

**BEGA****77 601**

Compact floodlight



Project · Reference number

Date

## Product data sheet

### Application

LED compact floodlight with mounting box for permanent installations on a wall, under a ceiling or on a pillar.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Clear safety glass  
 Reflector made of pure anodised aluminium  
 Rotation range of floodlight 350°  
 Swivel range -15°/+90°  
 Mounting plate with 3 fixing holes  $\varnothing$  5,3 mm  
 Angle 120° · Pitch circle  $\varnothing$  52 mm  
 1 cable entry for mains supply cable up to  $\varnothing$  10,5 mm max.  $3 \times 1,5^{\square}$   
 Connection terminal  $2,5^{\square}$   
 Earth conductor connection  
 LED power supply unit  
 100-240 V  $\sim$  0/50-60 Hz  
 DC 80-310 V  
 BEGA Thermal Switch®  
 Temporary thermal shutdown to protect temperature-sensitive components  
 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: 0.012 m<sup>2</sup>  
 Weight: 0.9 kg

### Inrush current

Inrush current: 14 A / 130  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 29 luminaires  
 B 16A: 48 luminaires  
 C 10A: 46 luminaires  
 C 16A: 76 luminaires

### Lamp

Module connected wattage	3 W
Luminaire connected wattage	4.3 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 45^{\circ}\text{C}$

On request we can offer you modifications for environments with higher temperatures as a customized product.

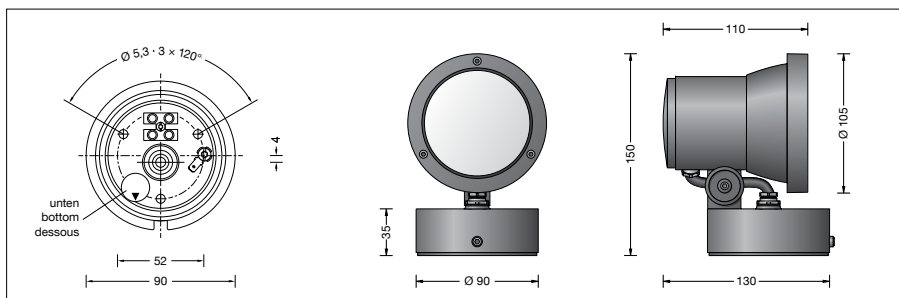
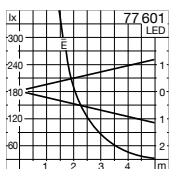
### 77 601 K4

Module designation	LED-0488/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	460 lm
Luminaire luminous flux	358 lm
Luminaire luminous efficiency	83,3 lm/W

### 77 601 K3

Module designation	LED-0488/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	445 lm
Luminaire luminous flux	346 lm
Luminaire luminous efficiency	80,5 lm/W

### Light distribution



### Service life · Ambient temperature

Rated temperature  $t_a = 25^{\circ}\text{C}$   
 LED psu: > 50,000 h  
 LED module: > 200,000 h (L 80 B 50)  
 100,000 h (L 90 B 50)

Ambient temperature  $t_{a\text{max}} = 45^{\circ}\text{C}$  (100 %)  
 LED psu: 50,000 h  
 LED module: > 200,000 h (L 80 B 50)  
 100,000 h (L 90 B 50)

### Lighting technology

Symmetrical narrow beam light distribution.  
 Half beam angle 30°  
 By changing the diffuser lense it is possible to alter the symmetrical light distribution into a flat beam light distribution.  
 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 are available on the BEGA website at [www.bega.com](http://www.bega.com).

### Article No. 77 601

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**

### Accessories

**70 755** Shield  
**70 050** Exchangeable lens flat beam

For the accessories a separate instructions for use can be provided upon request.