

BEGA**77 744**

Light design element



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 holes \varnothing 9 mm
240 x 240 mm spacing
Connection box with cable entries for through-wiring of mains supply cable up to \varnothing 18 mm max. 5×2.5^2
Connecting terminal 5×4^2
LED power supply unit
220-240 V \sim 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
 – Conformity mark
Weight: 19.1 kg

Lamp

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

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

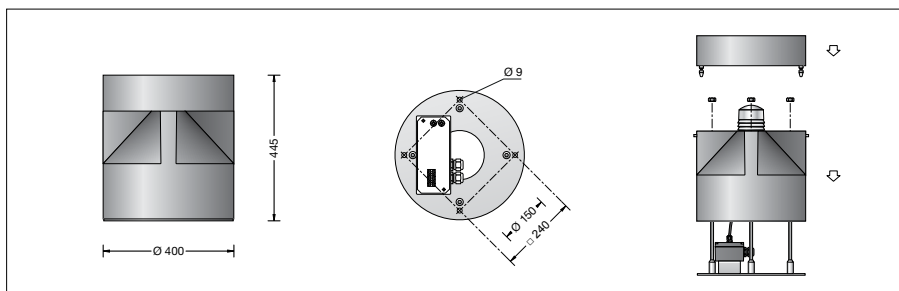
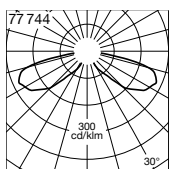
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Module designation	4x LED-0217/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3020 lm
Luminaire luminous flux	803 lm
Luminaire luminous efficiency	45,1 lm/W

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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	829 lm
Luminaire luminous efficiency	46,6 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80B50) 100,000 h (L90B50)

Ambient temperature $t_{a\text{max}} = 40^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	178,000 h (L80B50) 100,000 h (L90B50)

Inrush current

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

B 10A:	31 luminaires
B 16A:	50 luminaires
C 10A:	52 luminaires
C 16A:	85 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. 77 744

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**