

BEGA**84 605**

Garden and pathway luminaire



Project · Reference number

Date

Product data sheet

Application

Garden and path luminaire with unshielded light. Trellised luminaire with square layout and thick-walled crystal glass for effective illumination in private gardens.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Crystal glass with optical structure
 Silicone gasket
 Luminaire with anchorage unit for fixing in the soil
 The anchorage unit is made of galvanised steel according to EN ISO 1461
 Line connector for mains supply cable up to \varnothing 13 mm · max. 3 x 2,5²
 Complies with flicker requirements in accordance with IEEE 1789, DIN IEC/TR 63158, DIN IEC/TR 61547-1
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 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 IK06
 Protection against mechanical impacts < 1 joule
 – Safety mark
 – Conformity mark
 Weight: 5,2 kg
 This product contains light sources of energy efficiency class(es) C

Inrush current

Inrush current: 6,8 A / 133 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 93 luminaires
 B 16A: 150 luminaires
 C 10A: 156 luminaires
 C 16A: 250 luminaires

Lamp

Module connected wattage	2.9 W
Luminaire connected wattage	4 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 60^\circ\text{C}$

84 605 K3

Module designation	LED-0280/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	565 lm
Luminaire luminous flux	351 lm
Luminaire luminous efficiency	87,8 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50)
	100,000 h (L 90 B 50)
Ambient temperature max. $t_a = 60^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	190,000 h (L 80 B 50)

Lighting technology

Luminaire data for the DIALux lighting design program 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.
 Recommended light point interval 5.5 m

Ratio of luminous flux

Luminous flux upper half-space	60,2 %
Luminous flux lower half-space	39,8 %

BUG rating according to IES TM-15-07:
 0–3–1

CEN Flux Code according to EN 13032-2:
 10–35–66–40–100–23–51–77–60

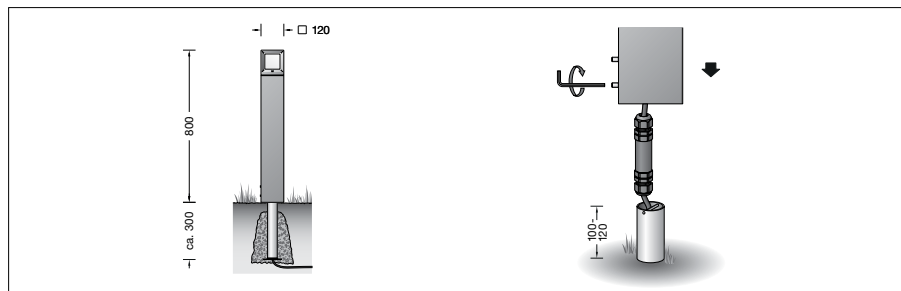
Accessories

70 730 Distribution box for installation in soil with 7 cable entries
 Connection terminals 5 x 4²

See the separate instructions for use.

Article No. 84 605

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



Light distribution

