Woody

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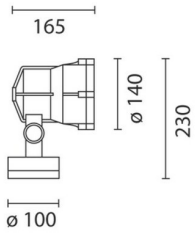
Last information update: May 2024

Product configuration: BA43
BA43: Spotlight - LED Warm White - with base equipped with electronic power supply - Flood optic



Product code
BA43: Spotlight - LED Warm White - with base equipped with electronic power supply - Flood optic **Attention! Code no longer in production**

Technical description
Spotlight designed for Warm White (3100K) 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 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 serifigraphy. 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 Warm White (3100K) 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÷11mm 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.

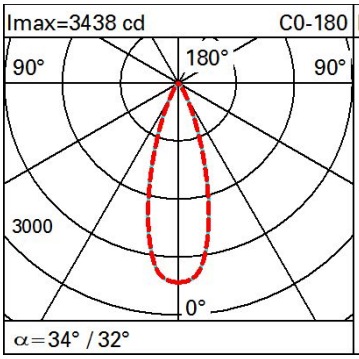
Complies with EN60598-1 and pertinent regulations

960°C IK07 IP66

Technical data

lm system:	1243	Colour temperature [K]:	3000
W system:	13.7	MacAdam Step:	3
lm 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 (lm/W, real value):	90.7	Lamp code:	LED
lm 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		

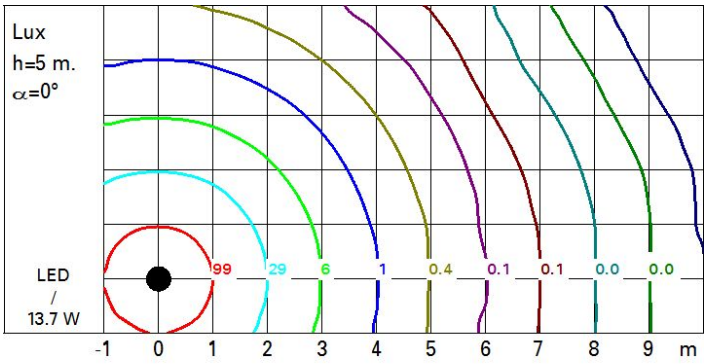
Polar



Lux

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

Isolux



UGR diagram

Corrected UGR values (at 1750 lm bare lamp luminous flux)

Riflect.: ceil/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	8.7	9.3	9.0	9.5	9.8	8.7	9.3	9.0	9.5	9.7
	3H	8.7	9.2	9.0	9.5	9.8	8.6	9.2	8.9	9.4	9.7
	4H	8.7	9.1	9.0	9.4	9.7	8.6	9.1	8.9	9.4	9.7
	6H	8.6	9.0	8.9	9.3	9.7	8.5	9.0	8.9	9.3	9.6
	8H	8.5	9.0	8.9	9.3	9.6	8.5	8.9	8.8	9.2	9.6
	12H	8.5	8.9	8.9	9.2	9.6	8.4	8.8	8.8	9.2	9.5
4H	2H	8.6	9.1	8.9	9.4	9.7	8.6	9.1	8.9	9.4	9.7
	3H	8.6	9.0	9.0	9.3	9.7	8.6	9.0	8.9	9.3	9.7
	4H	8.5	8.9	8.9	9.2	9.6	8.5	8.9	8.9	9.2	9.6
	6H	8.4	8.8	8.9	9.2	9.6	8.4	8.7	8.8	9.1	9.5
	8H	8.4	8.7	8.8	9.1	9.5	8.4	8.7	8.8	9.1	9.5
	12H	8.3	8.6	8.8	9.0	9.5	8.3	8.6	8.8	9.0	9.5
8H	4H	8.4	8.7	8.8	9.1	9.5	8.4	8.7	8.8	9.1	9.5
	6H	8.3	8.6	8.8	9.0	9.5	8.3	8.5	8.7	9.0	9.4
	8H	8.3	8.5	8.7	8.9	9.4	8.2	8.4	8.7	8.9	9.4
	12H	8.2	8.4	8.7	8.9	9.4	8.2	8.4	8.7	8.8	9.4
12H	4H	8.4	8.6	8.8	9.0	9.5	8.3	8.6	8.8	9.0	9.5
	6H	8.3	8.5	8.7	8.9	9.4	8.2	8.4	8.7	8.9	9.4
	8H	8.2	8.4	8.7	8.9	9.4	8.2	8.4	8.7	8.8	9.4

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