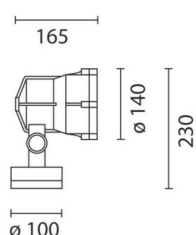


Last information update: May 2024

Product configuration: BA42

BA42: Spotlight - LED Neutral White - with base equipped with electronic power supply - Flood optic

**Product code**BA42: Spotlight - LED Neutral White - with base equipped with electronic power supply - Flood optic **Attention! Code no longer in production****Technical description**

Spotlight designed for Neutral White (4200K) LED sources with Flood optic. Composed of optical assembly and component-holding base. The optical assembly, arm, base and frame are made of aluminium alloy and subjected to phosphochromatisation treatment, double primer, passivation at 120° C. Acrylic liquid paint finish with high resistance to atmospheric agents and UV rays; baking at 150°C. The cover glass is made of sodium-calcium tempered transparent colourless glass with 4 mm thickness and grey customised serigraphy. It is fixed with captive screws. The silicone gasket is subjected to post-cooling treatment in oven at 200° C. The optical assembly allows for vertical and horizontal orientation, with mechanical locking device to ensure stable aiming; slots on the frame for downflow of rainwater. Flood optics with plastic lenses. Circuit complete with 12 monochromatic Neutral White (4200K) LEDs. Complete with terminal for through earthing cable and ready for through wiring by means of two PG11 black polyamide cable clamps suitable for Ø 6,5÷11 mm cables. All external screws are made of stainless steel A2. Complete with lamp.

Installation

The fitting can be installed in pavement, ground, wall and tree branches.

Colour

Black (04) | Grey (15)

Mounting

external wall corner|wall arm|wall surface|ground spike|surface box|free standing

Wiring

Luminaire provided with built-in electronic control gear (100÷240Vac, 50/60Hz, 350mA).

Notes

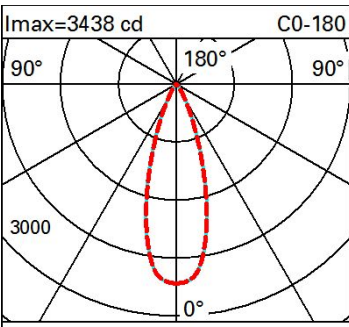
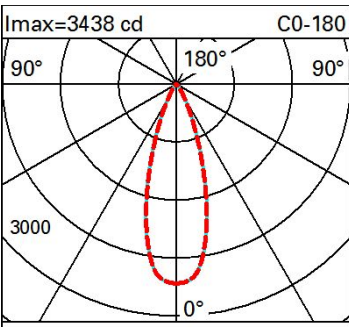
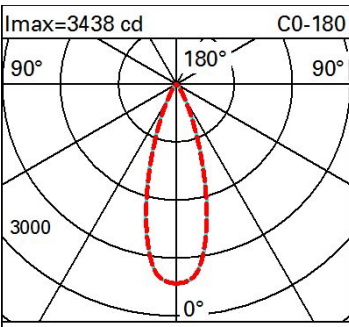
Complete with lamp. Accessories available: refractor, wall washer screen, spike for ground installation, base for 90° corner installation, support for post mounting and belt for installation on trees.

Complies with EN60598-1 and pertinent regulations

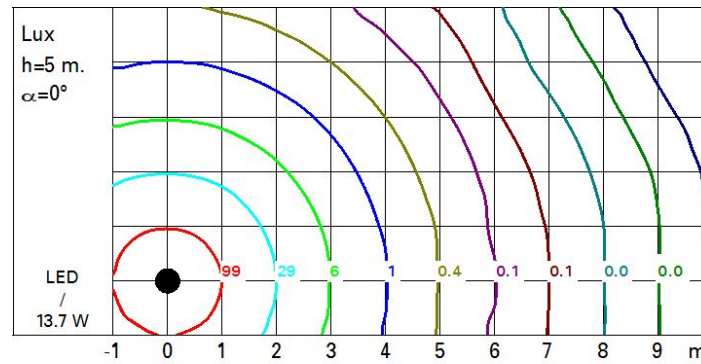
**Technical data**

Im system:	1243	Colour temperature [K]:	4000
W system:	13.7	MacAdam Step:	3
Im source:	1750	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	12	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Luminous efficiency (Im/W, real value):	90.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	71	Number of optical assemblies:	1
Beam angle [°]:	34° / 32°	Intervallo temperatura ambiente:	from -20°C to +35°C.
CRI:	80		

Polar

lmax=3438 cd		C0-180		Lux				
90°	180°	90°	h	d1	d2	Em	Emax	
			2	1.2	1.1	687	860	
			4	2.4	2.3	172	215	
			6	3.7	3.4	76	96	
			8	4.9	4.6	43	54	
α=34° / 32°								

Isolux



UGR diagram

Corrected UGR values (at 1750 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	8.7	9.3	9.0	9.5	9.8	8.7	9.3	9.0	9.5
	3H	8.7	9.2	9.0	9.5	9.8	8.6	9.2	8.9	9.4
	4H	8.7	9.1	9.0	9.4	9.7	8.6	9.1	8.9	9.4
	6H	8.6	9.0	8.9	9.3	9.7	8.5	9.0	8.9	9.3
	8H	8.5	9.0	8.9	9.3	9.6	8.5	8.9	8.8	9.2
	12H	8.5	8.9	8.9	9.2	9.6	8.4	8.8	8.8	9.2
4H	2H	8.6	9.1	8.9	9.4	9.7	8.6	9.1	8.9	9.4
	3H	8.6	9.0	9.0	9.3	9.7	8.6	9.0	8.9	9.3
	4H	8.5	8.9	8.9	9.2	9.6	8.5	8.9	8.9	9.2
	6H	8.4	8.8	8.9	9.2	9.6	8.4	8.7	8.8	9.1
	8H	8.4	8.7	8.8	9.1	9.5	8.4	8.7	8.8	9.1
	12H	8.3	8.6	8.8	9.0	9.5	8.3	8.6	8.8	9.0
8H	4H	8.4	8.7	8.8	9.1	9.5	8.4	8.7	8.8	9.1
	6H	8.3	8.6	8.8	9.0	9.5	8.3	8.5	8.7	9.0
	8H	8.3	8.5	8.7	8.9	9.4	8.2	8.4	8.7	8.9
	12H	8.2	8.4	8.7	8.9	9.4	8.2	8.4	8.7	8.8
12H	4H	8.4	8.6	8.8	9.0	9.5	8.3	8.6	8.8	9.0
	6H	8.3	8.5	8.7	8.9	9.4	8.2	8.4	8.7	8.9
	8H	8.2	8.4	8.7	8.9	9.4	8.2	8.4	8.7	8.8
Variations with the observer position at spacing:										
S = 1.0H		4.7 / -6.7					4.6 / -6.6			
1.5H		7.4 / -7.1					7.3 / -7.3			
2.0H		9.4 / -8.5					9.2 / -8.6			