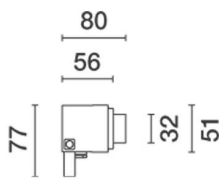


Last information update: May 2025

Product configuration: BJ97.01

BJ97.01: Outdoor floodlight - Warm White LED - max 500mA - Spot optic with cylinder - 4.2W 218.3lm - 3000K - White

**Product code**

BJ97.01: Outdoor floodlight - Warm White LED - max 500mA - Spot optic with cylinder - 4.2W 218.3lm - 3000K - White

Technical description

Direct light outdoor floodlight, designed to use warm white LED lamps, with spot optic and external cylinder for cleaning up the beam of light. 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. Methacrylate front cylinder, painted black and joined to the optical assembly with silicone. The adjustable fixing bracket is made of painted aluminium. It has a single stainless steel M14x1 cable gland and black rubber outlet cable complete with anti-transpiration device L=300mm, electronic circuit with warm white LED and optic having a lens made of thermoplastic material (methacrylate). The electronic ballast must be ordered separately (max. 500mA). 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)

Weight (Kg)

0.26

Mounting

free standing

Wiring

Electronic ballast to be ordered separately.

Notes

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

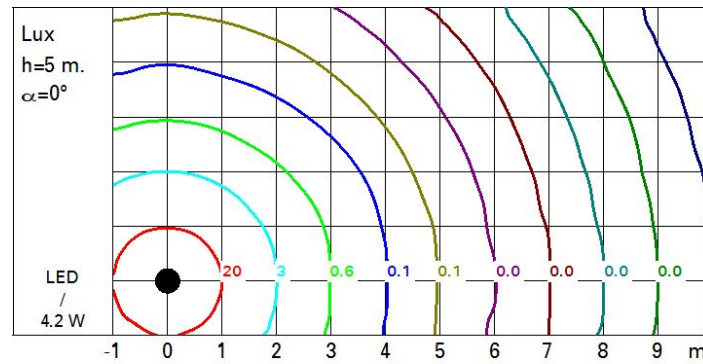
**Technical data**

lm system:	218	Rg (Gamut Index):	96
W system:	4.2	Colour temperature [K]:	3000
lm source:	590	MacAdam Step:	3
W source:	4.2	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	52	Life Time LED 2:	94,000h - L80 - B10 (Ta 40°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	37	ZVEI Code:	LED
Beam angle [°]:	20°	Number of optical assemblies:	1
CRI (minimum):	80	Intervalllo temperatura ambiente:	from -30°C to 50°C.
Rf (Colour Fidelity Index):	86	LED current [mA]:	500

Polar

Imax=1308 cd		C0-180		Lux	
90°	180°	90°		h	d1 d2 Em Emax
				4	1.4 1.4 66 82
				8	2.8 2.8 16 20
				12	4.2 4.2 7 9
				16	5.7 5.6 4 5
$\alpha = 20^\circ$					

Isolux



UGR diagram

Corrected UGR values (at 590 lm bare lamp luminous flux)										
Reflect.:		viewed crosswise					viewed endwise			
ceiling		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
work pl.		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	0.7	8.7	7.1	9.1	9.4	5.9	7.9	0.2	8.2
	3H	0.7	8.2	7.1	8.5	8.8	5.8	7.3	0.2	7.6
	4H	0.7	7.9	7.1	8.2	8.6	5.8	7.0	0.2	7.3
	6H	0.7	7.6	7.0	7.9	8.3	5.8	6.7	0.1	7.0
	8H	0.6	7.5	7.0	7.9	8.2	5.7	6.6	0.1	7.0
	12H	0.5	7.5	6.9	7.9	8.2	5.6	6.6	0.0	7.0
4H	2H	0.6	7.8	7.0	8.1	8.5	5.9	7.1	0.3	7.4
	3H	0.6	7.6	7.0	7.9	8.3	5.9	6.8	0.3	7.2
	4H	0.5	7.5	7.0	7.9	8.4	5.8	6.8	0.2	7.2
	6H	0.2	7.9	6.7	8.3	8.8	5.5	7.1	5.9	7.6
	8H	0.1	7.9	6.6	8.4	8.9	5.3	7.2	5.8	7.6
	12H	0.0	7.9	6.5	8.4	8.9	5.2	7.1	5.8	7.6
8H	4H	0.1	7.9	6.6	8.4	8.9	5.3	7.2	5.8	7.6
	6H	0.0	7.7	6.5	8.2	8.7	5.3	7.0	5.8	7.5
	8H	0.0	7.5	6.5	8.0	8.5	5.3	6.7	5.8	7.2
	12H	0.1	7.1	6.7	7.6	8.1	5.4	6.4	5.9	6.9
12H	4H	0.0	7.9	6.5	8.4	8.9	5.2	7.1	5.7	7.6
	6H	0.0	7.5	6.5	8.0	8.5	5.3	6.7	5.8	7.2
	8H	0.1	7.1	6.7	7.6	8.1	5.4	6.4	5.9	6.9
Variations with the observer position at spacing:										
S =		1.0H	4.0	-5.1			3.7	-4.6		
		1.5H	6.6	-6.7			6.3	-6.1		
		2.0H	8.5	-7.5			8.2	-6.9		