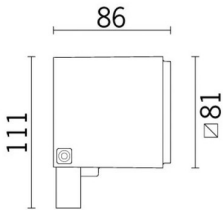


Last information update: October 2024

Product configuration: BK28

BK28: Outdoor floodlight LED - CL III separate driver unit - Flood optic

**Product code**

BK28: Outdoor floodlight LED - CL III separate driver unit - Flood optic

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 mm². 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.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

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

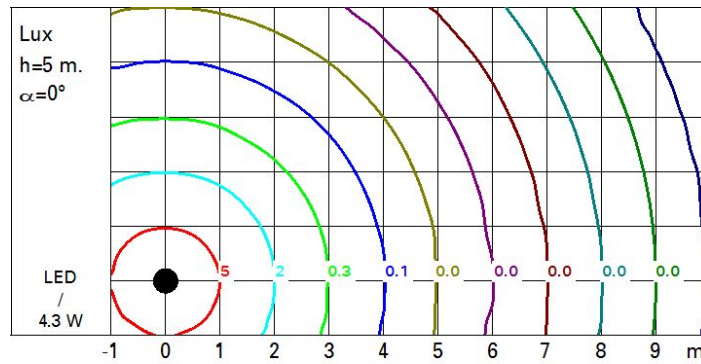
**Technical data**

lm system:	67	Colour temperature [K]:	RGB
W system:	4.3	Life Time LED 1:	100,000h - L80 - B20 (Ta 25°C)
lm source:	180	Life Time LED 2:	100,000h - L80 - B20 (Ta 40°C)
W source:	4	Lamp code:	LED
Luminous efficiency (lm/W, real value):	15.5	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	37	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	32°	LED current [mA]:	87

Polar

Imax=189 cd		Lux			
h	d	Em	Emax		
1	0.6	146	189		
2	1.1	37	47		
3	1.7	16	21		
4	2.3	9	12		

Isolux



UGR diagram

Corrected UGR values (at 180 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav											
walls											
work pl.											
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					