

BEGA**88 977**

Light building element



Project · Reference number

Date

Product data sheet

Application

Light building element with flat beam light distribution.

The used LED technique offers durability and optimal light output with low power consumption at the same time.

Product description

Luminaire made of aluminium profiles, aluminium alloy 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
 Door latch – square spanner wrench size 8 mm
 Connection box 70 629
 for through-wiring – for 3 cables up to 5 × 10³ with two fuses Neozed D 01 · 6 A
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 176-264 V
 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

Inrush current

Inrush current: 5 A / 100 μs

Maximum number of luminaires of this type per miniature circuit breaker:

B10A: 27 luminaires

B16A: 44 luminaires

C10A: 27 luminaires

C16A: 44 luminaires

Lamp

Module connected wattage 19.2 W
 Luminaire connected wattage 23 W
 Rated temperature $t_a = 25^\circ\text{C}$
 Ambient temperature $t_{a\text{ max}} = 65^\circ\text{C}$

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Module designation 4x LED-0147/840
 Colour temperature 4000 K
 Colour rendering index $R_a > 80$
 Module luminous flux 3800 lm
 Luminaire luminous flux 2403 lm
 Luminaire luminous efficiency 104,5 lm/W

88 977 K3

Module designation 4x LED-0147/830
 Colour temperature 3000 K
 Colour rendering index $R_a > 80$
 Module luminous flux 3720 lm
 Luminaire luminous flux 2352 lm
 Luminaire luminous efficiency 102,3 lm/W

Lifetime of the LED

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

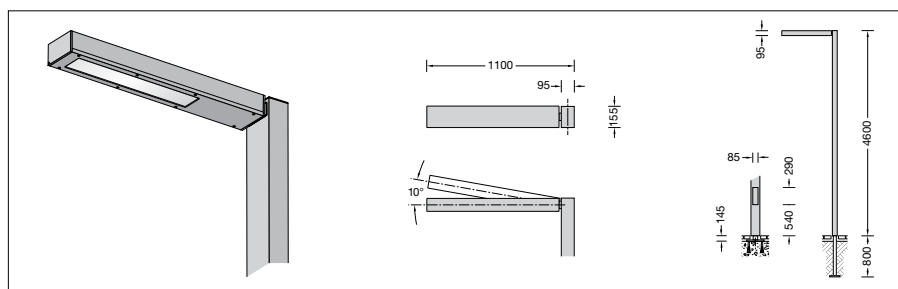
Ambient temperature $t_a = 25^\circ\text{C}$
 – at 50,000h: L90B10
 – at > 500,000h: L70B50

max. ambient temperature $t_a = 65^\circ\text{C}$
 – at 50,000h: L80B10
 – at 165,000h: L70B50

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Colour temperature 4000 K.
 Also available with 3000 K on request.
 4000 K – article number
 3000 K – article number + **K3**

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

**Light distribution**