

BEGA**77 764**

Light design element



Project · Reference number

Date

Product data sheet

Application

LED light design element with square profile and four-sided light exit.
Light design elements are luminaires which can define and structure areas in exterior application. They have an orientating, directing and demarcating function.
The used LED technique offers durability and optimal light output with low power consumption at the same time.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
White synthetic diffuser
Silicone gasket
4 mounting holes \varnothing 9 mm
Distance 360 x 360 mm
2 inner screw cable glands complete with cone-thrust collar, gaskets and dummy plugs, suitable for through-wiring of mains supply cable of \varnothing 9 - 15 mm max. 5×2.5^2
Connecting terminal and earth conductor terminal 5×4^2
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-276 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 IK09
Protection against mechanical impacts < 10 joule
 - Safety mark
 - Conformity mark
Weight: 18.7 kg

Lamp

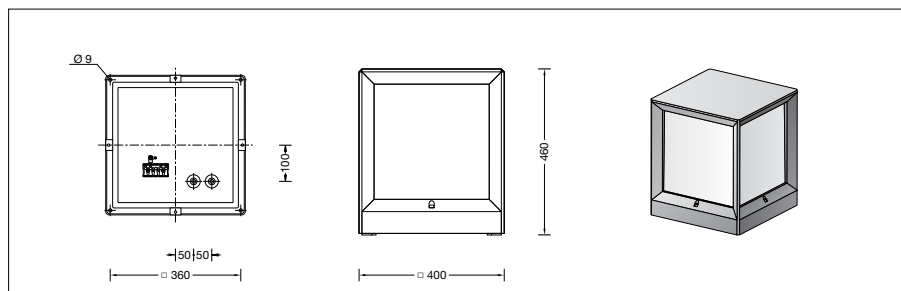
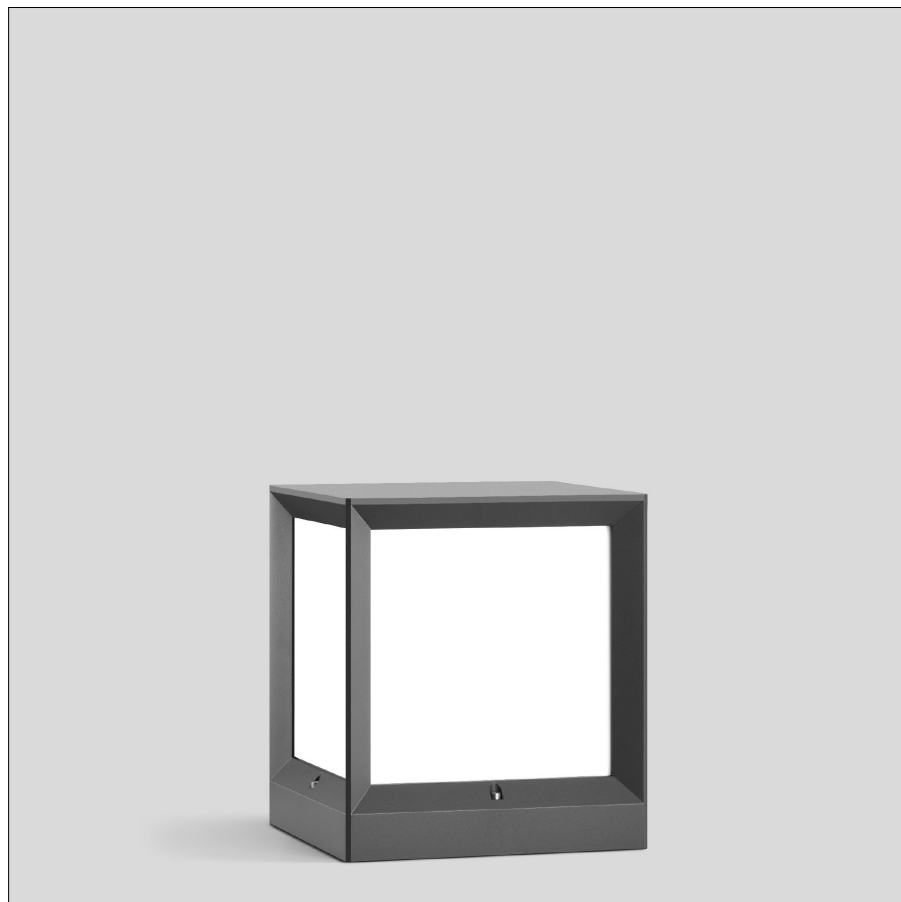
Module connected wattage	16.8 W
Luminaire connected wattage	21.3 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 50^\circ\text{C}$

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Module designation	2xLED-0303/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1960 lm
Luminaire luminous flux	859 lm
Luminaire luminous efficiency	40,3 lm/W

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Module designation	2xLED-0303/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2110 lm
Luminaire luminous flux	925 lm
Luminaire luminous efficiency	43,4 lm/W



Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 100,000 h (L90 B50)

Ambient temperature $t_{a\text{max}} = 50^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	195,000 h (L80 B50)

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 μs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 50 luminaires
B 16 A: 50 luminaires
C 10 A: 50 luminaires
C 16 A: 50 luminaires

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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

