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A New Experience in Light

LED Lamp

10W AR111



AR111 is an exceptionally high performance retrofit type LED lamp. It is carefully engineered with the most advanced LED innovations and the highest quality components to ensure optimal performance and reliability for years to come.

Proprietary built-in driving circuitry enables AR111 to take the place of traditional halogen lamp, equivalent output up to 75Watt, without additional modifications on your fixtures. An easy and effortless way to experience LED lighting while saving energy consumption and reducing CO₂ emission.

- Solid State Lighting Technology
- Proprietary Multi-lens Optics
- Reduce CO₂ Emission
- Superior Quality Light
- Ecologically Friendly
- Built to Last



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Dimensions

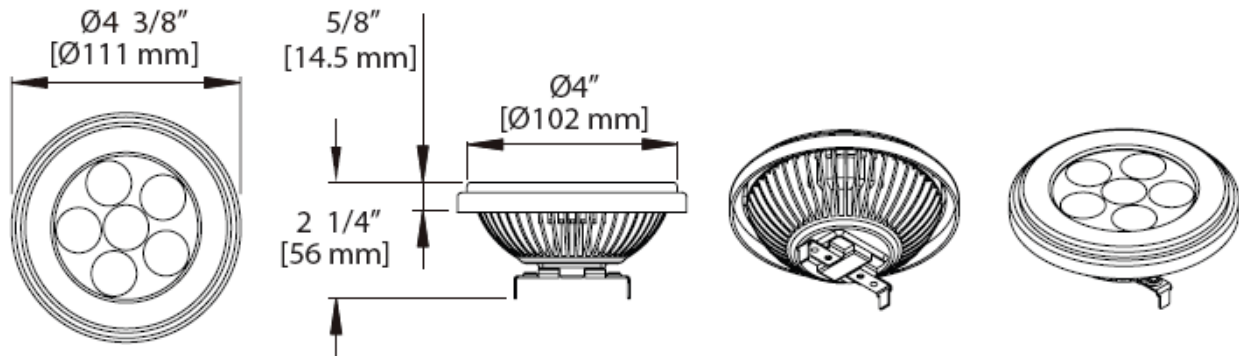


Figure 1: Dimensions for 10W AR111.

Tolerance: ± 1/8" [2.5 mm]

Absolute Maximum Rating

Parameter	Rating	Units
Plastic Housing Temperature	80	°C
Operating Temperature	-20 ~ +40	°C
Storage Temperature	-40 ~ +60	°C
AC / DC Input Voltage	12	V
Equilibrium Temperature	60	°C

Table 1: Absolute maximum rating for 10W AR111.

Specifications

Parameter	Rating	Units
Power Consumption	10	Wattage
Field Angles	25 / 40	Degree
Color Temperature	3000 / 4000 / 6000	K
CRI	80 / 75 / 70	--
Weight	190 ± 5	g
Base	G53	--

Table 2: Specifications for 10W AR111.

• Illuminance and Field Angles

• Cool White / Neutral White / Warm White

Power Consumption(W)	Part Number	Field Angles	CCT(Typ.)	Lux @ 1m (Min.)	Lux @ 1m (Typ.)	Lm (Min.)	Lm (Typ.)
10W	LB-AR111-10210x		5650~7000K	3240	3560	420	460
	LB-AR111-10220x	25°	3800~4500K	2650	2910	350	380
	LB-AR111-10230x		2670~3050K	2390	2630	320	350
	LB-AR111-10410x		5650~7000K	2390	2630	420	460
	LB-AR111-10420x	40°	3800~4500K	1960	2150	350	380
	LB-AR111-10430x		2670~3050K	1790	1970	320	350

Table 3: Illuminance and field angles for 10W AR111.

Notes:

1. Lux value is measured under thermal balanced condition. (i.e. after 1 hour continuous operation)
2. LED is a dynamic and constantly evolving technology. The final lux output of your 10W AR111 may vary.
3. Input voltage = AC / DC 12V

Light Patterns

The diagrams present the light patterns with respect to different color temperature and angles.

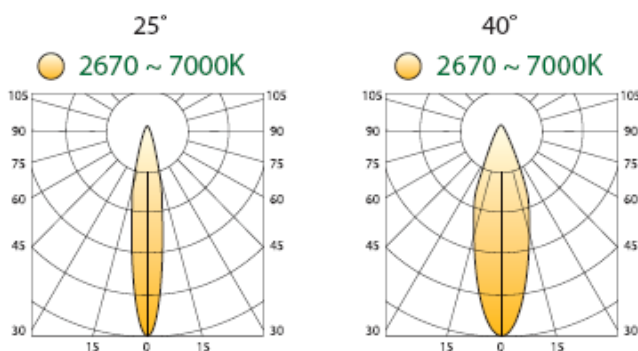


Figure 2: Light patterns of 10W AR111 for different angles.



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Lifetime

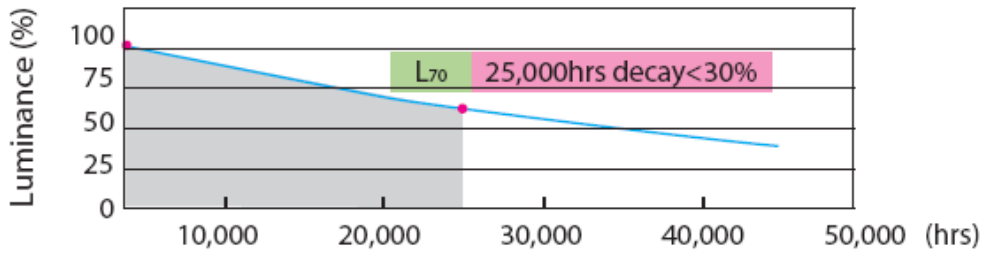


Table 4: Lifetime for 10W AR111.

Environmentally Friendly

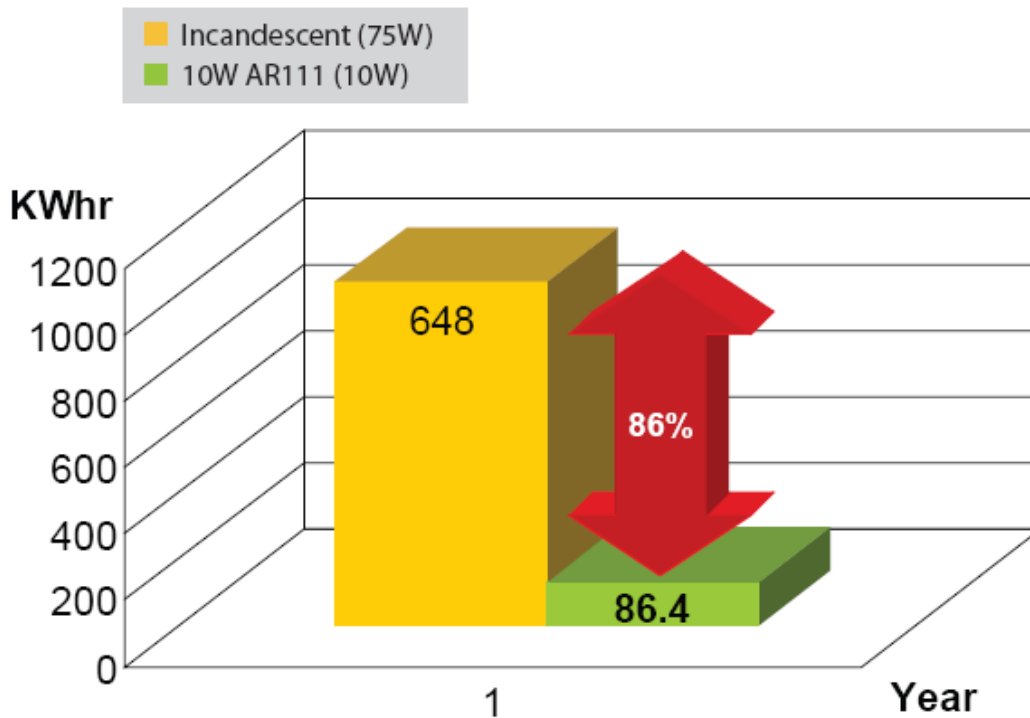
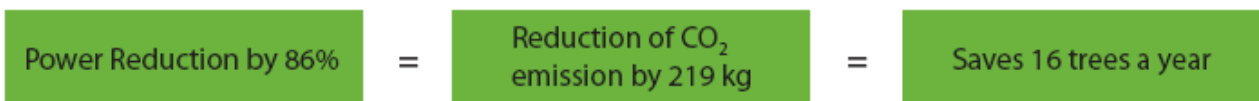


Figure 5: 10W AR111 Environmentally Friendly.

Note: 1. Calculation based on 24 hours of daily operation.



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Economical



Power Consumption: 75W
Expected Lifetime: 1,000 hrs



Power Consumption: 10W Saving: 561.6 kWh / year
Expected Lifetime: 40,000 hrs

