BEGA

84 657

Pole top luminaire

▫ ⧱10 ⬙ IP 66
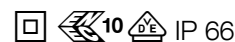
Project · Reference number	Date
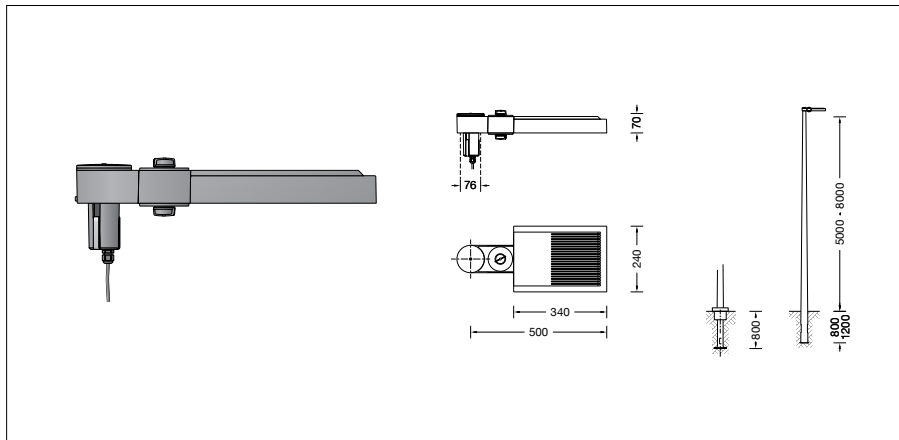
Product data sheet

Product description
Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Safety glass, antireflection-coated
Silicone gasket
Reflector surface made of pure aluminium
For pole top ø 76 m
Inner diameter of the pole min.62 / max.70 mm
Slip fitter insert depth 100 mm
2 built-in interfaces for Zhaga Book 18 (Ed. 2.0)
with closing cap
Connecting cable H05RN-F 2 × 1▫
Cable length 8 m
LED power supply unit
220-240 V ⏦ 0/50-60 Hz
DC 176-280 V
During DC operation the LED power
is reduced to 15 %
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 II ▫
Protection class IP 66
Dust-tight and protection against strong water
jets
Impact strength IK07
Protection against mechanical
impacts < 2 joule
⧱10 ⬙ – Safety mark
CE – Conformity mark
Horizontal wind catching area: 0.035 m²
Weight: 6.4 kg
This product contains light sources of energy
efficiency classes C

Application
Pole-top luminaire with asymmetrical flat beam
light distribution.
The asymmetrical and flat beam light distribution
is suitable especially for the illumination of
streets according to DIN EN 13201.
With two interfaces to accommodate
Zhaga Book 18 (Ed. 2.0) light management
components.
For mounting heights 5000 - 8000 mm.

Lamp
Module connected wattage	31 W
Luminaire connected wattage	34.5 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 65$ °C

84 657 K3
Module designation	2x LED-1078/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6020 lm
Luminaire luminous flux*	4668 lm
Luminaire luminous efficiency*	135,3 lm / W

84 657 K4
Module designation	2x LED-1078/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6190 lm
Luminaire luminous flux*	4800 lm
Luminaire luminous efficiency*	139,1 lm / W

* preliminary data

Service life · Ambient temperature
Rated temperature $t_a = 25$ °C
LED psu: > 50,000 h
LED module: > 200,000 h (L80 B50)
100,000 h (L90 B50)

Ambient temperature max. $t_a = 65$ °C (100 %)
LED psu: 50,000 h
LED module: 53,000 h (L80 B50)
80,000 h (L70 B50)

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

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.

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:
33 – 67 – 95 – 100 – 100

Article No. 84 657
LED colour temperature optionally 3000 K
or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

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.

Light distribution