

Direct Replacement of 100W halogen lamp

Dimmable LED Spot AR111

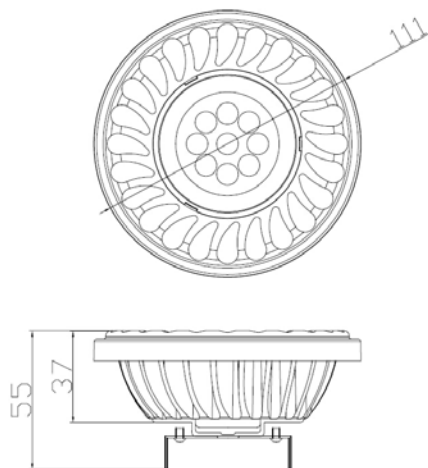


Product feature

- ◆ Adopting **GENUINE NICHIA LED**, high CRI 85 or 90 Ra makes colors look vibrant and especially rich.
- ◆ Dimmable down to 15% with most of trailing edge dimmers when in conjunction with recommended electronic transformers.
- ◆ Perfect anti-glare optical design feast of eyes.
- ◆ Unique design for good heat elimination performance.
- ◆ When using electronic transformer, the brightness of this lamp is more than 90% of the one with DC transformer.
- ◆ Aluminum + Heat-conductive plastic material perfects the heat elimination.
- ◆ Long life time up to 50000hrs.
- ◆ **Black & White color shell** for choice.

Model Number	Power Consumption	LED	CRI	Efficiency (lm/W)	Color Temperature	Beam Angle	Input Voltage	Light Intensity	Lumens	Dimmable
S13V-DIM-AR111(WW)	12W	NICHIA	85	76	2400±200K 2700±200K 3000±200K	25°	12VDC/AC	2510 cd	910lm	YES
S13V-DIM-AR111(DW) S13V-DIM-AR111(NW)	12W	NICHIA	85	80	4000±200K 5000±200K	25°	12VDC/AC	2620 cd	960lm	YES
S13V-DIM-AR111(WW)	12W	NICHIA	85	73	2400±200K 2700±200K 3000±200K	36°	12VDC/AC	1820 cd	880lm	YES
S13V-DIM-AR111(DW) S13V-DIM-AR111(NW)	12W	NICHIA	85	76	4000±200K 5000±200K	36°	12VDC/AC	1780 cd	910lm	YES

Note: CRI 95 LED also available with same price, lumens is around 15% lower than the one of CRI 85 LED.



Application

- Area: Indoor use only.
- Purpose: Accent lighting, local lighting.
- General lighting
- Hotel
- Hall / Lobby
- Jewelry store
- Theater
- BAR/Restaurant
- Store
- Art gallery
- Museum
- School

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General characteristics

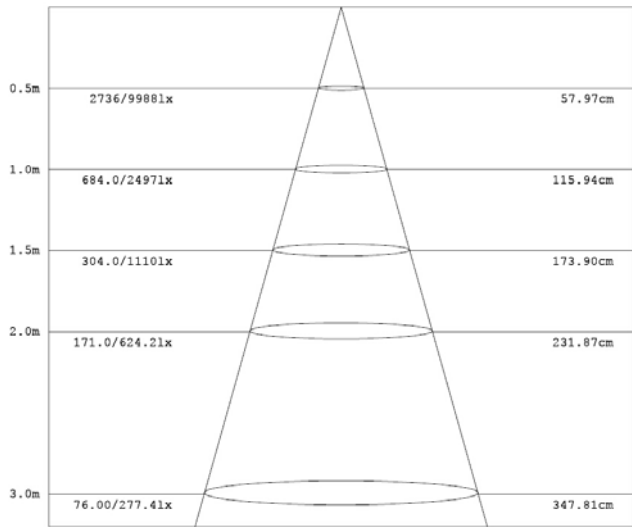
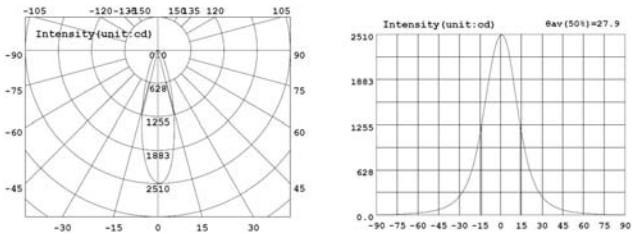
Model Number	Product name	Material	Base type	IP Rating	Dimension (mm)	Net Weight	Lifetime (hr)	Working Temperature
S13V-DIM-AR111(WW)	LED spot AR111	Aluminum + Heat-Conductive Plastic	G53	IP20	Φ111×55	159g	50000	-5℃ ~ +35℃
S13V-DIM-AR111(DW) S13V-DIM-AR111(NW)	LED spot AR111	Aluminum + Heat-Conductive Plastic	G53	IP20	Φ111×55	159g	50000	-5℃ ~ +35℃

Packaging information

Packing: 40 PCS / carton		
Box	118×118×87(mm)	242 g
Carton	62×39×27(cm)	10.6 kg

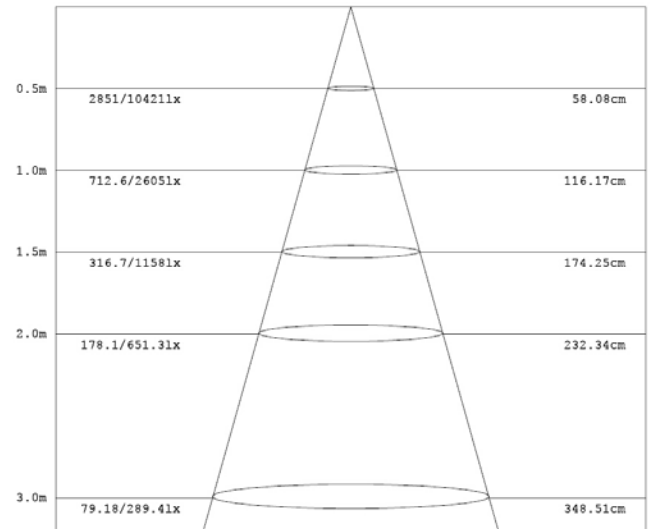
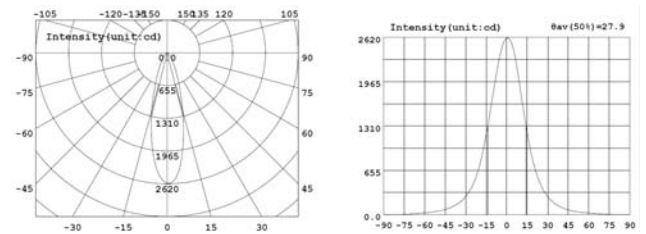


S13V-DIM-AR111(WW) 25°



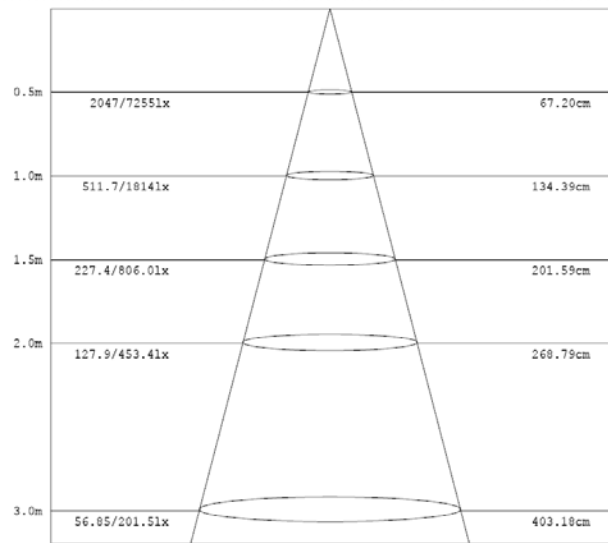
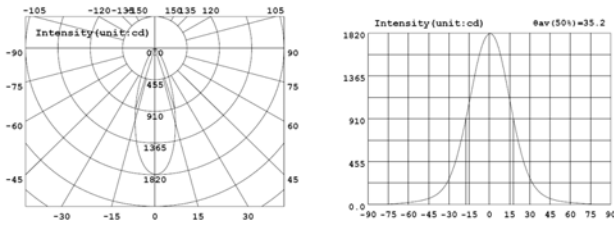
Height Lux Diameter

S13V-DIM-AR11(NW) 25°



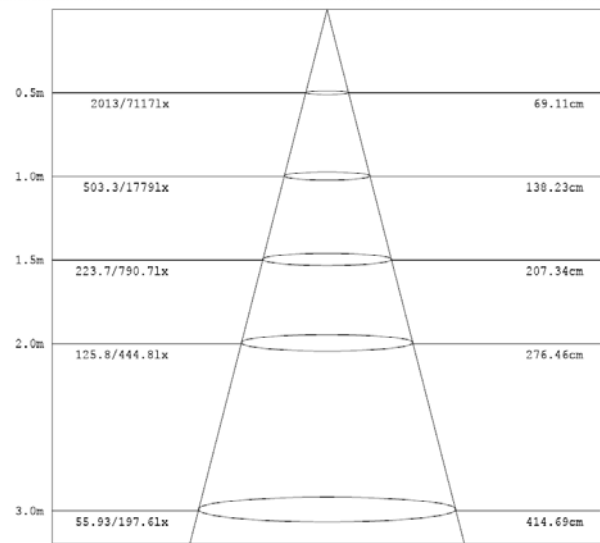
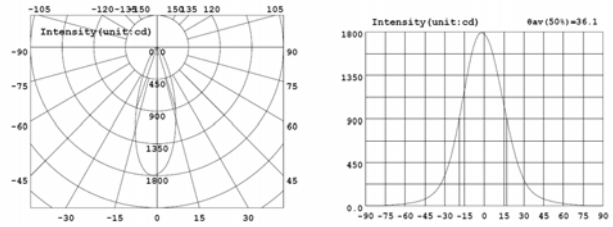
Height Lux Diameter

S13V-DIM-AR111(WW) 36°



Height Lux Diameter

S13V-DIM-AR111(NW) 36°



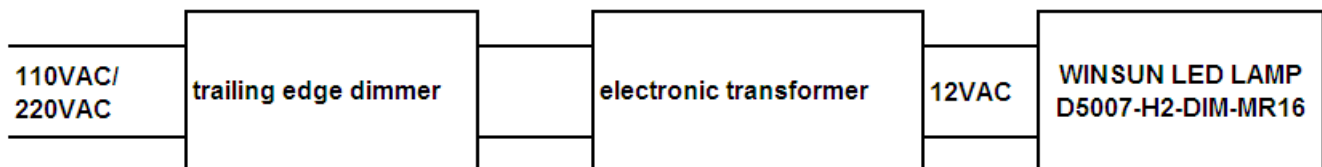
Height Lux Diameter

Operating Instruction

Following dimming patterns are recommended:

Trailing Edge Dimmer + Electronic Transformer (with the function of dimmable with cut-off-dimmer) + Winsun Dimmable MR16

If the MIN. load of the electronic transformer is above 10W or 20W (depends on different brands of transformers), the performance will be better if connect more than 1pc lamp to one transformer.



Calculation method of lamp number per transformer:

As a system, the maximum number of lamps is limited by the maximum power of the transformer, and the load power is calculated based on the wattage of the lamp which is replaced. (Xpcs * 50W), not the lamps' consuming wattage (Xpcs * 12W).

For example, 60W transformer will only hold $60/50 \approx 1$ lamp.

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Important Caution

1. Please make sure work with the correct voltage 12VDC/AC. Do not work with 24VDC, 110VAC or 220VAC.
2. Please don't use ferromagnetic transformer (Iron-core Transformer) with or without dimmer.
3. If you choose Electronic transformer, please make sure to select a good quality Electronic Transformer (simplified version is not acceptable), of which the output is 12VAC.
4. When using electronic transformer, the brightness of lamp will be about 90% of the one with DC transformer.
5. Following dimmable patterns are not allowed:
 - 1) Leading edge dimmer + Electronic Transformer + 12V AR111 ✗
 - 2) Trailing edge dimmer + Iron-core Transformer + 12V AR111 ✗
6. Not suitable for high temperature and moisture area.
7. Not suitable for heavy air-polluted area.
8. Not suitable for close system fixture.