

High Power LED Lighting Solutions

ALITLED®

GOOD DESIGN
AWARD 2012

reddot design award
winner 2011

if
product
design
award
2010



Pursuit of perfection environmental purity.



Aeon Lighting Technology Inc.

2011/12 ver. 1.02 (CHIPSSET LUMINOUS FLUX)

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Create the bright future by Green Lighting

The high power LED lighting products of Aeon Lighting Technology have LED cool-light characters, such as no infrared and ultraviolet ray, and would not damage projective object. LED lighting also has low electricity consumption.

Compared to traditional lighting fixture, LED lighting can save more than 85% electricity usage.

All ALT products have passed RoHS certification, and contain no mercury, toxic material, 100% environmental and people friendly. In addition, ALT products have obtained several international safety certifications, such as UL, ETL, TUV, CE, FCC, C-tick, and KC mark, thus providing a safety and comfortable lighting environment.

0 Mercury 0 Toxic Material 85% Energy Saving 100% Peace of Mind

COMPARISON



	High-Power LED	Energy Saving Bulb	Fluorescent Lamp	Incandescent Light	Halogen Lamp	High Pressure Mercury Vapor Lamp
Power consumption (Watts)	12	25	18	120	100	30
Luminous efficacy (lm/w)	58	50	70	10	13	40
Luminaire efficiency (%)	90%	40-60%	40-60%	40-60%	40-60%	40-60%
Utilization Luminous Flux (lm)	630	625	630	600	650	600
Efficiency (lm/w)	52	30	37.5	5.5	6.5	25
Chip Lifespan (hours)	50,000	5,000	8,000	1,200	2,000	2,000
Annual electricity (12 hours / day) Denmark electricity 0.3153 USD / KWH	US\$ 24.9	US\$ 52	US\$ 41.6	US\$ 281	US\$ 239	US\$ 82.4
Power required to compare to 100w Incandescent Light	≈ 10W	≈ 18W	≈ 16W	≈ 100W	≈ 80W	≈ 22W
Traditional light power consumption as compared with LED power consumption	-	≈ 2 time	≈ 1.6 time	≈ 12.5 time	≈ 10 time	≈ 3.3 time
Annual emissions of carbon dioxide (kg)	50.2 kg	104.7 kg	83.6 kg	565.8 kg	481.9 kg	104.7 kg



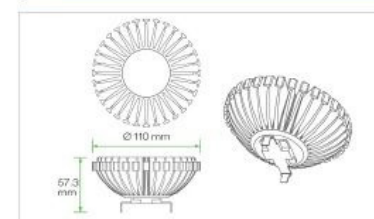
APPLICATIONS

- Office Lighting.
- Boutique Lighting.
- Showcase Lighting.
- Shop Lighting

FEATURES

ALT AR111 LED uses aerospace industry level computer cooling technology, in addition to having the longest span life of 50,000 hours, and chips from industry leaders Cree and LUXEON. Replacing a 100W traditional halogen bulb to a 12W ALT AR111 LED gives, almost, a 90% energy savings. ALT Orion Series AR111 creates a more enjoyable shopping experience and keeps the finest moment for all works of art.

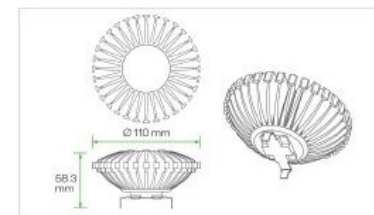
AR111



Working Voltage **12V AC/DC**
Base **GX53**
Weight **8.82 oz. (250g)**
Operating Temp **-20°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter



PAR36



Working Voltage **12V AC/DC**
Base **GX53**
Weight **8.82 oz. (250g)**
Operating Temp **-20°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E	
Power Consumption	12 Watts	15 Watts
AR111 Beam Angle °50%	20° / 30° / 45° / 60°	
PAR36 Beam Angle °50%	20° / 30° / 45° / 60°	
True White CRI 70	1250 lm	1650 lm
Natural White CRI 80	1100 lm	1350 lm
Warm White CRI 80	970 lm	1200 lm
Warm White CRI 80	850 lm	1050 lm

Chipsets	EPSTAR
Power Consumption	12 Watts
AR111 Beam Angle °50%	45° / 60° / 90°
PAR36 Beam Angle °50%	45° / 60° / 90°
True White CRI 98	700 lm
Warm White CRI 98	550 lm

Chipsets	CREE® XP-G		CREE® XP-E	
	12 Watts	15 Watts	12 Watts	15 Watts
AR111 Beam Angle °50%	24° / 30° / 50° / 60° / 90° / 135°		20° / 30° / 45° / 60° / 90° / 135°	
PAR36 Beam Angle °50%	15° / 24° / 30° / 50° / 60° / 90° / 135°		10° / 20° / 30° / 45° / 60° / 90° / 135°	
True White CRI 80	1150 lm	1400 lm	980 lm	1150 lm
Natural White CRI 80	970 lm	1200 lm	850 lm	990 lm
Warm White CRI 80	850 lm	1070 lm	750 lm	870 lm

Chipsets	LUXEON® Rebel ES		LUXEON® Rebel	
	12 Watts	15 Watts	12 Watts	15 Watts
AR111 Beam Angle °50%	24° / 30° / 50° / 60° / 90° / 135°		20° / 30° / 45° / 60° / 90° / 135°	
PAR36 Beam Angle °50%	15° / 24° / 30° / 50° / 60° / 90° / 135°		10° / 20° / 30° / 45° / 60° / 90° / 135°	
True White CRI 80	1150 lm	1400 lm	980 lm	1150 lm
Natural White CRI 80	970 lm	1200 lm	850 lm	990 lm
Warm White CRI 80	850 lm	1070 lm	750 lm	870 lm
Warm White CRI 90	880 lm	860 lm	600 lm	700 lm