

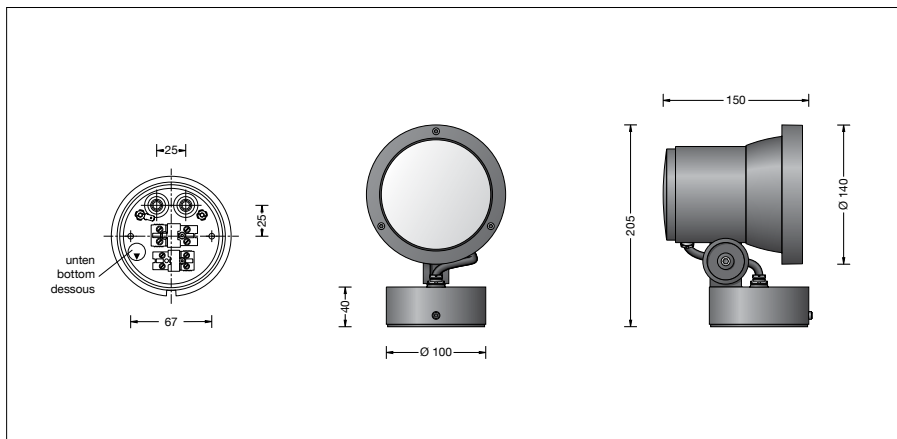
BEGA**77 681**

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
 Silicone gasket
 Reflector made of pure anodised aluminium
 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[□]
 Connecting terminal 2.5[□] 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
 BEGA Thermal Control®
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
 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: 0.018 m²
 Weight: 1.6 kg

Lamp

Module connected wattage 9.8 W
 Luminaire connected wattage 11.8 W
 Rated temperature $t_a = 25\text{ °C}$
 Ambient temperature $t_{a\text{max}} = 50\text{ °C}$

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Module designation LED-0978/940
 Colour temperature 4000 K
 Colour rendering index CRI >90
 Module luminous flux 1520 lm
 Luminaire luminous flux 1130 lm
 Luminaire luminous efficiency 95,8 lm/W

77 681 K3

Module designation LED-0978/930
 Colour temperature 3000 K
 Colour rendering index CRI >90
 Module luminous flux 1495 lm
 Luminaire luminous flux 1112 lm
 Luminaire luminous efficiency 94,2 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
 LED psu: > 50,000 h
 LED module: > 200,000 h (L80 B50)

Ambient temperature $t_{a\text{max}} = 50\text{ °C}$ (100 %)

LED psu: 50,000 h
 LED module: 180,000 h (L80 B50)

Inrush current

Inrush current: 4 A / 30 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

Lighting technology

Symmetrical narrow beam light distribution.
 Half beam angle 30°
 By changing the diffuser lens 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.

Article No. 77 681

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

70 756 Shield
70 760 Louvre
70 055 Exchangeable lens flat beam

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

Light distribution