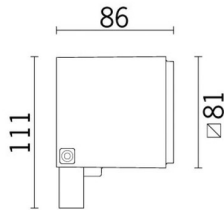
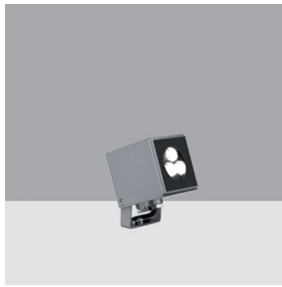


Last information update: June 2018

**Outdoor floodlight - RGB LED - CL III separate driver unit - Flood optic****Product code**

BK28

**Technical description**

Direct light outdoor floodlight, designed to use Red, Green and Blue (RGB) LED lamps, with flood optic. Ground, wall or ceiling installation using special adjustable bracket. The luminaire consists of an optical assembly, rear cap and adjustable bracket. The optical assembly and rear cap are made of die-cast aluminium alloy coated with liquid acrylic paint (grey finish) or textured liquid (white finish) with a high level of resistance to weather and UV rays. Transparent tempered sodium - calcium safety glass with customised grey serigraphy, 4 mm thick, joined to the optical assembly with silicone. Adjustable fixing bracket made of painted aluminium; with a double nickel-plated brass PG11 cable gland, suitable for power cables  $\varnothing$  6.5-11 mm. For electrical connection the product has a plastic box with three 2-pin quick-coupling terminals for cables with max. cross-section 4 mm<sup>2</sup>. Electronic circuit with red, green and blue (RGB) multichip LEDs, optics with lens made of thermoplastic material (methacrylate) and a black polycarbonate multi-groove ring for visual comfort. Control gear to be ordered separately (driver unit code 9586). All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

**Installation**

Ground, wall or ceiling installation using special bracket. Secure using screw anchors for concrete, cement and solid brick.

**Dimension (mm)**

81x81x86

**Colour**

White (01) | Grey (15)

**Weight (Kg)**

0.86

**Mounting**

free standing

**Wiring**

Control gear to be ordered separately (Driver Unit code 9586, Vin=220-240V ac 50/60Hz). Polyamide PG11 double cable gland for pass-through wiring, suitable for power cables  $\varnothing$  6.5-11 mm. Available for electrical connection: Sealed connector kit IP68 (9581), IP67 box for Driver Unit (BZ33)

**Notes**

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Product configuration: BK28****Product characteristics**

Total lighting output [Lm]: 67  
Total power [W]: 4.3  
Luminous efficacy [Lm/W]: 15.5  
Life Time: 100,000h - L80 - B20 (Ta 25°C)  
Ambient temperature range: from -20°C to +35°C.

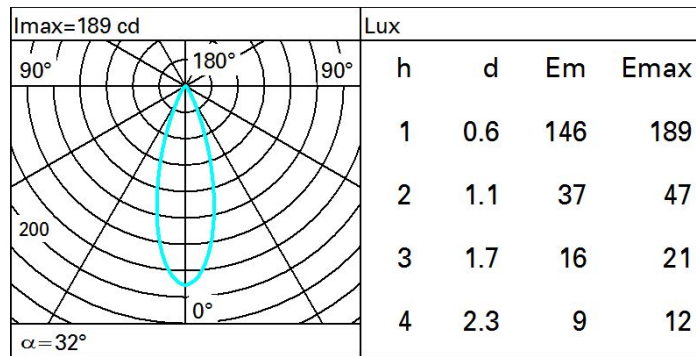
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Life Time: 100,000h - L80 - B20 (Ta 40°C)  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

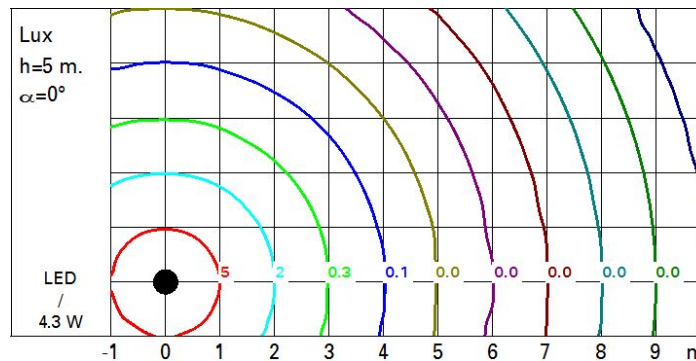
Light Output Ratio (L.O.R.) [%]: 37  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 4  
Nominal luminous [Lm]: 180  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 32°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 0.3  
Colour temperature [K]: /  
CRI: /  
Wavelength [nm]: /  
MacAdam Step: /

### Polar



### Isolux



### UGR diagram

Corrected UGR values (at 180 lm bare lamp luminous flux)											
Reflect.:											
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	3.6	4.2	3.9	4.4	4.6	3.6	4.2	3.9	4.4	4.6
	3H	3.5	4.0	3.8	4.3	4.6	3.5	4.1	3.9	4.3	4.6
	4H	3.5	4.0	3.8	4.3	4.6	3.5	4.0	3.8	4.3	4.6
	6H	3.5	3.9	3.8	4.2	4.6	3.4	3.9	3.8	4.2	4.5
	8H	3.4	3.9	3.8	4.2	4.5	3.4	3.8	3.7	4.1	4.5
	12H	3.4	3.8	3.8	4.1	4.5	3.3	3.8	3.7	4.1	4.5
4H	2H	3.5	4.0	3.8	4.3	4.6	3.5	4.0	3.8	4.3	4.6
	3H	3.4	3.9	3.8	4.2	4.5	3.5	3.9	3.8	4.2	4.6
	4H	3.4	3.8	3.8	4.2	4.5	3.4	3.8	3.8	4.2	4.5
	6H	3.4	3.7	3.8	4.1	4.6	3.4	3.7	3.8	4.1	4.5
	8H	3.4	3.7	3.8	4.1	4.5	3.3	3.6	3.8	4.1	4.5
	12H	3.3	3.6	3.8	4.0	4.5	3.3	3.6	3.7	4.0	4.4
8H	4H	3.3	3.6	3.8	4.1	4.5	3.4	3.7	3.8	4.1	4.5
	6H	3.3	3.6	3.8	4.0	4.5	3.3	3.6	3.8	4.0	4.5
	8H	3.3	3.5	3.8	4.0	4.5	3.3	3.5	3.8	4.0	4.5
	12H	3.2	3.4	3.7	3.9	4.4	3.2	3.4	3.7	3.9	4.4
12H	4H	3.3	3.6	3.7	4.0	4.4	3.3	3.6	3.8	4.0	4.5
	6H	3.3	3.5	3.8	4.0	4.5	3.3	3.5	3.7	3.9	4.4
	8H	3.2	3.4	3.7	3.9	4.4	3.2	3.4	3.7	3.9	4.4
Variations with the observer position at spacing:											
S =		1.0H                      3.4 / -4.0					3.4 / -4.0				
		1.5H                      5.8 / -5.6					5.8 / -5.6				
		2.0H                      7.8 / -8.3					7.8 / -8.3				