

BEGA**84 100**

Surface washer



Project · Reference number

Date

Product data sheet

Application

Surface washer with mounting box and outrigger arm for installation on ceilings and walls. With asymmetrical light distribution for illuminating wall-, ceiling-, ground surfaces or advertising boards.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Safety glass
 Reflector surface made of pure aluminium
 Swivel ranges:
 Joint mounting box 0°-180° in steps of 15°
 Joint surface washer: +120°/-60° infinitely
 Mounting box with 2 fixing holes
 ø 6.3 mm · 48 x 160 mm spacing
 2 cable entries for through-wiring of mains supply cable ø 7-10.5 mm, max. 5G1.5[□]
 Connection terminal 2.5[□]
 Earth conductor connection with plug 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
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 – Safety mark
 – Conformity mark
 Weight: 4.6 kg

Lamp

Module connected wattage	19.4 W
Luminaire connected wattage	22.2 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 50\text{ °C}$

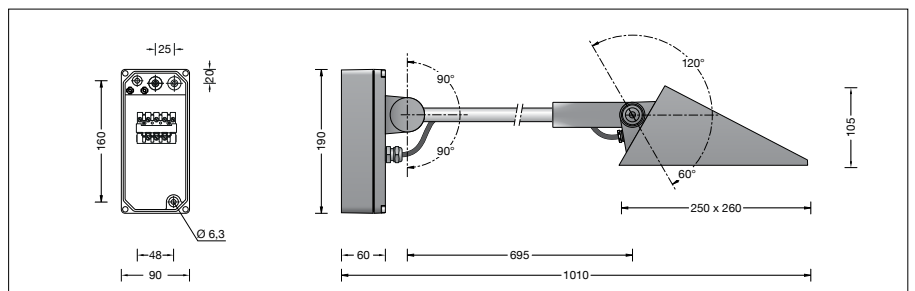
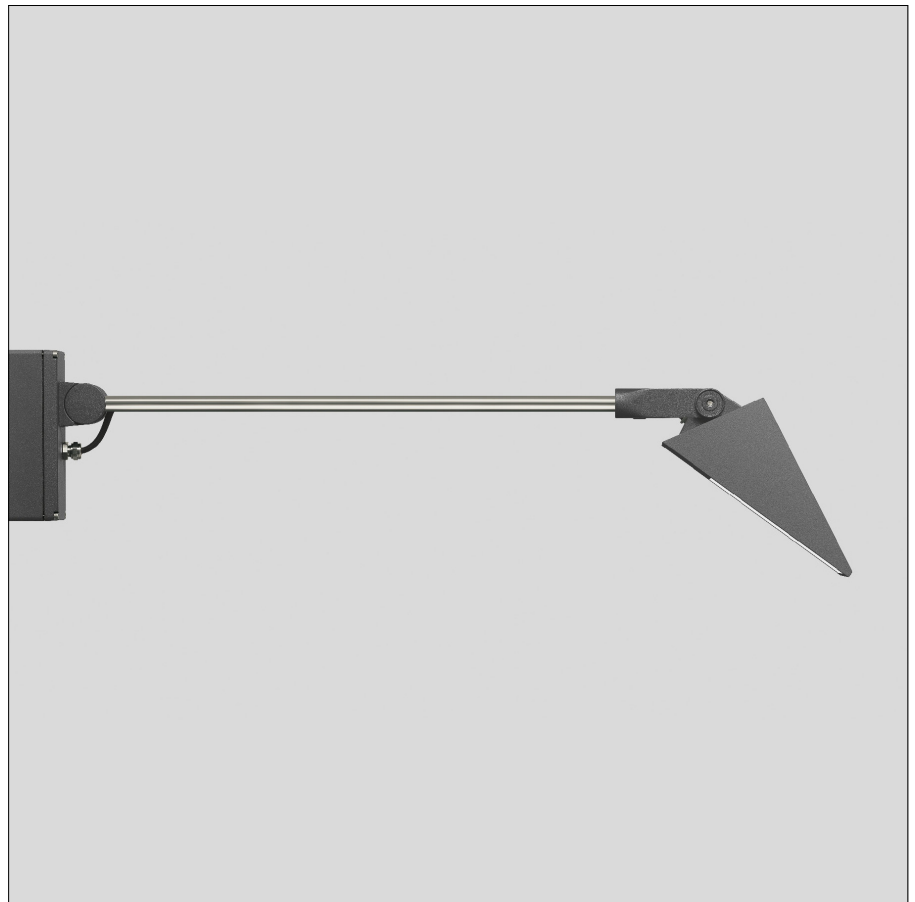
84 100 K4

Module designation	LED-0872/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	3310 lm
Luminaire luminous flux*	2661 lm
Luminaire luminous efficiency*	119,9 lm/W

84 100 K3

Module designation	LED-0872/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	3130 lm
Luminaire luminous flux*	2516 lm
Luminaire luminous efficiency*	113,3 lm/W

* preliminary data



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000h
LED module:	> 200,000h (L80B50) 100,000h (L90B50)

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (100 %)	
LED psu:	50,000h
LED module:	91,000h (L80B50) 100,000h (L70B50)

Light technique

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 you will find on the BEGA web page www.bega.com.

Inrush current

Inrush current: 12 A / 24.2 μ s
 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

Article No. 84 100

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

Colour graphite or silver
 graphite – article number
 silver – article number + **A**

Light distribution

