

BEGA**84 507**

Surface floodlight



Project · Reference number

Date

Product data sheet

Application

LED floodlight for broad spread light distribution.
Floodlight with mounting box for permanent installation on a wall, under a ceiling or on a pillar.
The used LED technique offers durability and optimal light output with low power consumption at the same time.

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. 3G1.5[□]
Connecting terminal 2.5[□]
with plug connection
Earth conductor connection
LED power supply unit
220-240 V ~ 0/50-60 Hz
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 m²
 Weight: 1.5 kg

Inrush current

Inrush current: 27 A / 250 µs
 Maximum number of luminaires of this
 type per miniature circuit breaker:
 B 10A: 17 luminaires
 B 16A: 27 luminaires
 C 10A: 28 luminaires
 C 16A: 45 luminaires

Lamp

Module connected wattage	9.8 W
Luminaire connected wattage	12 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$

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

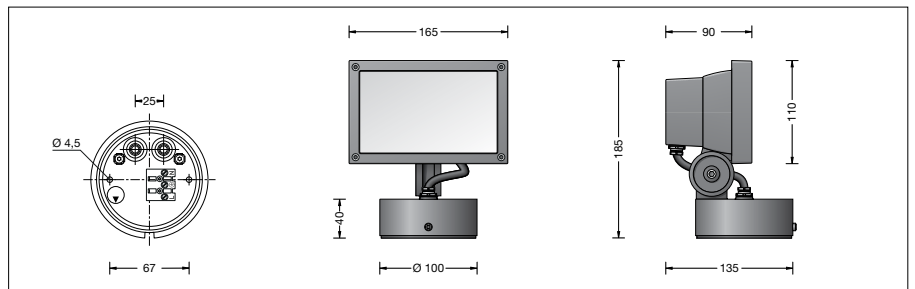
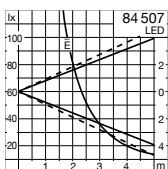
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Module designation	LED-0775/940
Colour temperature	4000 K
Colour rendering index	CRI >90
Module luminous flux	1575 lm
Luminaire luminous flux	1127 lm
Luminaire luminous efficiency	93,9 lm/W

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Module designation	LED-0775/930
Colour temperature	3000 K
Colour rendering index	CRI >90
Module luminous flux	1550 lm
Luminaire luminous flux	1109 lm
Luminaire luminous efficiency	92,4 lm/W

Light distribution



Lifetime of the LED

Ambient temperature $t_a = 15\text{ °C}$
 – at 50,000h: L90B10
 – at > 500,000h: L70B50

Ambient temperature $t_a = 25\text{ °C}$
 – at 50,000h: L90B10
 – at 306,000h: L70B50

max. ambient temperature $t_a = 40\text{ °C}$
 – at 50,000h: L70B10
 – at 125,000h: L70B50

Lighting technology

Half beam angle 80/90°
 Luminaire data for the light planning program
 DIALux for outdoor lighting, street lighting and
 interior lighting as well as luminaire data in
 EULUMDAT and IES format are available on our
 website www.bega.com.

Article No. 84 507

LED colour temperature optionally 4000K
 or 3000K
 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.