

**BEGA****77 536**

Surface floodlight



Project · Reference number

Date

## Product data sheet

### Application

LED floodlight for flat beam light distribution.  
Floodlight with mounting box for permanent installation on a wall, under a ceiling or on a pillar.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
Safety glass with optical structure  
Silicone gasket  
Reflector made of pure anodised aluminium  
Rotation range of floodlight 350°  
Swivel range -35°/+90°  
Mounting box with 2 fixing holes  
ø 4.5 mm · 67 mm spacing  
2 cable entries for through-wiring of mains supply cable ø 7-10.5 mm, max. 5G 1.5<sup>□</sup>  
Connecting terminal 2.5<sup>□</sup> with plug connection  
Earth conductor connection  
LED power supply unit  
220-240 V ~ 0/50-60 Hz  
DC 170-280 V  
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 IK07  
Protection against mechanical impacts < 2 joule  
 – Safety mark  
 – Conformity mark  
Wind catching area: 0.022 m<sup>2</sup>  
Weight: 1.6 kg

### Lamp

Module connected wattage	17.6 W
Luminaire connected wattage	20.5 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$

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

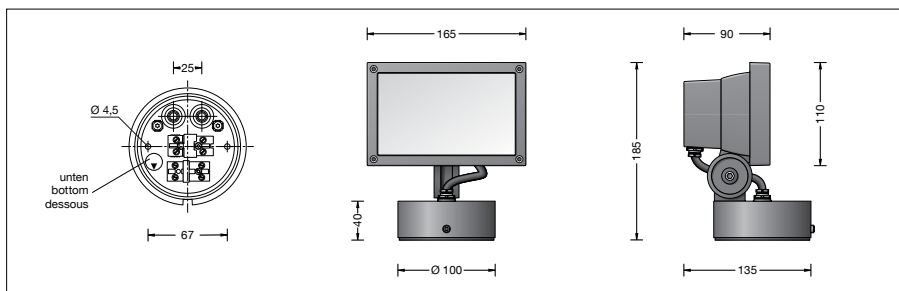
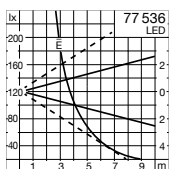
### 77 536 K4

Module designation	LED-0313/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	2940 lm
Luminaire luminous flux	2174 lm
Luminaire luminous efficiency	106 lm/W

### 77 536 K3

Module designation	LED-0313/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	2780 lm
Luminaire luminous flux	2056 lm
Luminaire luminous efficiency	100,3 lm/W

### Light distribution



### Service life of the LED

Ambient temperature  $t_a = 25\text{ °C}$   
– at > 500,000h: L70B50

max. ambient temperature  $t_a = 45\text{ °C}$   
– at 150,000h: L70B50

### Light technique

Floodlight with flat beam light distribution.  
Half beam angle 29/86°

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).

### Inrush current

Inrush current: 5 A / 50  $\mu$ s

Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	31 luminaires
B 16A:	50 luminaires
C 10A:	52 luminaires
C 16A:	85 luminaires

### Article No. 77 536

LED colour temperature optionally 4000 K or 3000 K

4000 K – Article number + **K4**  
3000 K – Article number + **K3**

Colour optionally graphite, white or silver

Graphite – Article number  
White – Article number + **W**  
Silver – Article number + **A**

### Accessories

#### 70 500 Shield

The attachable shield screens the light upwards or downwards.

A separate instructions for use can be provided upon request.