BEGA

High-performance floodlight

84 503

⧉10 ⌂ IP 67

Project · Reference number	Date
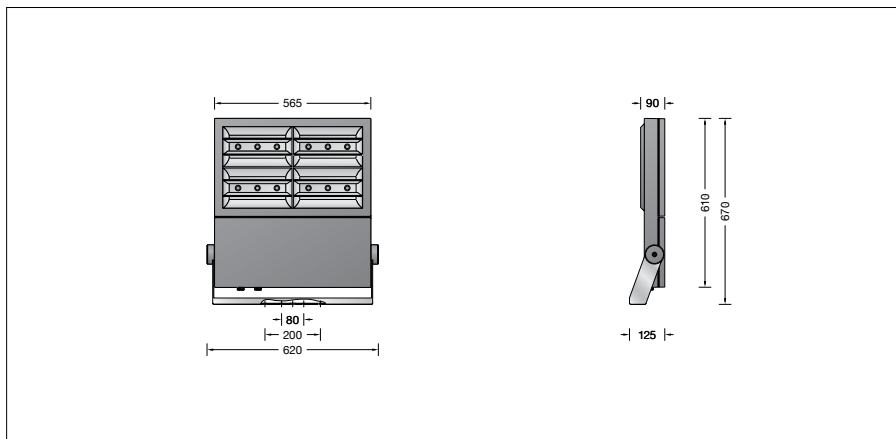
Product data sheet

Product description
Floodlight made of aluminium alloy,
aluminium and stainless steel
Safety glass with optical structure
Silicone gasket
Reflector made of pure anodised aluminium
Swivel range 180°
Mounting bracket made of stainless steel
Steel grade no. 1.4301 with
1 central drilling ø 22 mm and
2 fixing holes ø 9 mm · 80 mm spacing
2 fixing holes ø 11.5 mm · 200 mm spacing
2 screw cable glands with strain relief
for through-wiring of the mains supply cable
from ø 7,5-15 mm
1 screw cable gland closed at the factory with
a dummy plug
Connecting terminal and
earth conductor terminal 2.5▫
Integrated changeover switch for the manually
limitation of the luminous flux or power
reduction via connected control cable with
three adjustable outputs of 70 % · 50 % · 30 %
LED power supply unit
220-240 V ∼ 0/50-60 Hz
DC 176-264 V
DC Start ≥ 198 V
During DC operation the LED power
is reduced to 50 %
DALI controllable
or dimmable 1-10 V
Safety class I
Protection class IP 67
Dust-tight and protection against temporary
immersion
Impact strength IK08
Protection against mechanical
impacts < 5 joule
⧉10 ⌂ – Safety mark
C€ – Conformity mark
Wind catching area: 0.38 m²
Weight: 24.9 kg

Application
LED high-performance floodlight
with flat beam light distribution.

Lamps
Module connected wattage	346.8 W
Luminaire connected wattage	385 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 35$ °C

If the power is reduced, the maximum ambient
temperature will increase to min. 55°C.

84 503 K4
Module designation	4x LED-0674/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	53580 lm
Luminaire luminous flux	39170 lm
Luminaire luminous efficiency	101,7 lm / W

84 503 K3
Module designation	4x LED-0674/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	51960 lm
Luminaire luminous flux	37985 lm
Luminaire luminous efficiency	98,7 lm / W

84 503 K2
Module designation	4x LED-0674/622
Colour temperature	2200 K
Colour rendering index	CRI > 60
Module luminous flux	50640 lm
Luminaire luminous flux	37020 lm
Luminaire luminous efficiency	96,2 lm / W

Service life of the LED
Ambient temperature $t_a = 25$ °C
– at 180,000 h: L70 B50

max. ambient temperature $t_a = 35$ °C
– at 150,000 h: L70 B50

Light technique
Floodlight with flat beam light distribution.
Half beam angle 27/76°
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 are available on the
BEGA website at www.bega.com.

Article No. 84 503
Colour temperature 4000 K.
Also available with 3000 K or 2200K on request.
4000 K – article number + **K4**
3000 K – article number + **K3**
2200 K – article number + **K2**

Accessories
Mounting box and mounting base for
permanent mounting of floodlights on pillars,
walls and ceilings
70 225 Mounting box IP 65
70 348 Mounting box IP 55
70 208 Mounting base h = 120 mm

Pole caps for mounting a floodlight on a pole
70 342 Pole cap for ø 76 mm
70 343 Pole cap for ø 89 mm

Cross beams for floodlights for mounting on
walls, under ceilings or on the floor
70 761 Cross beam for 3 floodlights
71 102 Shield
The shield can be screwed on and prevents
lateral glare from one direction up to an angle
of 45°.

71 103 Louvre
The internal louvre prevents looking from a
lateral angle up to 45° into the luminaire from all
directions.

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

Light distribution