

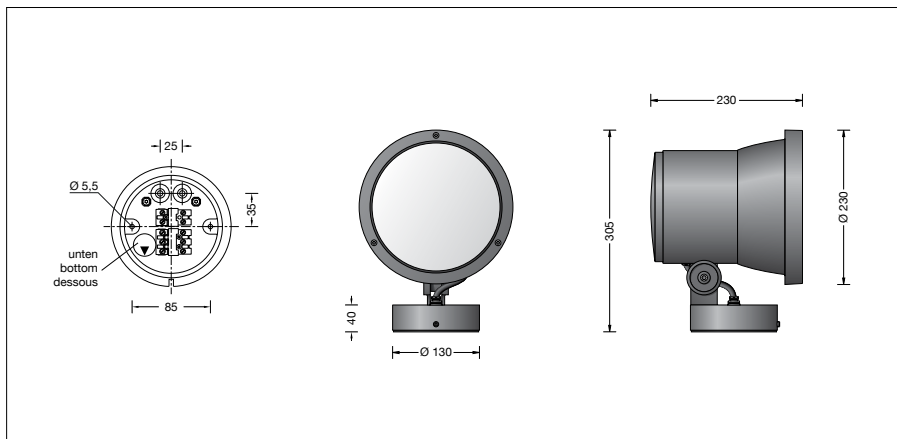
BEGA**77 689**

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
 BEGA Unidure® coating technology
 Clear safety glass
 Silicone gasket
 Reflector made of pure anodised aluminium
 Swivel range $-20^{\circ}/+90^{\circ}$
 Mounting box with 2 fixing holes
 $\varnothing 5.5 \text{ mm} \cdot 85 \text{ mm}$ spacing
 2 cable entries for through-wiring of mains supply cable $\varnothing 7\text{-}10.5 \text{ mm}$, max. 5G 1.5[□]
 Connecting terminal 2.5[□] with plug connection
 Earth conductor connection
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 170-276 V
 DALI controllable
 A basic isolation exists between power cable and control line
 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
CE – Conformity mark
 Wind catching area: 0.05 m²
 Weight: 4.4 kg

Lamp

Module connected wattage	46.7 W
Luminaire connected wattage	52.5 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a \text{ max}} = 30^{\circ}\text{C}$

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

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Module designation	LED-0785/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	6610 lm
Luminaire luminous flux	4617 lm
Luminaire luminous efficiency	87,9 lm/W

77 689 K3

Module designation	LED-0785/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	6510 lm
Luminaire luminous flux	4547 lm
Luminaire luminous efficiency	86,6 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000h
LED module:	150,000h (L80B50)

Ambient temperature $t_{a \text{ max}} = 30^{\circ}\text{C}$ (100 %)	
LED psu:	50,000h
LED module:	140,000h (L80B50)

Inrush current

Inrush current: 20 A / 400 μs
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	9 luminaires
B 16A:	15 luminaires
C 10A:	16 luminaires
C 16A:	25 luminaires

Light technique

Broad spread light distribution.
 Half beam angle 51°
 By changing the diffuser lens it is possible to alter the symmetrical light distribution into a flat beam light distribution.

Article No. 77 689

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

70 065 Exchangeable lens flat beam
70 758 Shield

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

Light distribution