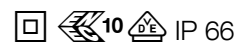


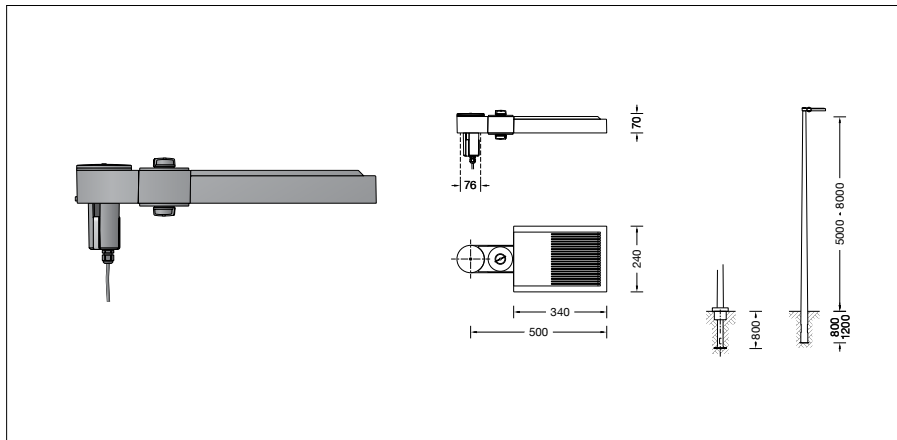
BEGA**84 653**

Pole top luminaire



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite
Safety glass, antireflection-coated
Silicone gasket
Reflector surface made of pure aluminium
For pole top \varnothing 76 mm
Inner diameter of the pole min. 62 / max. 70 mm
Slip fitter insert depth 100 mm
2 built-in interfaces according to
Zhaga Book 18 Ed. 3.0 (Z-LEX-R) with closing
cap in the luminaire head
Connecting cable H05RN-F 2 x 1²
Cable length 8 m
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 \sim 0/50-60 Hz
DC 176-280 V
During DC operation the LED power
is reduced to 15 %
BEGA Thermal Control®
Temporary thermal regulation to protect
temperature-sensitive components without
switching off the luminaire
Safety class II
Protection class IP 66
Dust-tight and protection against strong water
jets
Impact strength IK07
Protection against mechanical
impacts < 2 joule
 – Safety mark
 – Conformity mark
Horizontal wind catching area: 0.035 m²
Weight: 6.4 kg
This product contains light sources of energy
efficiency class(es) C

Application

Pole-top luminaire with two interfaces
for the installation of light management
components in accordance with
Zhaga Book 18 Ed. 3.0 (Z-LEX-R), suitable for
components Zhaga Book 18 Ed. 3.0 (Z-LEX-M),
e.g. Zhaga Air Connector 71 210)
With asymmetrical light distribution for in-depth
illumination of surfaces and squares.
For mounting heights 5000 - 8000 mm.

Dark Sky

The light of this luminaire is directed evenly
and highly efficiently onto the surface to be
illuminated. No light is emitted into the upper
half-space of the luminaire.

Lamp

Module connected wattage	31 W
Luminaire connected wattage	34.5 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 65^\circ\text{C}$

84 653 K3

Module designation	LED-1080/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6020 lm
Luminaire luminous flux	4997 lm
Luminaire luminous efficiency	144,8 lm/W

84 653 K4

Module designation	LED-1080/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6190 lm
Luminaire luminous flux	5138 lm
Luminaire luminous efficiency	148,9 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 max. $t_a = 65^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	41,000 h (L80 B50)
	62,000 h (L70 B50)

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: 24.9 A / 236 μs
Maximum number of luminaires of this
type per miniature circuit breaker:

B 10 A:	12 luminaires
B 16 A:	20 luminaires
C 10 A:	20 luminaires
C 16 A:	33 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:

0–0–1

CEN Flux Code according to EN 13032-2:

35–73–95–100–100

BEGA Constant Optics®

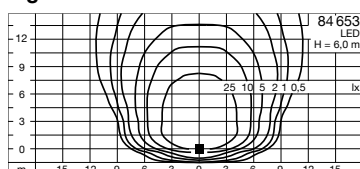
BEGA Constant Optics® is an efficient optical
system that is virtually impervious to wear and
tear. The durable materials used, including
glass, pure aluminium and silicone, show
no effects of ageing, even under extreme
conditions like high temperatures and UV
radiation.

Article No. 84 653

LED colour temperature optionally 3000 K
or 4000 K

3000 K – Article number + **K3**

4000 K – Article number + **K4**

Light distribution

Accessories

Cylindrically stepped aluminium poles,
lacquered with access door and C-clamp

70 902	Pole with baseplate	H 5000 mm
70 904	Pole with baseplate	H 6000 mm
70 903	Pole with anch.section	H 5000 mm
70 905	Pole with anch.section	H 6000 mm

Tapered aluminium poles,
lacquered with access door and C-clamp

70 915	Pole with anch.section	H 5000 mm
70 916	Pole with anch.section	H 6000 mm
70 917	Pole with anch.section	H 7000 mm
70 726	Pole with anch.section	H 8000 mm

Tapered steel poles without visible welding
seam · hot-dip galvanised and lacquered with
access door and C-clamp

70 886	Pole with anch.section	H 5000 mm
70 834	Pole with anch.section	H 6000 mm
70 835	Pole with anch.section	H 7000 mm
70 836	Pole with anch.section	H 8000 mm

Tapered poles made of laminated wood in
accordance with DIN EN 14080 and aluminium
· with access door and C-clamp

71 194	Pole with baseplate	H 5000 mm
71 195	Pole with baseplate	H 6000 mm

Please see the instructions for use of the
luminaire poles for suitable connection boxes.

71 210 Zhaga Air Connector

71 328 Zhaga Motion and light sensor

For the accessories a separate instructions
for use can be provided upon request.