  °C (100 %)  
LED psu: 50,000 h  
LED module: 122,000 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](http://www.bega.com).

### Inrush current

Inrush current: 5 A / 100  $\mu$ s  
Maximum number of luminaires of this  
type per miniature circuit breaker:  
B 10A: 56 luminaires  
B 16A: 90 luminaires  
C 10A: 56 luminaires  
C 16A: 90 luminaires

### Article No. 77 754

LED colour temperature optionally 3000K  
or 4000K  
3000 K – Article number + **K3**  
4000 K – Article number + **K4**  
Colour graphite or silver  
graphite – article number  
silver – article number + **A**