

BEGA**84 509**

Surface floodlight



Project · Reference number

Date

Product data sheet

Application

LED floodlight for broad spread light distribution. Floodlight with earthspike, connecting cable and safety plug for portable installation. 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
 Earth spike made of UV-resistant glass - fibre reinforced polyamide synthetic
 Safety glass with optical structure
 Silicone gasket
 Reflector made of pure anodised aluminium
 Swivel range $-35^{\circ}/+90^{\circ}$
 No tools are needed to adjust the operating position
 Factory pre-wired with 5 m connecting cable H05RN-F 3G 1[□] and power plug
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 Safety class I
 Protection class safety plug IP X4
 Protected against splash water
 Protection class luminaire IP 65
 Dusttight and protected against water jets
 Impact strength IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.022 m²
 Weight: 1.6 kg

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.

Lamp

Module connected wattage	9,8 W
Luminaire connected wattage	12 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^{\circ}\text{C}$

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

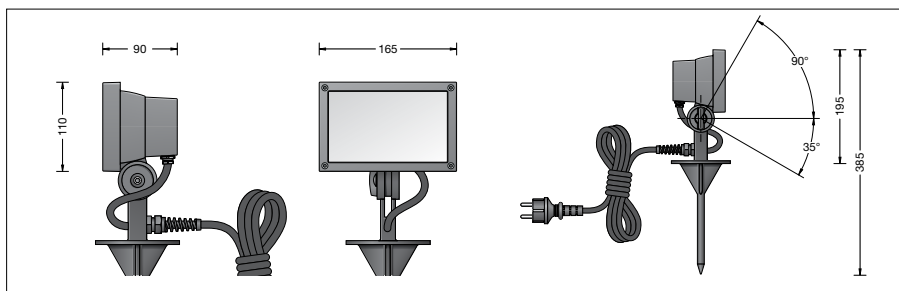
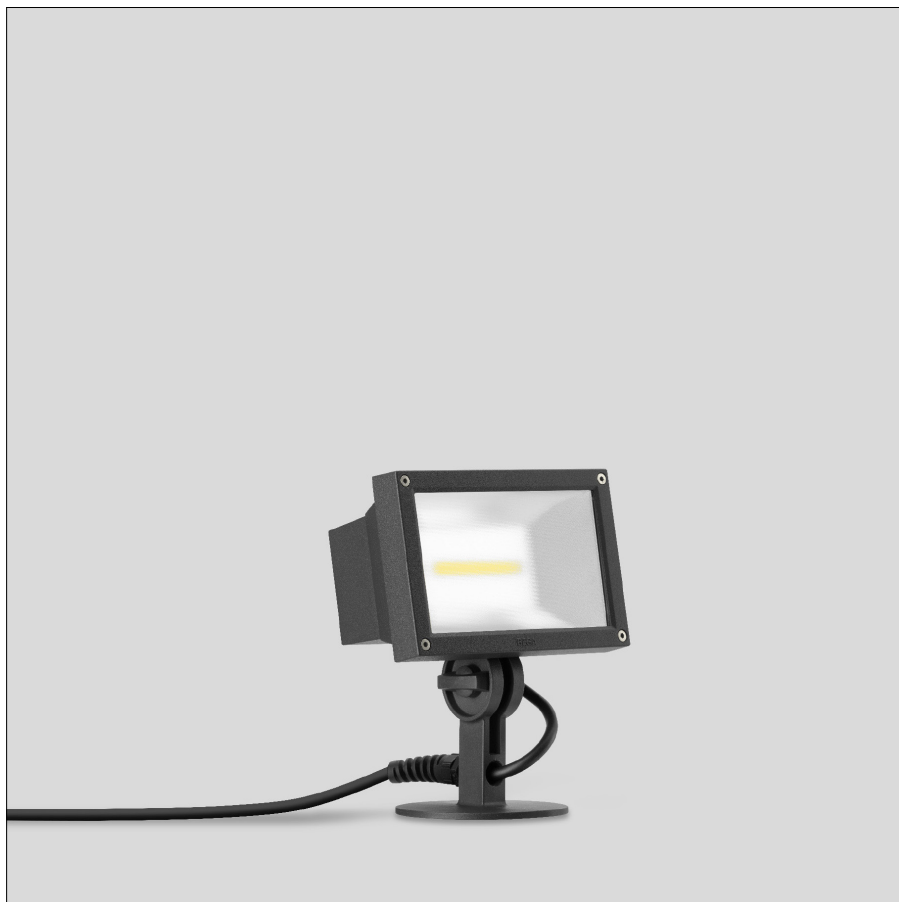
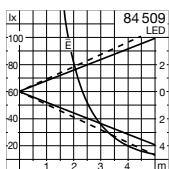
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Module designation	LED-0775/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1575 lm
Luminaire luminous flux	1127 lm
Luminaire luminous efficiency	93,9 lm/W

84 509 K3

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

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

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

Inrush current

Inrush current: 27 A / 250 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 17 luminaires
 B16A: 27 luminaires
 C10A: 28 luminaires
 C16A: 45 luminaires

Article No. 84 509

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

Accessories

Permanent connecting pillar
70 375 with 2 socket outlets
70 376 with 1 socket outlet + 1 switch
70 377 with 4 socket outlets
70 378 with 3 socket outlets + 1 switch
70 500 Shield

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