

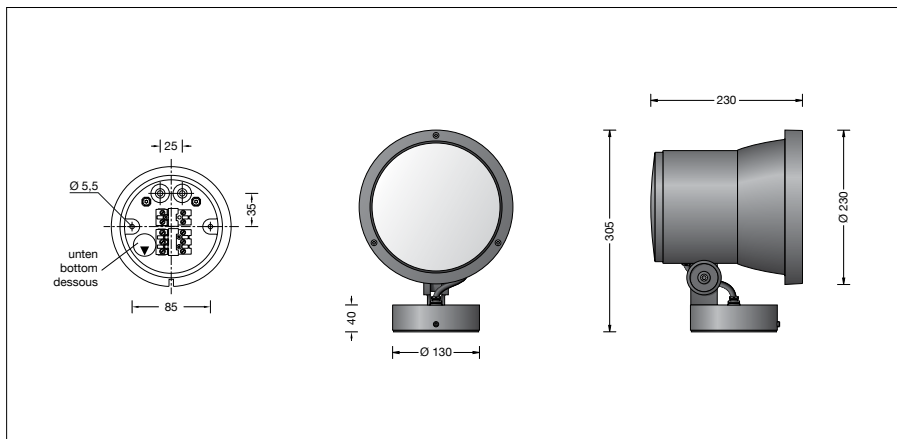
BEGA**77 749**

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.

For a variety of interior and exterior lighting applications.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 Clear safety glass
 Silicone gasket
 Reflector made of pure anodised aluminium
 Rotation range of floodlight 350°
 Swivel range -20°/+90°
 Mounting box with 2 fixing holes
 ø 5.5 mm · 85 mm spacing
 2 cable entries for through-wiring of mains supply cable ø 7-10.5 mm, max. 5G 1.5[□]
 Connecting terminal 2.5[□] with plug connection
 Earth conductor connection
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 176-280 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
CE – Conformity mark
 – Safety mark
 Wind catching area: 0.05 m²
 Weight: 4.8 kg

Lamp

Module connected wattage	71.1 W
Luminaire connected wattage	77.2 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a,max} = 30\text{ °C}$

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

77 749 K4

Module designation	LED-0442/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	10710 lm
Luminaire luminous flux	7878 lm
Luminaire luminous efficiency	102 lm/W

77 749 K3

Module designation	LED-0442/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	10550 lm
Luminaire luminous flux	7761 lm
Luminaire luminous efficiency	100,5 lm/W

Service life of the LED

Ambient temperature $t_a = 25\text{ °C}$
 – at 220,000h: L70 B50

max. ambient temperature $t_a = 30\text{ °C}$
 – at 200,000h: L70 B50

Inrush current

Inrush current: 50 A / 209 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	6 luminaires
B 16A:	10 luminaires
C 10A:	10 luminaires
C 16A:	16 luminaires

Light technique

Symmetrical wide beam light distribution
 Half beam angle 50°
 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.

Article No. 77 749

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

70 758 Shield
70 065 Exchangeable lens flat beam

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

Light distribution