BEGA

High-performance floodlight RGBW

84 550

10 IP 67

Project · Reference number	Date
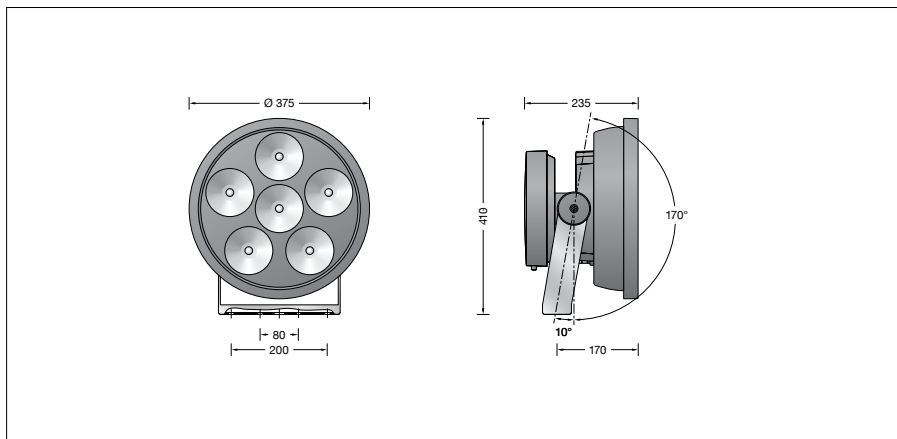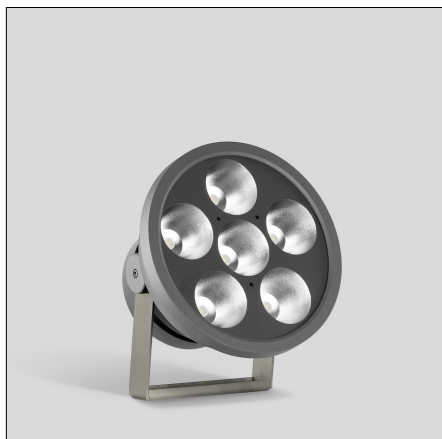
Product data sheet

Application
LED high-performance floodlight
with narrow beam light distribution for additive colour mixing RGBW.
The floodlight can be controlled by DALI colour light control (DT8, RGBWAF, xy).
We recommend our BEGA Control system for this purpose.

Product description
Floodlight made of aluminium alloy, aluminium and stainless steel
Clear safety glass
Silicone gasket
Reflector surface made of pure aluminium
Swivel range -10°/+170°
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
1 screw cable gland for mains supply cable from ø 7,5-15 mm
Integrated changeover switch for the limitation of the luminous flux to 70 % · 50 % · 30 %
LED power supply unit
220-240 V 0/50-60 Hz
DC 176-264 V
DALI controllable
A basic isolation exists between power cable and control line
Safety class I
Protection class IP 67
Dust-tight and protection against temporary immersion
Impact strength IK10
Protection against mechanical impacts < 20 joule
10 – Safety mark
CE – Conformity mark
Wind catching area: 0.12 m²
Weight: 11.6 kg

Lamp
Module connected wattage	120 W
Luminaire connected wattage	132 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 45$ °C
Module designation	6x LED-0869/RGBW
Luminaire luminous flux	8342 lm
Luminaire luminous efficiency	63,2 lm/W

Service life of the LED
Ambient temperature $t_a = 25$ °C
– at   340,000 h: L70 B50

max. ambient temperature $t_a = 45$ °C
– at   230,000 h: L70 B50

Ambient temperature $t_{a\,max} = 50$ °C (80 %)
LED psu: 50,000 h
LED module: 50,000 h

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Lighting technology
Symmetrical narrow beam light distribution.
Half beam angle 17°
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.

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

Outrigger arm for the installation of one floodlight at BEGA steel poles or on walls
70 391   Outrigger arm

Pole caps for mounting 1-2 outrigger arms on top of a steel pole
70 387   Pole cap for pole ø 76 mm
70 388   Pole cap for pole ø 89 mm

Pole top attachments for multi-arrangement of floodlights on a steel pole
70 762   Pole top attach. for 2 floodlights
70 763   Pole top attach. for 3 floodlights
70 764   Pole top attach. for 4 floodlights

Cross beams for floodlights for mounting on walls, under ceilings or on the floor
70 761   Cross beam for 3 floodlights
70 765   Cross beam for 6 floodlights

71 071   Fixing of floodlight

71 110   Shield
The shield can be screwed on and prevents lateral glare from one direction up to an angle of 45°.

71 109   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.