

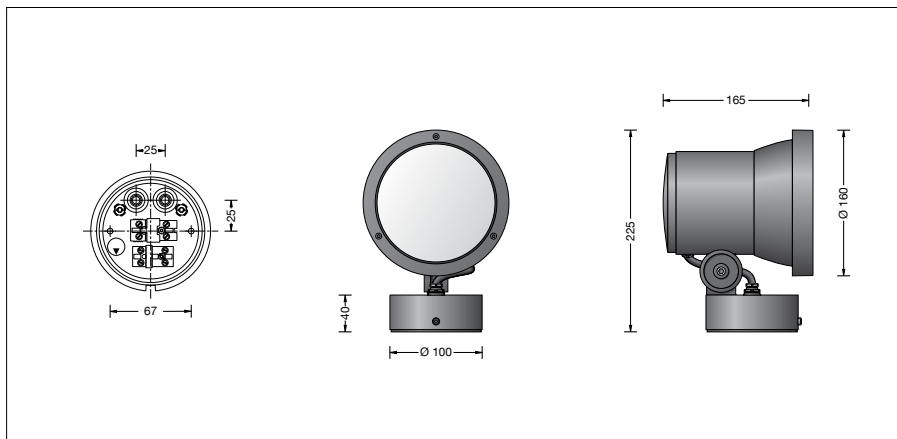
**BEGA****77 700**

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  
Clear safety glass  
Silicone gasket  
Reflector made of pure anodised aluminium  
Stray light lens tube with integral glass lens  
Rotation range of floodlight 350°  
Swivel range -15°/+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 176-276 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 IK06  
Protection against mechanical impacts < 1 joule  
 – Safety mark  
**CE** – Conformity mark  
Wind catching area: 0.022 m<sup>2</sup>  
Weight: 2.3 kg

**Lamp**

Module connected wattage 12.5 W  
Luminaire connected wattage 15 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.

**77 700 K4**

Module designation LED-0724/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 1960 lm  
Luminaire luminous flux 1111 lm  
Luminaire luminous efficiency 74,1 lm/W

**77 700 K3**

Module designation LED-0724/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 1900 lm  
Luminaire luminous flux 1077 lm  
Luminaire luminous efficiency 71,8 lm/W

**Lifetime of the LED**

Ambient temperature  $t_a = 25\text{ °C}$   
– at 350,000h: L70B50

max. ambient temperature  $t_a = 45\text{ °C}$   
– at 225,000h: L70B50

**Inrush current**

Inrush current: 12 A / 24.2 μs  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 50 luminaires  
B 16A: 50 luminaires  
C 10A: 50 luminaires  
C 16A: 50 luminaires

**Light technique**

Floodlight with narrow beam rotationally symmetrical light distribution with integrated glass lens for stray light suppression. Half beam angle 9°  
For special lighting tasks the symmetrical light cone can be changed to a flat beam light distribution by an additional the diffuser lens.  
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. 77 700**

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

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

**Accessories**

**70 076** Exchangeable lens flat beam  
**70 757** Shield  
**70 720** Cylindrical shield

A separate instructions for use can be provided upon request.

**Light distribution**