

BEGA**84 126**

Light building element



Project · Reference number

Date

Product data sheet

Application

Light building element with flat beam light distribution.

Product description

The luminaire consists of aluminium profiles, cast aluminium and stainless steel
 Safety glass with optical structure
 Silicone gasket
 Reflector made of pure anodised aluminium
 Attack angle adjustable 0° or 10°
 Optional luminaire with anchorage unit or mounting base 70 833 made of hot-dip galvanised steel according to EN ISO 1461
 Anchorage unit with
 2 cable entries 50 × 150 mm
 Mounting base with 4 elongated holes
 Width 18 mm · 240 × 240 mm spacing
 With inserted door made of die cast aluminium
 Square door latch (wrench size 8 mm)
 Connection box 70 629
 for through-wiring – for 2 cables up to 5 × 10² with two fuses Neozed D 01 · 6 A
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 176-264 V
 During DC operation the LED power is reduced to 50 %
 Dimmable 1-10 V
 A basic isolation exists between power cable and control line
 Luminaire: Protection class IP 65
 Dust-tight and protection against water jets
 Safety class I
 Impact strength IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.89 m²
 Weight: 38.0 kg

Lamp

Module connected wattage	38.8 W
Luminaire connected wattage	43.1 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$

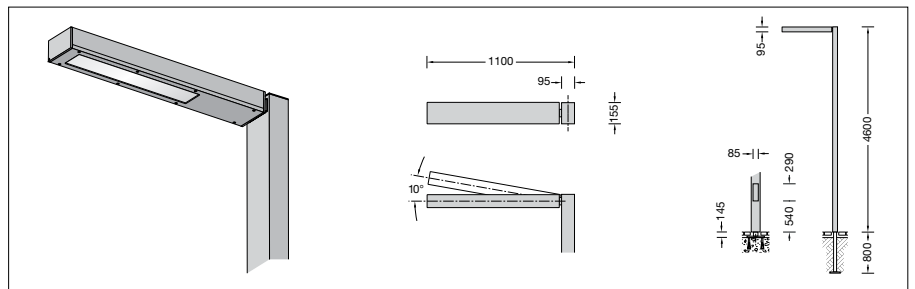
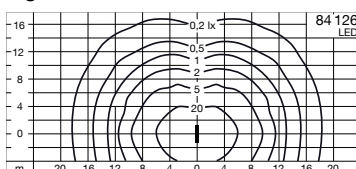
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Module designation	4x LED-0147/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	7720 lm
Luminaire luminous flux	5056 lm
Luminaire luminous efficiency	117,3 lm/W

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Module designation	4x LED-0147/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	7520 lm
Luminaire luminous flux	4919 lm
Luminaire luminous efficiency	114,1 lm/W

Light distribution



Service life of the LED

Ambient temperature $t_a = 25\text{ °C}$
 – at > 500,000h: L70B50

max. ambient temperature $t_a = 40\text{ °C}$
 – at 351,000h: L70B50

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (85 %)
 LED psu: 50,000h
 LED module: 50,000h

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Inrush current

Inrush current: 5 A / 100 μs
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 27 luminaires
 B 16A: 44 luminaires
 C 10A: 27 luminaires
 C 16A: 44 luminaires

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.

Article No. 84 126

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**