BEGA

77 786

Light design element

IP 65

Project · Reference number

Date

Product data sheet

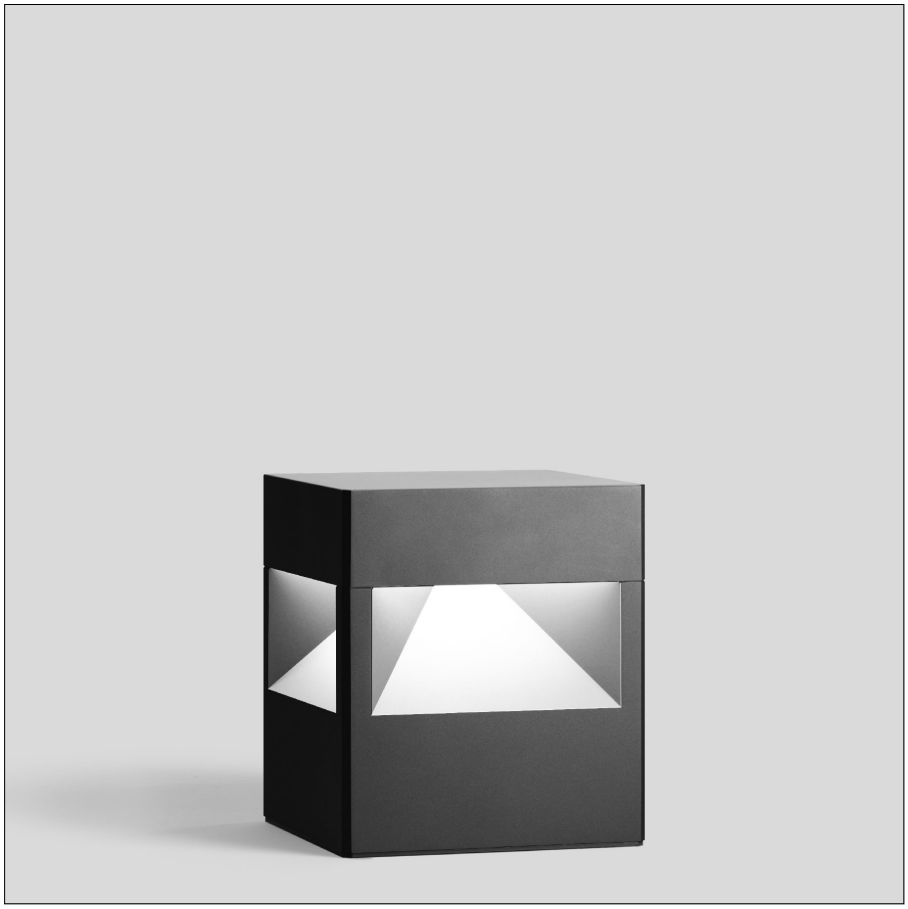
Application
Shielded luminaire with four-sided light output and low mounting height.
Extremely robust luminaire with high protection class. A luminaire with indicating, directing or demarcating function for private and public areas.

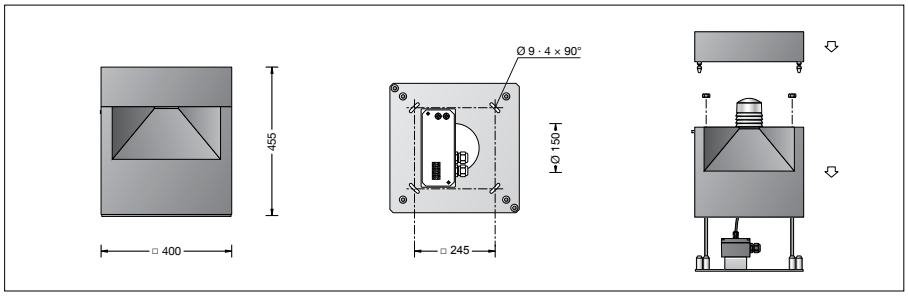
Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Optical cylindrical lens made of crystal glass
Luminaire with mounting plate made of hot-dip galvanised steel according to EN ISO 1461 for bolting onto a foundation with 4 elongated holes
Width 9 mm · 245 x 245 mm spacing
Connection box with cable entries for through-wiring of mains supply cable up to ø 18 mm max. 5 × 2.5□
Connecting terminal 5 × 4□
LED power supply unit
220-240 V ∼ 0/50-60 Hz
DC 176-280 V
DALI controllable
A basic isolation exists between power cable and control line
BEGA Thermal Control®
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK10
Protection against mechanical impacts < 20 joule
– Safety mark
CE – Conformity mark
Weight: 25.2 kg

Lamp

Module connected wattage	15.2 W
Luminaire connected wattage	17.8 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 40 °C

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





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Module designation	4x LED-0217/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3020 lm
Luminaire luminous flux	792 lm
Luminaire luminous efficiency	44,5 lm/W

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Module designation	4x LED-0217/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3120 lm
Luminaire luminous flux	819 lm
Luminaire luminous efficiency	46 lm/W

Service life · Ambient temperature
Rated temperature t_a = 25 °C

LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50)
	100,000 h (L 90 B 50)

Ambient temperature $t_{a\,max}$ = 40 °C (100 %)

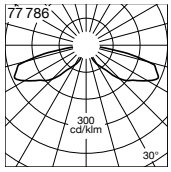
LED psu:	50,000 h
LED module:	178,000 h (L 80 B 50)
	100,000 h (L 90 B 50)

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: 5 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A:	31 luminaires
B 16 A:	50 luminaires
C 10 A:	52 luminaires
C 16 A:	85 luminaires

Article No. 77 786
LED colour temperature optionally 3000 K or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

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

Light distribution