BEGA

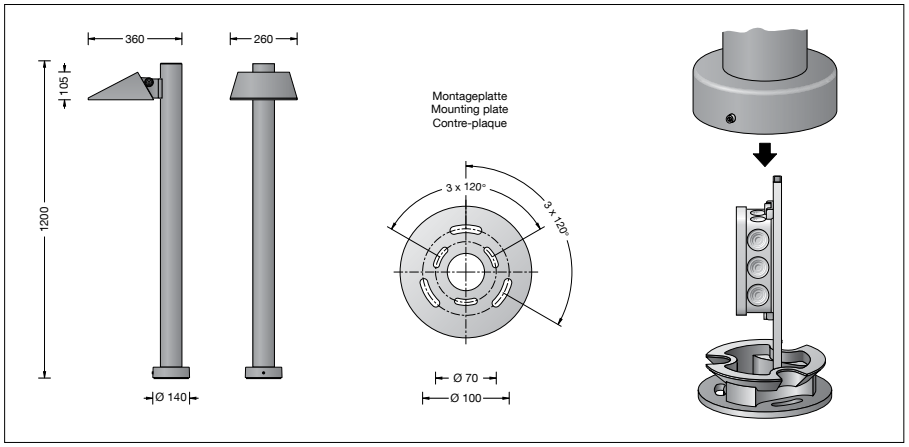
84 304

Bollard

IP 65

Project · Reference number

Date



Product data sheet

Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Matt safety glass
Silicone gasket
Reflector surface made of pure aluminium
Swivel range 90°
Luminaire with mounting plate for bolting onto a foundation or an anchorage unit
Mounting plate with two pitch circles:
ø 70 mm, 3 elongated holes 7 mm wide
ø 100 mm, 3 elongated holes 9 mm wide
Luminaire can be aligned on the mounting plate around 360°
Mounting bracket with connection box for through-wiring of up to 5×2,5□
BEGA Ultimate Driver®
Complies with flicker requirements in accordance with IEEE 1789, DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-276 V
DALI-controllable
Number of DALI addresses: 1
Basic insulation is provided between the mains and control cables
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 IK07
Protection against mechanical impacts < 2 joule
– Safety mark
CE – Conformity mark
Weight: 7.0 kg
This product contains light sources of energy efficiency class(es) C

Application
Bollard with asymmetrical flat beam light distribution for the illumination of smaller driveways and streets as well as paths.
The luminaire housing is adjustable, allowing the light distribution to be adapted to the requirements of the installation site.

Dark Sky
The light from this luminaire is directed evenly and highly efficiently onto the surface to be illuminated. Less than 1 % of the luminaire luminous flux is emitted into the upper half-space of the luminaire.

Lamp

Module connected wattage	13.6 W
Luminaire connected wattage	15.5 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 55 °C

84 304 K3

Module designation	2x LED-0969/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2630 lm
Luminaire luminous flux	2016 lm
Luminaire luminous efficiency	130,1 lm/W

84 304 K4

Module designation	2x LED-0969/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2700 lm
Luminaire luminous flux	2070 lm
Luminaire luminous efficiency	133,5 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 max. t_a = 55 °C (100 %)
LED psu: 50,000 h
LED module: 68,000 h (L 80 B 50)
100,000 h (L 70 B 50)

Lighting technology
Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Inrush current
Inrush current: 1.2 A / 46 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 50 luminaires
B 16 A: 80 luminaires
C 10 A: 50 luminaires
C 16 A: 80 luminaires

Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-07:
1–0*–1
CEN Flux Code according to EN 13032-2:
39–76–96–100–100

* The measured value above 90° including stray light (reflection on the luminaire housing) is U1. However, the luminaire does not emit direct light upwards - due to the upper luminous flux component (less than 0.5%), the value U0 is assigned. Further information on request.

Accessory
70 895 Anchorage unit
with mounting flange made of hot-dip galvanised steel. Total length 400 mm.
3 stainless steel fixing screws M8.
Pitch circle ø 100 mm.

See the separate instructions for use.

Article No. 84 304
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