

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)

EnergyTools

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• BALANCE
• GEPROEFT
• TYPE
APPROVED



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



Due to high electricity consumption; low efficiency; and the mercury material in fluorescent, HID, etc; traditional indoor lighting will be replaced by the eco-friendly high power LED lighting. ALTLED® adopts the most advance LED lighting technology in the world, and offers various indoor lighting sources, such as residential lighting, office lighting, commercial lighting, and hotel lighting. The product range covers from decorative halogen bulb replacements, AR111 recessed light for commercial store, to T8 tubes for office usage. ALT can provide solution at your request. Are you looking for high lumen lighting equipment for your shop lighting? Are you looking for low electricity consumption and no flicker T8 tubes for your office? Or are you looking for high CRI lighting products to decorate your merchandises?

At ALT, we provide you the most energy-saving and safe LED lighting products.

Currently, ALTLED® indoor products have already obtained several major international safety certifications, such as UL, CUL, ETL, TUV, CE, and FCC. In addition, ALTLED has patents, valid and protected in over 70 countries, covering our outstanding high-quality technology.

ALT is your most reliable partner!

Five Advantages for Indoor Products:

- Brightest in the world: MR16 series with 780lm, BR series with 3550lm.
- Complete safety certification: Obtained several major certifications, such as UL, CUL, ETL, TUV, CE, FCC, C-tick, and KC mark.
- System stability: Using industrial server heat-dissipation technology, and military-grade power supply components.
- Highly availability: more than 4000 models with various luminous, angles, color, and other requirements upon request.
- Support world standards: meeting with ANSI and IEC international standards and supporting various voltage and bases around the world.

Astoria series

MR11-01



GU4
P. 13

MR11-02



GU4
P. 13

MR16



GX53/GU53
P. 14

E26/24 (US)
P. 14

E26/27 (EU/UK)
P. 14

GU10/GZ10
P. 14

E11
P. 14

E12 (US)
P. 15

E12 (EU/UK)
P. 15

E17
P. 15

E14 (US)
P. 15

E14 (EU/UK)
P. 15

B22D
P. 16

EZ10
P. 16

BA15S
P. 16

BA15D
P. 16

G19 Globe



GX53/GU53
P. 20

E26/24 (US)
P. 20

E26/27 (EU/UK)
P. 20

GU10/GZ10
P. 20

E11
P. 20

E12 (US)
P. 21

E12 (EU/UK)
P. 21

E17
P. 21

E14 (US)
P. 21

E14 (EU/UK)
P. 21

B22D
P. 21

EZ10
P. 22

BA15S
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BA15D
P. 22

BR30



E26/24 (US)
P. 24

E26/27 (EU/UK)
P. 24

E26/24 (US)
P. 26

E26/27 (EU/UK)
P. 26

E26/24 (US)
P. 28

E26/27 (EU/UK)
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E26/24 (US)
P. 29

E26/27 (EU/UK)
P. 29

E26/24 (US)
P. 30

E26/27 (EU/UK)
P. 30

E26/24 (US)
P. 31

E26/27 (EU/UK)
P. 31

E26/24 (US)
P. 32

E26/27 (EU/UK)
P. 32

Metis series

Chandelier Light



E26/24 (US)
P. 34

E26/27 (EU/UK)
P. 34

GU10/GZ10
P. 34

E11
P. 34

E12 (US)
P. 35

E12 (EU/UK)
P. 35

E17
P. 35

E14 (US)
P. 36

E14 (EU/UK)
P. 36

B22D
P. 36

A19 Bulb



E26/24 (US)
P. 38

E26/27 (EU/UK)
P. 38

E11
P. 38

E12 (US)
P. 39

E12 (EU/UK)
P. 39

E14 (US)
P. 39

E14 (EU/UK)
P. 39

E17
P. 39

B22D
P. 40

A55 Bulb



E26/24 (US)
P. 42

E26/27 (EU/UK)
P. 42

E17
P. 42

B22D
P. 42

Orion series

T8 Tube - V1



V1 series
T01 (2-foot)
T02 (2-foot)
T03 (4-foot)
T04 (5-foot)
T8 with T5 Base
P. 44

T8 Tube - V2



V2 series
T01 (2-foot)
T02 (2-foot)
T03 (4-foot)
T04 (5-foot)
T8 with T5 Base
P. 45

T8 Tube - V3



V3 series
T01 (2-foot)
T02 (2-foot)
T03 (4-foot)
T04 (5-foot)
T8 with T5 Base
P. 46

Recessed Light



R02
P. 48

Ceiling Light



R2025a
P. 50

AR111



AR111
P. 52

PAR36



PAR36
P. 52

ASTERIA is a minor planet that orbits the Sun, and was the daughter of the Titans Coeus and Phoebe and sister of Leto. ALT's ASTERIA can be presented as a strong, smart and efficient light bulb.



MR11



MR11-01



MR11-02



Base **GU4**
Working Voltage **12V AC/DC**
Weight **1.1 oz. (30 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter



FEATURES

ALT's Astoria MR11 series guarantees outstanding efficiency and quality of high power products. All these make our MR11 products ideal for general business and decorative lighting purposes. Astoria MR11 only consumes 3W but produces 200 lm light output, and the weight is only 30g. Due to small size and weight, this product can fit in all kinds of interior design and indoor decoration.

APPLICATIONS

- Shop Lighting
- Illumination Lighting
- Boutique Lighting
- Commercial Lighting
- Hotel Lighting

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® LED® XP-E			CREE® LED® XP-G		
Power Consumption	3 Watts			3 Watts		
Beam Angle °10%	30°	45°	72°	45°	60°	80°
True White CRI 80	200 lm			240 lm		
Natural White CRI 80	160 lm			190 lm		
Warm White CRI 80	125 lm			170 lm		

3W, 30°, True White:200 lm



3W, 30°, Warm White:125 lm



Chipsets	LUXEON® Rebel			LUXEON® Rebel ES		
Power Consumption	3 Watts			3 Watts		
Beam Angle °10%	30°	45°	72°	45°	60°	80°
True White CRI 80	200 lm			240 lm		
Natural White CRI 80	160 lm			190 lm		
Warm White CRI 90	110 lm			140 lm		

3W, 30°, True White:200 lm



3W, 30°, Warm White:140 lm



Chipsets	EPISTAR	
Power Consumption	3 Watts	
Beam Angle °10%	60°	80°
True White CRI 98	85 lm	
Warm White CRI 98	65 lm	

3W, 60°, True White:85 lm



3W, 60°, Warm White:65 lm



MR16

GX5.3 / GU5.3



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **12V AC/DC**
Weight **0.9 oz. (25 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter



MR16
E26 / 24 (US)



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E26 / 27 (EURO)



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
GU10 / GZ10



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.42 oz. (40 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E11



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E12 (US)



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E12 (EURO)



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E17



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E14 (US)



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16
E14 (EURO)



The format of M01 is the most effective design of thermal conductivity within the MR16 series.



In compliance with ANSI standard, can be installed in any MR16 fixtures.

Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16 B22D



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16 EZ10



Working Voltage **12V AC/DC**
Weight **1.4 oz. (38 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter

MR16 BA15S



Working Voltage **12V AC/DC**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter

MR16 BA15D



Working Voltage **12V AC/DC**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**
Optional : AC Adapter

MR16 BA15D



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

MR16

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

V7 series

Chipsets	CREE® XT-E				
Power Consumption	7 Watts				
Beam Angle	60°	90°	100°	120°	135°
True White	CRI 70	780 lm			
Natural White	CRI 80	650 lm			
Warm White	CRI 80	580 lm			
Warm White C/C: 2200K	CRI 80	500 lm			



V6 series

Chipsets	CREE® MT-G			
Power Consumption	7 Watts			
Beam Angle	60°	72°	90°	135°
True White	CRI 75	750 lm		
Natural White	CRI 80	620 lm		
Warm White	CRI 80	550 lm		



V5 series

Chipsets	CREE® XP-G			CREE® XB-D					LUXEON Rebel ES	
Power Consumption	7 Watts			7 Watts					7 Watts	
Beam Angle	38°	50°	120°	38°	60°	90°	100°	120°	135°	45° 60°
True White	CRI 70	-		720 lm					-	
	CRI 80	720 lm		-					720 lm	
Natural White	CRI 80	590 lm		590 lm					590 lm	
	CRI 90	520 lm		520 lm					520 lm	
Warm White	CRI 90	-		-					400 lm	

V5 series

Chipsets	OSRAM OSLOM SSL 150 LED			
Power Consumption	7 Watts			
Beam Angle	25°	38°	45°	120°
True White	CRI 70	720 lm		
	CRI 82	590 lm		
	CRI 95	520 lm		
Natural White	CRI 82	520 lm		
	CRI 95	400 lm		

MR16

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

V4 series

Chipsets	CREE® XP-C	LUXEON Rebel
Power Consumption	7 Watts	5 Watts
Beam Angle	25° 120° 38° 72°	25° 30° 45° 38° 72°
True White	CRI 80 520 lm	342 lm 520 lm 400 lm
Natural White	CRI 80 455 lm	342 lm 520 lm 400 lm
Warm White	CRI 80 420 lm	214 lm 320 lm 200 lm
Red	●	163 lm 210 lm 190 lm
Green	●	342 lm 520 lm 400 lm
Blue	●	111 lm 160 lm 130 lm

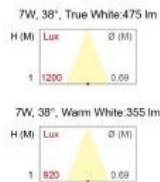
Chipsets	EPistar
Power Consumption	7 Watts
Beam Angle	60° 100° 120° 135°
True White	CRI 98 330 lm 330 lm
Warm White	CRI 98 240 lm 240 lm

V3 series

Chipsets	LUXEON Rebel
Power Consumption	1 Watt
Beam Angle	38° 80° 80° 120° 38° 80° 80° 120°
True White	CRI 80 120 lm 200 lm
Natural White	CRI 80 120 lm 200 lm
Warm White	CRI 80 70 lm 125 lm
Red	● 50 lm 100 lm
Green	● 120 lm 200 lm
Blue	● 35 lm 65 lm



Chipsets	CREE® MC-E	CREE® XM-L
Power Consumption	7 Watts	7 Watts
Beam Angle	38° 80° 80° 120° 30° 45° 72° 90° 110° 120°	
True White	CRI 80 475 lm 520 lm	
Natural White	CRI 80 410 lm 450 lm	
Warm White	CRI 80 355 lm 390 lm	



Chipsets	BRIDGELUX	BRIDGELUX SM4
Power Consumption	5 Watts	7 Watts
Beam Angle	50° 80° 72° 120° 50° 60° 72° 120° 38° 80° 90° 135°	
True White	CRI 65 390 lm 450 lm	500 lm
Warm White	CRI 80 260 lm 300 lm	380 lm



MR16

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

V2.5 series

Chipsets	EPistar
Power Consumption	5 Watts
Beam Angle	60° 90° 120° 60° 90° 120°
True White	CRI 75 350 lm 400 lm
Natural White	CRI 75 350 lm 400 lm
Warm White	CRI 75 270 lm 320 lm



V2 series

Chipsets	EPistar
Power Consumption	7 Watts
Beam Angle	45° 72° 80° 120°
True White	CRI 75 350 lm
Natural White	CRI 75 320 lm
Warm White	CRI 75 280 lm



V1 series

Chipsets	EPistar
Power Consumption	1 Watt
Beam Angle	38° 60° 80° 120° 38° 60° 80° 120° 38° 60° 80° 120° 38° 60° 80° 120°
True White	CRI 70 80 lm 160 lm 220 lm 250 lm
Natural White	CRI 70 80 lm 160 lm 220 lm 250 lm
Warm White	CRI 70 70 lm 130 lm 150 lm 170 lm
Red	● 28 lm 70 lm 120 lm 140 lm
Green	● 55 lm 80 lm 140 lm 170 lm
Blue	● 15 lm 24 lm 70 lm 80 lm



COLOR



G19 Globe

GX5.3 / GU5.3



Working Voltage **12V AC/DC**
Weight **0.9 oz. (25 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

Optional : AC Adapter



G19 Globe

E26 / 24 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E26 / 27 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

GU10 / GZ10



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.42 oz. (40 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E11



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E12 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E12 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E17



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E14 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

E14 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

B22D



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

G19 Globe

EZ10



Working Voltage **12V AC/DC**
Weight **1.4 oz. (38 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

Optional : AC Adapter





G19 Globe BA15S

Working Voltage **12V AC/DC**
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**



Optional : AC Adapter



G19 Globe BA15D

Working Voltage **12V AC/DC**
100 - 240V AC (PF ≥ 0.9)
Weight **1.7 oz. (48 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**



Optional : AC Adapter



CHIPSET LUMINOUS FLUX

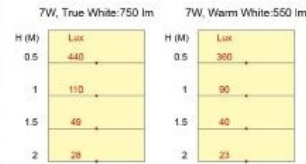
All Chipset Luminous Flux Data are indicated in max values

V7 series

Chipsets	CREE LEDs XT-E
Power Consumption	7 Watts
True White CRI 70	780 lm
Natural White CRI 80	650 lm
Warm White CRI 80	580 lm
Warm White CK: 2200K CRI 80	500 lm

V6 series

Chipsets	CREE LEDs MT-G
Power Consumption	7 Watts
True White CRI 75	750 lm
Natural White CRI 80	620 lm
Warm White CRI 80	550 lm

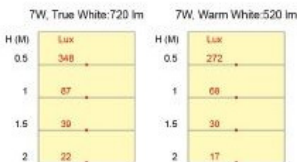


V5 series

Chipsets	LUXEON Rebel ES	CREE LEDs XP-G
Power Consumption	7 Watts	7 Watts
True White CRI 80	720 lm	720 lm
Natural White CRI 80	590 lm	590 lm
Warm White CRI 80	520 lm	520 lm
Warm White CRI 90	400 lm	-

Chipsets	CREE LEDs XB-D
Power Consumption	7 Watts
True White CRI 70	720 lm
Natural White CRI 80	590 lm
Warm White CRI 80	520 lm

Chipsets	OSRAM OSLOM SSL 150 LED
Power Consumption	7 Watts
True White CRI 70	720 lm
Natural White CRI 82	590 lm
Natural White CRI 95	520 lm
Warm White CRI 82	520 lm
Warm White CRI 95	400 lm



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

V4 series

Chipsets	LUXEON Rebel	CREE LEDs XP-G
Power Consumption	7 Watts	7 Watts
True White CRI 80	520 lm	520 lm
Natural White CRI 80	520 lm	455 lm
Warm White CRI 80	400 lm	420 lm
Warm White CRI 90	320 lm	-
Red	210 lm	-
Green	520 lm	-
Blue	160 lm	-

Chipsets	EPISTAR
Power Consumption	7 Watts
True White CRI 98	330 lm
Warm White CRI 98	240 lm

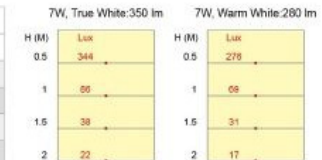
V3 series

Chipsets		LUXEON Rebel		CREE LEDs MC-E	CREE LEDs XM-L	BRIDGELUX SM4
Power Consumption		1 Watt	3 Watts	7 Watts	7 Watts	7 Watts
True White	CRI 70	-	-	-	-	500 lm
	CRI 80	120 lm	200 lm	475 lm	520 lm	-
Natural White	CRI 80	120 lm	200 lm	410 lm	450 lm	-
Warm White	CRI 80	70 lm	125 lm	355 lm	390 lm	380 lm
	CRI 90	56 lm	100 lm	-	-	-
Red		50 lm	100 lm	-	-	-
Green		120 lm	200 lm	-	-	-
Blue		35 lm	65 lm	-	-	-



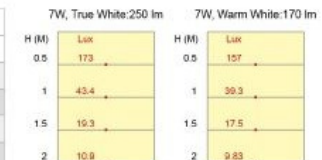
V2 series

Chipsets	EPISTAR
Power Consumption	7 Watts
True White CRI 75	350 lm
True White CRI 90	280 lm
Natural White CRI 75	320 lm
Natural White CRI 90	260 lm
Warm White CRI 75	280 lm
Warm White CRI 90	225 lm

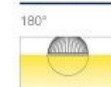


V1 series

Chipsets		EPISTAR	
Power Consumption		5 Watts	7 Watts
True White	CRI 70	220 lm	250 lm
	CRI 90	176 lm	200 lm
Natural White	CRI 70	220 lm	250 lm
	CRI 90	176 lm	200 lm
Warm White	CRI 70	150 lm	170 lm
	CRI 90	120 lm	138 lm
Red		120 lm	140 lm
Green		140 lm	170 lm
Blue		70 lm	80 lm



BEAM ANGLE



COLOR



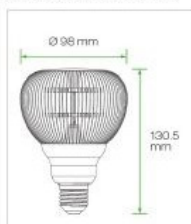
BR30

E26 / 24 (US)



Beam Angle :
25° / 38° / 45° / 120° / 135°

Beam Angle : 60° / 72° / 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **9.2 oz. (260 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

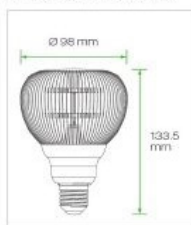
BR30

E26 / 27 (EURO)



Beam Angle :
25° / 38° / 45° / 120° / 135°

Beam Angle : 60° / 72° / 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **9.2 oz. (260 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

COLOR

True White Natural White Warm White



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	LUXEON Rebel		
Power Consumption	10 Watts	15 Watts	15 Watts
Beam Angle	120°	72°	120°
True White	CRI 80	800 lm	1000 lm
Natural White	CRI 80	720 lm	1000 lm
Warm White	CRI 80	550 lm	750 lm

15W, 120°, True White:1000 lm



15W, 120°, Warm White:750 lm



Chipsets	CREE LEDs XT-E				
Power Consumption	15 Watts	15 Watts	15 Watts	15 Watts	15 Watts
Beam Angle	100°			135°	
True White	CRI 70	1850 lm			
Natural White	CRI 80	1500 lm			
Warm White	CRI 80	1350 lm			
Warm White CK: 2200K	CRI 80	1200 lm			

15W, 135°, True White:1850 lm



15W, 135°, Warm White:1350 lm



Chipsets	CREE LEDs XP-E			CREE LEDs XP-G		
Power Consumption	10 Watts	15 Watts	15 Watts	15 Watts	15 Watts	15 Watts
Beam Angle	25°	72°	120°	38°	72°	120°
True White	CRI 80	780 lm	1000 lm			1800 lm
Natural White	CRI 80	680 lm	1000 lm			1475 lm
Warm White	CRI 80	630 lm	750 lm			1300 lm

15W, 120°, True White:1800 lm



15W, 120°, Warm White:1300 lm



Chipsets	CREE LEDs XM-L		
Power Consumption	15 Watts	15 Watts	15 Watts
Beam Angle	38°	45°	72°
True White	CRI 65	1920 lm	
Natural White	CRI 75	1780 lm	
Warm White	CRI 80	1500 lm	

Chipsets	CREE LEDs XP-E HEW	
Power Consumption	15 Watts	15 Watts
Beam Angle	100°	135°
True White	CRI 68	1150 lm
Natural White	CRI 75	1000 lm
Warm White	CRI 80	880 lm

15W, 100°, True White:1150 lm



15W, 100°, Warm White:880 lm



Chipsets	BRIDGELUX					
Power Consumption	10 Watts	10 Watts	10 Watts	15 Watts	15 Watts	15 Watts
Beam Angle	60°	72°	120°	60°	72°	120°
True White	CRI 65	850 lm		1200 lm		
Natural White	CRI 80	720 lm		1100 lm		
Warm White	CRI 82	620 lm		850 lm		

15W, 120°, True White:1200 lm



15W, 120°, Warm White:850 lm

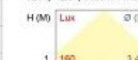


Chipsets	EPISTAR		
Power Consumption	12 Watts	12 Watts	12 Watts
Beam Angle	60°	72°	120°
True White	CRI 70	750 lm	
Natural White	CRI 70	730 lm	
Warm White	CRI 70	660 lm	

12W, 120°, True White:750 lm



12W, 120°, Warm White:660 lm

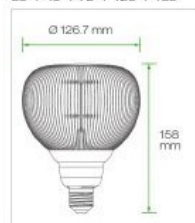


BR40

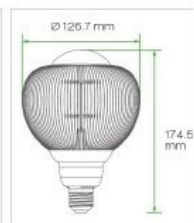
E26 / 24 (US)



Beam Angle :
38° / 45° / 72° / 120° / 135°



Beam Angle : 60° / 72° / 100°



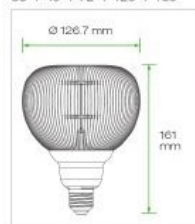
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **15.2 oz. (430 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

BR40

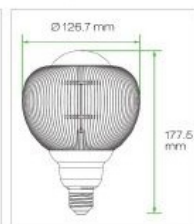
E26 / 27 (EURO)



Beam Angle :
38° / 45° / 72° / 120° / 135°



Beam Angle : 60° / 72° / 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **15.2 oz. (430 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

COMPATIBLE WITH E39/E40 SOCKET



COLOR

True White Natural White Warm White

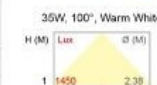


CHIPSET LUMINOUS FLUX

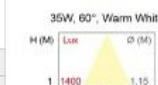
All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E	
Power Consumption	20 Watts	20 Watts
Beam Angle	100°	135°
True White	CRI 70	2000 lm
Natural White	CRI 80	1650 lm
Warm White	CRI 80	1450 lm
Warm White CK: 2200K	CRI 80	1250 lm

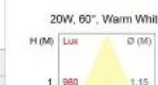
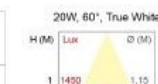
Chipsets	CREE® XM-L				
Power Consumption	35 Watts	35 Watts	35 Watts	35 Watts	35 Watts
Beam Angle	38°	45°	72°	100°	135°
True White	CRI 65	3550 lm			
Natural White	CRI 75	3100 lm			
Warm White	CRI 80	2550 lm			



Chipsets	BRIDGELUX®		
Power Consumption	35 Watts	35 Watts	35 Watts
Beam Angle	60°	72°	120°
True White	CRI 65	2750 lm	
Natural White	CRI 80	2500 lm	
Warm White	CRI 82	1780 lm	



Chipsets	BRIDGELUX®		
Power Consumption	20 Watts	20 Watts	20 Watts
Beam Angle	60°	72°	120°
True White	CRI 65	1600 lm	
Natural White	CRI 80	1450 lm	
Warm White	CRI 82	950 lm	





E26 / 24 (US)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135°

Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135°

Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets		CREE® XT-E LEDs						CREE® XP-G LEDs						CREE® XP-E LEDs					
Power Consumption		15 Watts			20 Watts			15 Watts			20 Watts			15 Watts			20 Watts		
Beam Angle		*10% 45° 60° 80° 100° 135° 45° 60° 80° 100° 135° 30° 50° 60° 80° 100° 135° 30° 50° 60° 80° 100° 135° 30° 38° 50° 80° 100° 135° 30° 38° 50° 80° 100° 135°																	
True White	CRI 70	1600 lm			2000 lm			-			-			-					
	CRI 80	-			-			1400 lm			1850 lm			1100 lm					
Natural White	CRI 80	1300 lm			1650 lm			1150 lm			1550 lm			950 lm					
Warm White	CRI 80	1150 lm			1450 lm			1000 lm			1350 lm			850 lm					
Warm White CK: 2200K	CRI 80	1000 lm			1250 lm			-			-			-					

Chipsets	LUXEON Rebel ES							LUXEON Rebel						
Power Consumption	15 Watts				20 Watts			15 Watts						
Beam Angle	*10%	30°	50°	60°	80°	100°	135°	30°	38°	45°	72°	100°	135°	
True White	CRI 80	1400 lm				1850 lm			1100 lm					
Natural White	CRI 80	1150 lm				1550 lm			950 lm					
Warm White	CRI 80	1000 lm				1350 lm			850 lm					
	CRI 90	800 lm				1090 lm			690 lm					

Chipsets	EPISTAR	
	15 Watts	
Beam Angle	*10% 80° 100° 135°	
True White	CRI 98	680 lm
Warm White	CRI 98	520 lm



E26 / 24 (US)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135°

Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135°

Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets		CREE® XT-E						CREE® XP-G						CREE® XP-E					
Power Consumption		15 Watts			20 Watts			15 Watts			20 Watts			15 Watts			20 Watts		
Beam Angle		*10% 45° 60° 80° 100° 135° 45° 60° 80° 100° 135° 30° 50° 60° 80° 100° 135° 30° 50° 60° 80° 100° 135° 30° 38° 50° 80° 100° 136° 30° 38° 50° 80° 100° 136°																	
True White	CRI 70	1600 lm			2000 lm			-			-			-					
	CRI 80	-			-			1400 lm			1850 lm			1100 lm					
Natural White	CRI 80	1300 lm			1650 lm			1150 lm			1550 lm			950 lm					
Warm White	CRI 80	1150 lm			1450 lm			1000 lm			1350 lm			850 lm					
Warm White CK- 2200K	CRI 80	1000 lm			1250 lm			-			-			-					

Chipsets		LUXEON Rebel ES						LUXEON Rebel					
Power Consumption		15 Watts			20 Watts			15 Watts					
Beam Angle	*10%	30°	50°	60°	80°	100°	135°	30°	38°	45°	72°	100°	135°
True White	CRI 80	1400 lm			1850 lm			1100 lm					
Natural White	CRI 80	1150 lm			1550 lm			950 lm					
Warm White	CRI 80	1000 lm			1350 lm			850 lm					
	CRI 90	800 lm			1090 lm			690 lm					

Chipsets	EPISTAR	
	15 Watts	
Beam Angle	*10% 80° 100° 135°	
True White	CRI 98	680 lm
Warm White	CRI 98	520 lm



E26 / 24 (US)

Beam Angle :
25°/ 38°/ 60°/ 90°/ 135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
25°/ 38°/ 60°/ 90°/ 135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E						CREE® XP-G						CREE® XB-D						CREE® XP-E			
Power Consumption	15 Watts				20 Watts		15 Watts			20 Watts			15 Watts				15 Watts					
Beam Angle	*10%		60°	90°	100°	135°	100°	135°	38°	100°	135°	100°	135°	38°	60°	90°	100°	135°	25°	100°	135°	
True White	CRI 70	1600 lm				2000 lm		-			-			1400 lm				-				
	CRI 80	-				-		1400 lm			1850 lm			-				1100 lm				
Natural White	CRI 80	1300 lm				1650 lm		1150 lm			1550 lm			1150 lm				950 lm				
Warm White	CRI 80	1150 lm				1450 lm		1000 lm			1350 lm			1000 lm				850 lm				
Warm White CK: 2200K	CRI 80	1000 lm				1250 lm		-			-			-				-				

Chipsets		LUXEON Rebel ES				LUXEON Rebel			
Power Consumption		15 Watts		20 Watts		15 Watts			
Beam Angle	*10%	100°	135°	100°	135°	100°	135°		
True White	CRI 80	1400 lm		1850 lm		1100 lm			
Natural White	CRI 80	1150 lm		1550 lm		950 lm			
Warm White	CRI 80	1000 lm		1350 lm		850 lm			
	CRI 90	800 lm		1090 lm		690 lm			

Chipsets		EPISTAR	
Power Consumption		15 Watts	
Beam Angle *10%		100°	135°
True White	CRI 98	680 lm	
Warm White	CRI 98	520 lm	



E26 / 24 (US)

Beam Angle :
25°/ 38°/ 60°/ 90°/ 135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
25°/ 38°/ 60°/ 90°/ 135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets		CREE® XT-E						CREE® XP-G						CREE® XB-D						CREE® XP-				
Power Consumption		15 Watts				20 Watts		15 Watts			20 Watts			15 Watts						15 Watts				
Beam Angle		°10%		60°	90°	100°	135°	100°	135°	38°	100°	135°	100°	135°	38°	60°	90°	100°	135°	25°	100°	135°		
True White	CRI 70	1600 lm				2000 lm		-			-			1400 lm						-				
	CRI 80	-				-		1400 lm			1850 lm			-						1100 lm				
Natural White		CRI 80	1300 lm				1650 lm		1150 lm			1550 lm			1150 lm						950 lm			
Warm White		CRI 80	1150 lm				1450 lm		1000 lm			1350 lm			1000 lm						850 lm			
Warm White CK: 2200K		CRI 80	1000 lm				1250 lm		-			-			-						-			

Chipsets		LUXEON Rebel ES				LUXEON Rebel			
Power Consumption		15 Watts		20 Watts		15 Watts			
Beam Angle		*10%		100°	135°	100°	135°	100°	135°
True White	CRI 80	1400 lm		1850 lm		1100 lm			
Natural White	CRI 80	1150 lm		1550 lm		950 lm			
Warm White	CRI 80	1000 lm		1350 lm		850 lm			
	CRI 90	800 lm		1090 lm		690 lm			

Chipsets		EPISTAR	
Power Consumption		15 Watts	
Beam Angle		*10%	100°
True White	CRI 98	680 lm	
Warm White	CRI 98	520 lm	



E26 / 24 (US)

Beam Angle :
38°/45°/60°/72°/120°/135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **17.6 oz. (500 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
38°/45°/60°/72°/120°/135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **17.6 oz. (500 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets		CREE® LEDs XT-E
Power Consumption		30 Watts
Beam Angle	*10%	100° 135°
True White	CRI 70	3050 lm
Natural White	CRI 80	2650 lm
Warm White	CRI 80	2180 lm
Warm White CK: 2200K	CRI 80	1950 lm

Chipsets		CREE® LEDs XM-L
Power Consumption		30 Watts
Beam Angle	*10%	38° 45° 72° 100° 135°
True White	CRI 85	3050 lm
Natural White	CRI 75	2550 lm
Warm White	CRI 80	2180 lm

Chipsets		BRIDGELUX®
Power Consumption		30 Watts
Beam Angle	*10%	60° 72° 100°
True White	CRI 65	2350 lm
Natural White	CRI 80	2140 lm
Warm White	CRI 82	1520 lm

Designed specifically for retail applications, ALT Metis series is ideal to better the world with its distinctive features. ALT Metis products are engineered and designed in such an aesthetic way, featuring with an unique physical design, and creating a blaze of the light within the beam. Moreover, like our Spotlight and Chandeliers, ALT Metis can attain some particular lighting applications. The elegant of Metis is perfectly expressed via its well-designed shape



FEATURES

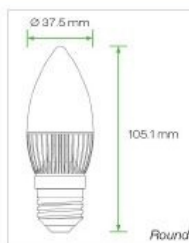
- Unique product design of ALTLED
- Provides multiple uses of indoor lighting
- Up to 90% energy saving compared to standard halogen lamp.

APPLICATIONS

- Shop Lighting
- Commercial Lighting
- Boutique Lighting
- Illumination Lighting
- Hotel Lighting

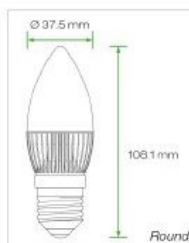
Chandelier Light

Chandelier Light E26 / 24 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E26 / 27 (EURO)



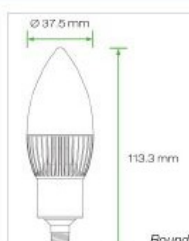
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light GU10 / GZ10



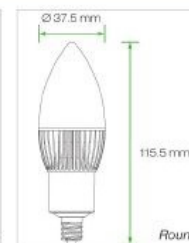
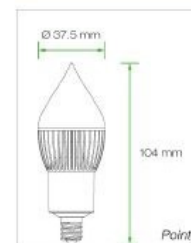
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **2.8 oz. (80 - 85 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E11



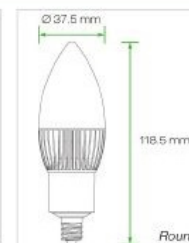
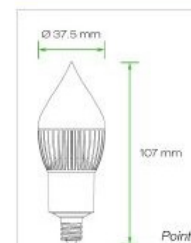
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E12 (US)



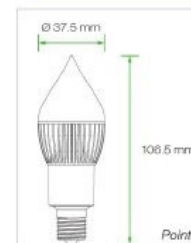
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E12 (EURO)



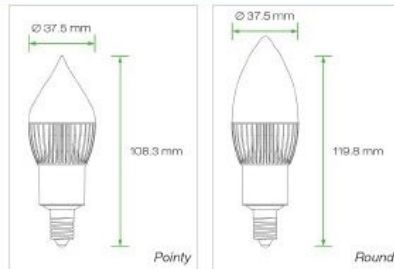
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E17



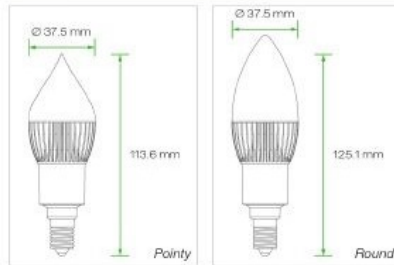
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E14 (US)



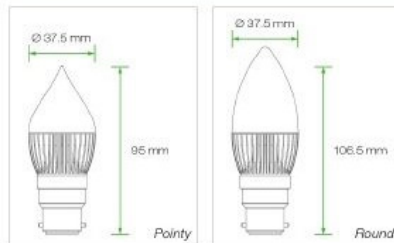
Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light E14 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 - 95 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

Chandelier Light B22D



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **2.8 oz. (80 - 85 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE [®] XT-E	CREE [®] XB-D	CREE [®] XP-G
Power Consumption	3 Watts	3 Watts	3 Watts
Beam Angle	180°	180° / 270°	180° / 270°
True White	CRI 70	300 lm	280 lm
	CRI 80	-	280 lm
Natural White	CRI 80	270 lm	250 lm
Warm White	CRI 80	220 lm	200 lm
Warm White CCT: 2200K	CRI 80	200 lm	-

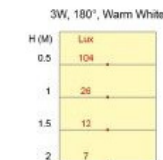
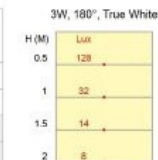
Chipsets	CREE [®] XP-E
Power Consumption	3 Watts
Beam Angle	180° / 270°
True White	CRI 80
Natural White	CRI 80
Warm White	CRI 80
Red	100 lm
Green	180 lm
Blue	60 lm



Chipsets	LUXEON [®] Rebel
Power Consumption	3 Watts
Beam Angle	180° / 270°
True White	CRI 80
Natural White	CRI 80
Warm White	CRI 80
Warm White	CRI 90
Red	100 lm
Green	200 lm
Blue	65 lm



Chipsets	LUXEON [®] Rebel ES
Power Consumption	3 Watts
Beam Angle	180° / 270°
True White	CRI 80
Natural White	CRI 80
Warm White	CRI 80
Warm White	CRI 90



BEAM ANGLE



A19 Bulb

A19 Bulb
E26 / 24 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E26 / 27 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E11



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E12 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E12 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E14 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E14 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb
E17



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

A19 Bulb B22D



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90 g)**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

V7 series

Chipsets	CREE® LEDs XT-E
Power Consumption	7 Watts
True White	CRI 70 780 lm
Natural White	CRI 80 650 lm
Warm White	CRI 80 580 lm
Warm White	CK: 2200K CRI 80 500 lm

V6 series

Chipsets	CREE® LEDs MT-G
Power Consumption	7 Watts
True White	CRI 75 750 lm
Natural White	CRI 80 620 lm
Warm White	CRI 80 550 lm

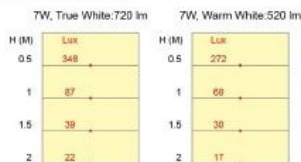


V5 series

Chipsets	LUXEON Rebel ES	CREE® LEDs XP-G
Power Consumption	7 Watts	7 Watts
True White	CRI 80 720 lm	720 lm
Natural White	CRI 80 590 lm	590 lm
Warm White	CRI 80 520 lm	520 lm
Warm White	CRI 90 400 lm	-

Chipsets	CREE® LEDs XB-D
Power Consumption	7 Watts
True White	CRI 70 720 lm
Natural White	CRI 80 590 lm
Warm White	CRI 80 520 lm

Chipsets	OSRAM OSLOM SSL 150 LED
Power Consumption	7 Watts
True White	CRI 70 720 lm
Natural White	CRI 82 590 lm
Natural White	CRI 95 520 lm
Warm White	CRI 82 520 lm
Warm White	CRI 95 400 lm



V4 series

Chipsets	LUXEON Rebel	CREE® LEDs XP-C
Power Consumption	7 Watts	7 Watts
True White	CRI 80 520 lm	520 lm
Natural White	CRI 80 520 lm	455 lm
Natural White	CRI 80 400 lm	420 lm
Warm White	CRI 82 520 lm	-
Warm White	CRI 90 320 lm	-
Red	● 210 lm	-
Green	● 520 lm	-
Blue	● 160 lm	-

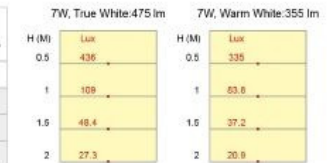
Chipsets	EPISTAR
Power Consumption	7 Watts
True White	CRI 98 330 lm
Warm White	CRI 98 240 lm

CHIPSET LUMINOUS FLUX

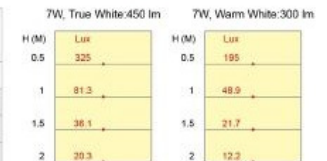
All Chipset Luminous Flux Data are indicated in max values

V3 series

Chipsets	CREE® LEDs MC-E	CREE® LEDs XM-L
Power Consumption	7 Watts	7 Watts
True White	CRI 80 475 lm	520 lm
Natural White	CRI 80 410 lm	450 lm
Warm White	CRI 80 355 lm	390 lm



Chipsets		 BRIDGELUX		 BRIDGELUX SM4
Power Consumption		5 Watts	7 Watts	7 Watts
True White	CRI 65	390 lm	450 lm	-
	CRI 70	-	-	500 lm
Warm White	CRI 80	-	-	380 lm
	CRI 82	260 lm	300 lm	-



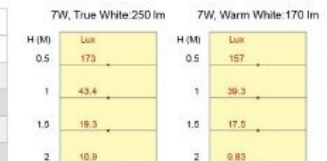
V2 series

Chipsets	EPISTAR
Power Consumption	7 Watts
True White	CRI 75 350 lm
True White	CRI 90 280 lm
Natural White	CRI 75 320 lm
Natural White	CRI 90 260 lm
Warm White	CRI 75 280 lm
Warm White	CRI 90 225 lm



V1 series

Chipsets		EPISTAR	
Power Consumption		5 Watts	7 Watts
True White	CRI 70	220 lm	250 lm
	CRI 90	178 lm	200 lm
Natural White	CRI 70	220 lm	250 lm
	CRI 90	178 lm	200 lm
Warm White	CRI 70	150 lm	170 lm
	CRI 90	120 lm	136 lm
Red	●	120 lm	140 lm
Green	●	140 lm	170 lm
Blue	●	70 lm	80 lm



BEAM ANGLE

180°





A55 Bulb

E26 / 24 (US)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90-100 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

A55 Bulb

E26 / 27 (EURO)



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90-100 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

A55 Bulb

E17



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90-100 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

A55 Bulb

B22D

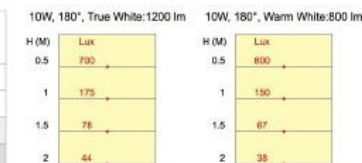


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **3.2 oz. (90-100 g)**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Years Limited**

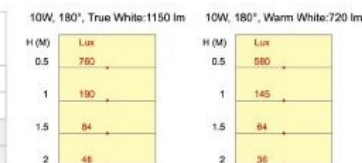
CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets		CREE® XT-E	CREE® MT-G	CREE® XM-L
Power Consumption		10 Watts	10 Watts	
Beam Angle		180°	180° / 360° (Omnidirection)	
True White	CRI 70	1250 lm	-	-
	CRI 75	-	1200 lm	890 lm
Natural White	CRI 80	1000 lm	950 lm	770 lm
Warm White	CRI 80	850 lm	800 lm	650 lm
Warm White	CRI 80	750 lm	-	-
C.K.: 2200K				



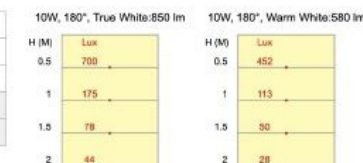
Chipsets		CREE® XP-E HEW	CREE® XP-G	CREE® XB-D
Power Consumption		10 Watts	10 Watts	
Beam Angle		180° / 360° (Omnidirection)	180°	
True White	CRI 70	-	-	1150 lm
	CRI 80	960 lm	1150 lm	-
Natural White	CRI 80	850 lm	900 lm	900 lm
Warm White	CRI 80	700 lm	720 lm	720 lm



Chipsets		LUXEON® Rebel ES	LUXEON® Rebel
Power Consumption		10 Watts	
Beam Angle		180° / 360° (Omnidirection)	
True White	CRI 80	1120 lm	850 lm
Natural White	CRI 80	900 lm	800 lm
Warm White	CRI 80	720 lm	580 lm
	CRI 90	580 lm	470 lm



Chipsets		EPISTAR
Power Consumption		10 Watts
Beam Angle		180° / 360° (Omnidirection)
True White	CRI 70	850 lm
Warm White	CRI 80	580 lm



Light Distribution



T8 Tube

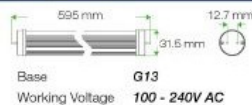
Completely adaptable to any public spaces, ALT's Orion T8 is a truly revolutionary product. It converts the inefficient traditional fluorescents to energy-saving, long lasting, and mercury free LED system. Ideal for Main Indoor Lighting, Orion T8 Series, available in 2-foot, 4-foot, and 5-foot versions, can be used in classrooms, offices, hospitals, supermarkets, general warehouses, and others.

Tested locally by ALT's engineers, all Orion T8 products are approved by the most important safety certification organizations in the world. It comes with a 3-year warranty and 2 million US dollars product liability insurance, and is rated up to 50,000 hours of use.



T8 Tube - V1 series

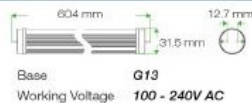
T01 (2-feet) Compliant with Asian specifications



Weight **15.9 oz. (450 g)**
Operating Temp **-20°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

T8 Tube - V1 series

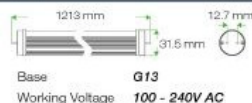
T02 (2-feet) Compliant with Australian and European specifications



Weight **15.9 oz. (450 g)**
Operating Temp **-20°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

T8 Tube - V1 series

T03 (4-feet) Compliant with Asian specifications



Weight **33.6 oz. (950 g)**
Operating Temp **-20°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

BEAM ANGLE

Chipsets	EPISTAR		
	T01 (2-feet)	T02 (2-feet)	T03 (4-feet)
Type			
Power Consumption	12 Watts	12 Watts	24 Watts
True White CRI 70	900 lm	900 lm	1800 lm
Warm White CRI 70	720 lm	720 lm	1440 lm



T8 Tube - V2 series

T01 (2-feet) Compliant with Asian specifications



Base **G13**
Weight **8.9 oz. (230 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube - V2 series

T02 (2-feet) Compliant with Australian and European specifications



Base **G13**
Weight **8.9 oz. (230 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube - V2 series

T03 (4-feet) Compliant with Asian specifications



Base **G13**
Weight **17.7 oz. (460 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube - V2 series

T04 (5-feet)



Base **G13**
Weight **26.5 oz. (645 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube with T5 Base - V2 series

T01 (2-feet) Compliant with Asian specifications



Base **G5**
Weight **8.9 oz. (230 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input



T8 Tube - V3 series
T01 (2-feet) Compliant with Asian specifications



CEFC **RoHS** **Intertek**
Base **G13**
Weight **6.4 oz. (180 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube - V3 series
T02 (2-feet) Compliant with Australian and European specifications



CEFC **RoHS** **Intertek**
Base **G13**
Weight **6.4 oz. (180 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube - V3 series
T03 (4-feet) Compliant with Asian specifications



CEFC **RoHS** **Intertek**
Base **G13**
Weight **12.8 oz. (360 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

T8 Tube - V3 series
T04 (5-feet)



CEFC **RoHS** **Intertek**
Base **G13**
Weight **16 oz. (450 g)**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input



T8 Tube with T5 Base - V3 series
T01 (2-feet) Compliant with Asian specifications



CEFC **RoHS** **Intertek**
Base **G5**
Weight **6.4 oz. (180 g)**
Power Consumption **8 Watts**
Working Voltage **100 - 240V AC**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**
Driver **(1) double-end input**
(2) single-end input

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

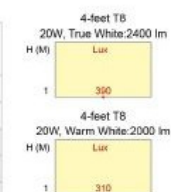
CREE® LEDS CLA1B					
Chipsets					
Type	T01 (2-feet) / T02 (2-feet)		T03 (4-feet)		T04 (5-feet)
Power Consumption	8 Watts	10 Watts	16 Watts	20 Watts	20 Watts
True White CRI 75	1000 lm	1200 lm	2000 lm	2400 lm	2400 lm
Natural White CRI 80	900 lm	1100 lm	1800 lm	2200 lm	2200 lm
Warm White CRI 80	800 lm	1000 lm	1600 lm	2000 lm	2000 lm



CREE® LEDS CLA1A					
Chipsets					
Type	T01 (2-feet) / T02 (2-feet)		T03 (4-feet)		
Power Consumption	8 Watts	10 Watts	16 Watts	20 Watts	20 Watts
True White CRI 80	800 lm	1000 lm	1600 lm	2000 lm	2000 lm
Warm White CRI 80	700 lm	800 lm	1400 lm	1600 lm	1600 lm



OSRAM® Duris E3 LED					
Chipsets					
Type	T01 (2-feet) / T02 (2-feet)		T03 (4-feet)		T04 (5-feet)
Power Consumption	8 Watts	10 Watts	16 Watts	20 Watts	20 Watts
True White CRI 80	950 lm	1200 lm	1900 lm	2400 lm	2400 lm
Natural White CRI 80	900 lm	1100 lm	1800 lm	2200 lm	2200 lm
Warm White CRI 80	800 lm	1000 lm	1600 lm	2000 lm	2000 lm



SEOUL					
Chipsets					
Type	T01 (2-feet) / T02 (2-feet)		T03 (4-feet)		T04 (5-feet)
Power Consumption	8 Watts	10 Watts	16 Watts	20 Watts	20 Watts
True White CRI 80	950 lm	1200 lm	1900 lm	2400 lm	2400 lm
Warm White CRI 80	800 lm	1000 lm	1600 lm	2000 lm	2000 lm



EPISTAR				
Chipsets				
Type	T01 (2-feet) / T02 (2-feet)		T03 (4-feet)	T04 (5-feet)
Power Consumption	10 Watts		20 Watts	20 Watts
True White CRI 70	950 lm		1900 lm	1900 lm
Warm White CRI 70	800 lm		1600 lm	1600 lm



BEAM ANGLE



LENS TYPE

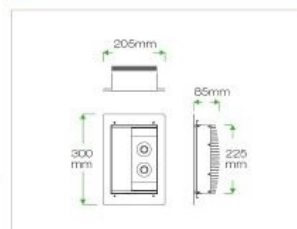
- Clear
- Semi-Frosted
- Frosted

Customized available

- T8 tube with T5 base
- T8 tube with base pins rotated 90 degrees



R02t25



Lighting Direction
Working Voltage
Power Factor
Weight
Operating Temp
Lifespan
Warranty

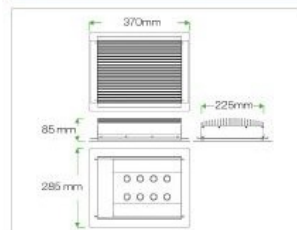
Single Lighting Direction
100 - 240V AC
≥ 0.9
70.6 oz. (2 kg)
-40°C to +50°C
50,000 hours
3 Years Limited



Flameproof, Fire resistant Board
Material : Optional
Dimension : 600x600 (mm)
Thickness : 8 (mm)



R02t50



Lighting Direction
Working Voltage
Power Factor
Weight
Operating Temp
Lifespan
Warranty

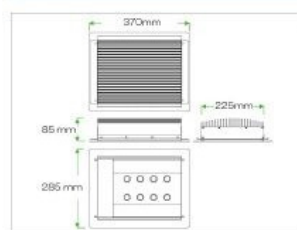
Single Lighting Direction
100 - 240V AC
≥ 0.9
141 oz. (4 kg)
-40°C to +50°C
50,000 hours
3 Years Limited



Flameproof, Fire resistant Board
Material : Optional
Dimension : 600x600 (mm)
Thickness : 8 (mm)



R02t75



Lighting Direction
Working Voltage
Power Factor
Weight
Operating Temp
Lifespan
Warranty

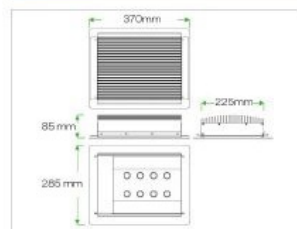
Single Lighting Direction
100 - 240V AC
≥ 0.9
141 oz. (4 kg)
-40°C to +50°C
50,000 hours
3 Years Limited



Flameproof, Fire resistant Board
Material : Optional
Dimension : 600x600 (mm)
Thickness : 8 (mm)



R02t100



Lighting Direction
Working Voltage
Power Factor
Weight
Operating Temp
Lifespan
Warranty

Single Lighting Direction
100 - 240V AC
≥ 0.9
141 oz. (4 kg)
-40°C to +50°C
50,000 hours
3 Years Limited



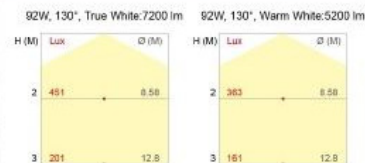
Flameproof, Fire resistant Board
Material : Optional
Dimension : 600x600 (mm)
Thickness : 8 (mm)



CHIPSET LUMINOUS FLUX

CREE® LEDs XB-D					
Chipsets	R02t25	R02t50	R02t75	R02t100	
Type	R02t25	R02t50	R02t75	R02t100	
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130°				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	

All Chipset Luminous Flux Data are indicated in max values



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

CREE® LEDs XT-E				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130°			
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm
Warm White CK: 2200K CRI 80	1750 lm	3500 lm	5250 lm	7000 lm

CREE® LEDs XP-G				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130°			
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm

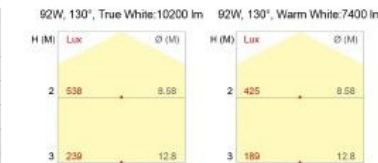
CREE® LEDs XP-E				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130°			
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm

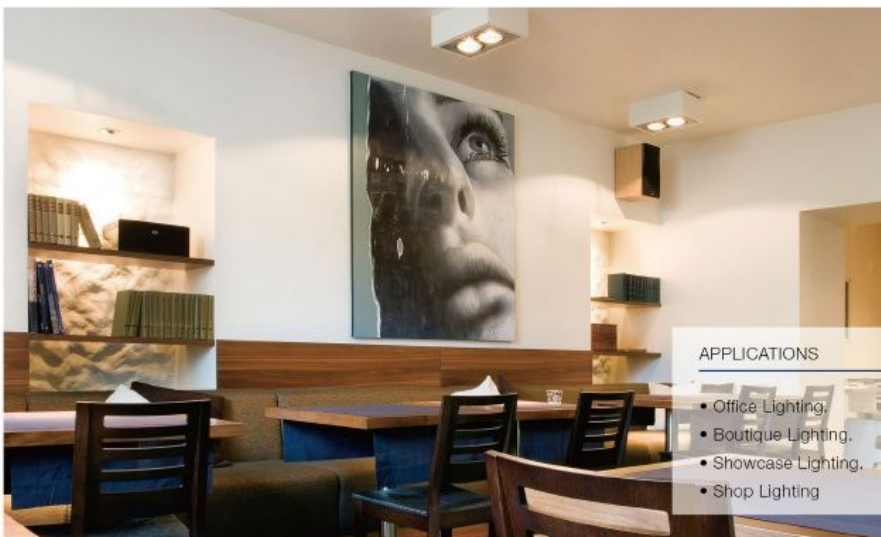
LUXEON Rebel ES				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130°			
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm

LUXEON Rebel				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130°			
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm

BRIDGELUX				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts
Beam Angle	130°			
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm

EPISTAR				
Chipsets	R02t25	R02t50	R02t75	R02t100
Type	R02t25	R02t50	R02t75	R02t100
Power Consumption	25 Watts	50 Watts	75 Watts	100 Watts
Beam Angle	130°			
True White CRI 70	1600 lm	3600 lm	4800 lm	6400 lm
Natural White CRI 70	1600 lm	3600 lm	4800 lm	6400 lm
Warm White CRI 70	1200 lm	2400 lm	3600 lm	4800 lm



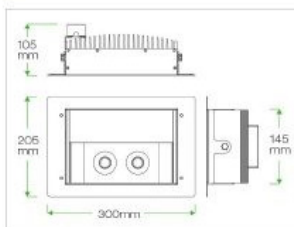


APPLICATIONS

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



Ceiling Light
R20t25a



Lighting Direction
Working Voltage
Power Factor
Weight
Operating Temp
Lifespan
Warranty

Adjustable Lighting Direction
100 - 240V AC
≥ 0.9
70.6 oz. (2 kg)
-40°C to +50°C
50,000 hours
3 Years Limited



Flameproof, Fire resistant Board
Material : Optional
Dimension : 600x600 (mm)
Thickness : 8 (mm)



FEATURES

Like any other ALT product, ALT's Orion Ceiling Light is also a truly 100% green product with it's high performance in energy saving. Orion Ceiling Lights is the best replacement for traditional halogen lamps, such as AR111, offering more than 60% energy saving and a visually pleasing functional source of light. Different from the traditional lighting system, Orion Ceiling Light Series helps to promote products in the department stores, art gallery, jewellery stores, and other elegant boutiques which makes them look astonishingly better. The cold light source will protect your products from the heat damage, and also enhance their appearance. Orion Ceiling Light will give designers the ability to control specific levels of lighting to attain the desired ambience.



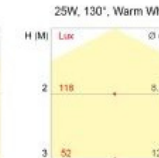
CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E
Type	R20t25a
Power Consumption	25 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130°
True White CRI 70	2800 lm
Natural White CRI 80	2450 lm
Warm White CRI 80	2000 lm
Warm White CK-2200K CRI 80	1750 lm



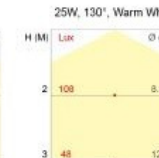
Chipsets	CREE® XP-G
Type	R20t25a
Power Consumption	25 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135°
True White CRI 80	2550 lm
Natural White CRI 80	2200 lm
Warm White CRI 80	1800 lm



Chipsets	CREE® XP-E / XB-D
Type	R20t25a
Power Consumption	25 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135°
True White CRI 80	1800 lm
Natural White CRI 80	1600 lm
Warm White CRI 80	1300 lm



Chipsets	LUXEON Rebel ES
Type	R20t25a
Power Consumption	25 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135°
True White CRI 80	2550 lm
Natural White CRI 80	2200 lm
Warm White CRI 80	1800 lm



Chipsets	LUXEON Rebel
Type	R20t25a
Power Consumption	25 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135°
True White CRI 80	1800 lm
Natural White CRI 80	1600 lm
Warm White CRI 80	1300 lm



Chipsets	BRIDGELUX
Type	R20t25a
Power Consumption	30 Watts
Beam Angle	130°
True White CRI 65	2500 lm
Natural White CRI 80	2000 lm
Warm White CRI 82	1800 lm



Chipsets	EPISTAR
Type	R20t25a
Power Consumption	25 Watts
Beam Angle	130°
True White CRI 70	1600 lm
Natural White CRI 70	1600 lm
Warm White CRI 70	1200 lm





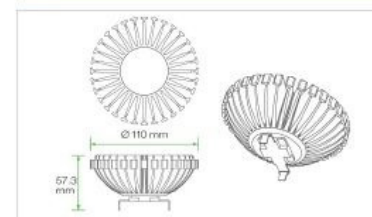
APPLICATIONS

- 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.

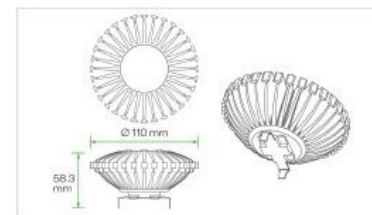
AR111



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



ALTLED® Dimmable products are designed for special lighting purpose, such as restaurant, bar showcase, and motel room. Contrasting to traditional lighting, ALTLED® Dimmable products offer various colors and angles to choose from. With ALT's special dimmer design, you will experience a better dimming effect. Normally, you can use ALTLED® Dimmable products as general lighting; in special occasions, you can use ALTLED® Dimmable products to create a different atmosphere. ALTLED® Dimmable products will become your own lighting designer and create extra value and lighting effect for your environment.

Three Advantages for Dimmable Products :

- Special dimmable design: with ALT exclusive dimmer, you can enjoy better dimming effects.
- Fully supporting: support all range of projectors and global light bulb dimmable design and compatible with your requirement.
- Compatible with your original lighting system: including one dimmer to one lamp and one dimmer to multiple lamps.

Asteria series

MR16 Dimmable



(ALT DIMMER ONLY)
P. 56



MR16 Dimmable with ALT 8V Transformer
(Compatible with all dimmers)
P. 57



MR16 Dimmable internal Transformer
(Compatible with all dimmers)
P. 58



(Compatible with all dimmers)
P. 59

G19 Globe Dimmable



(ALT DIMMER ONLY)
P. 60



G19 Globe Dimmable with ALT 8V Transformer
(Compatible with all dimmers)
P. 61



G19 Globe Dimmable internal Transformer
(Compatible with all dimmers)
P. 62



(Compatible with all dimmers)
P. 62

BR30 / BR40 Dimmable



(Compatible with all dimmers)
P. 63



(Compatible with all dimmers)
P. 64



(Compatible with all dimmers)
P. 65



(Compatible with all dimmers)
P. 66

Metis series

Spotlight Dimmable



(Compatible with all dimmers)
P. 67

Chandelier Light Dimmable



(Compatible with all dimmers)
P. 67

A19 Bulb Dimmable



A19 Bulb Dimmable internal Transformer
(Compatible with all dimmers)
P. 68

A19 Bulb Dimmable



(Compatible with all dimmers)
P. 68

A55 Bulb



(Compatible with all dimmers)
P. 69

MR16 series

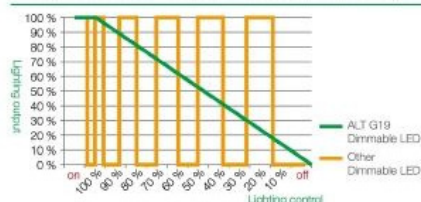


Working Voltage **100 - 240V AC**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

ALT Dimmer **120(L)x70(W)x50(H)**
6.7 oz. (190 g)



COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	ALT	Others
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker

Smooth dimming function fades from 100% to 0% light output without flicker. High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.

SPECIFICATIONS

Base : GX5.3/GU5.3 M01 Ø 50.5 mm H 45.5 mm Weight : 25 g M02 Ø 49.7 mm H 45.5 mm Weight : 48 g	Base : B22D M01 Ø 50.5 mm H 52 mm Weight : 40 g M02 Ø 49.7 mm H 52 mm Weight : 48 g	Base : GU10 / GZ10 M01 Ø 50.5 mm H 56.9 mm Weight : 40 g M02 Ø 49.7 mm H 56.9 mm Weight : 48 g	Base : E26/24 (US) M01 Ø 50.5 mm H 57.9 mm Weight : 48 g M02 Ø 49.7 mm H 57.9 mm Weight : 48 g	Base : E26/27 (EURO) M01 Ø 50.5 mm H 60.6 mm Weight : 48 g M02 Ø 49.7 mm H 60.6 mm Weight : 48 g	Base : E11 M01 Ø 50.5 mm H 71 mm Weight : 48 g M02 Ø 49.7 mm H 71 mm Weight : 48 g	Base : E12 (US) M01 Ø 50.5 mm H 71 mm Weight : 48 g M02 Ø 49.7 mm H 71 mm Weight : 48 g
Base : E12 (EURO) M01 Ø 50.5 mm H 74 mm Weight : 48 g M02 Ø 49.7 mm H 74 mm Weight : 48 g	Base : E14 (US) M01 Ø 50.5 mm H 75 mm Weight : 48 g M02 Ø 49.7 mm H 75 mm Weight : 48 g	Base : E14 (EURO) M01 Ø 50.5 mm H 78 mm Weight : 48 g M02 Ø 49.7 mm H 78 mm Weight : 48 g	Base : E17 M01 Ø 50.5 mm H 75 mm Weight : 48 g M02 Ø 49.7 mm H 75 mm Weight : 48 g	Base : EZ10 M01 Ø 50.5 mm H 60.8 mm Weight : 38 g M02 Ø 49.7 mm H 60.8 mm Weight : 38 g	Base : BA15S M01 Ø 50.5 mm H 73.6 mm Weight : 48 g M02 Ø 49.7 mm H 73.6 mm Weight : 48 g	Base : BA15D M01 Ø 50.5 mm H 73.6 mm Weight : 48 g M02 Ø 49.7 mm H 73.6 mm Weight : 48 g

NOTES

*M01: The format of M01 is the most effective design of thermal conductivity within the MR16 series. *M02: In compliance with ANSI standard, can be installed in any MR16 fixtures.

COLOR



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Refer to page 17 to page 19 for details.

MR16 Dimmable with ALT 8V Transformer



Working Voltage **110V AC**
220V AC
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

ALT Dimmable Transformer

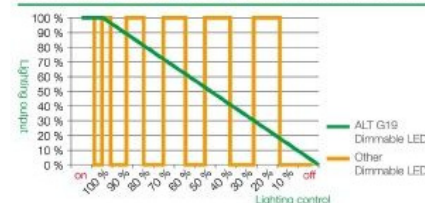


FEATURES

ALT's new Dimmable Series comes with a patented 8V transformer that delivers a wide, uniform dimming range free of flicker, best-in-class dimming performance, and high efficiency

- All while maintaining the original lifespan of the LED chip.
- Single dimmer for multiple MR16 LEDs.
- Easy to install : Direct replacement of the existing 8V transformer.

COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	ALT	Others
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker

Smooth dimming function fades from 100% to 0% light output without flicker. High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.

SPECIFICATIONS

Base : GX5.3/GU5.3 M01 Ø 50.5 mm H 45.5 mm Weight : 25 g M02 Ø 49.7 mm H 45.5 mm Weight : 48 g	Base : B22D M01 Ø 50.5 mm H 52 mm Weight : 40 g M02 Ø 49.7 mm H 52 mm Weight : 48 g	Base : GU10 / GZ10 M01 Ø 50.5 mm H 56.9 mm Weight : 40 g M02 Ø 49.7 mm H 56.9 mm Weight : 48 g	Base : E26/24 (US) M01 Ø 50.5 mm H 57.9 mm Weight : 48 g M02 Ø 49.7 mm H 57.9 mm Weight : 48 g	Base : E26/27 (EURO) M01 Ø 50.5 mm H 60.8 mm Weight : 48 g M02 Ø 49.7 mm H 60.8 mm Weight : 48 g	Base : E11 M01 Ø 50.5 mm H 71 mm Weight : 48 g M02 Ø 49.7 mm H 71 mm Weight : 48 g	Base : E12 (US) M01 Ø 50.5 mm H 71 mm Weight : 48 g M02 Ø 49.7 mm H 71 mm Weight : 48 g
Base : E12 (EURO) M01 Ø 50.5 mm H 74 mm Weight : 48 g M02 Ø 49.7 mm H 74 mm Weight : 48 g	Base : E14 (US) M01 Ø 50.5 mm H 75 mm Weight : 48 g M02 Ø 49.7 mm H 75 mm Weight : 48 g	Base : E14 (EURO) M01 Ø 50.5 mm H 78 mm Weight : 48 g M02 Ø 49.7 mm H 78 mm Weight : 48 g	Base : E17 M01 Ø 50.5 mm H 75 mm Weight : 48 g M02 Ø 49.7 mm H 75 mm Weight : 48 g	Base : EZ10 M01 Ø 50.5 mm H 60.8 mm Weight : 38 g M02 Ø 49.7 mm H 60.8 mm Weight : 38 g	Base : BA15S M01 Ø 50.5 mm H 73.6 mm Weight : 48 g M02 Ø 49.7 mm H 73.6 mm Weight : 48 g	Base : BA15D M01 Ø 50.5 mm H 73.6 mm Weight : 48 g M02 Ø 49.7 mm H 73.6 mm Weight : 48 g

NOTES

*M01: The format of M01 is the most effective design of thermal conductivity within the MR16 series. *M02: In compliance with ANSI standard, can be installed in any MR16 fixtures.

COLOR



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Refer to page 17 to page 19 for details.

MR16 Dimmable - Internal Transformer



Working Voltage **110V AC
220V AC**

Operating Temp **-20°C to +40°C**

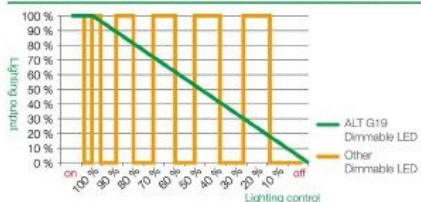
Lifespan **30,000 hours**

Warranty **3 Years Limited**

FEATURES

- Smooth dimming function fades from 100% to 0% light output without flicker.
- Elegant, rich and long-lasting lighting output ideal for Interior design.
- High density aluminum increase heat dissipation.
- Up to 90% energy saving compared to standard halogen lamp.

COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	ALT	Others
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker

Smooth dimming function fades from 100% to 0% light output without flicker. High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.

SPECIFICATIONS

Base : B22D M01 Ø 50.5 mm H 62 mm Weight : 48 g M02 Ø 49.7 mm H 62 mm	Base : GU10 / GZ10 M01 Ø 50.5 mm H 62 mm Weight : 40 g M02 Ø 50.5 mm H 56.9 mm	Base : E26/24 (US) M01 Ø 50.5 mm H 57.9 mm Weight : 48 g M02 Ø 49.7 mm H 57.9 mm	Base : E26/27 (EURO) M01 Ø 50.5 mm H 57.9 mm Weight : 48 g M02 Ø 49.7 mm H 57.9 mm	Base : E11 M01 Ø 50.5 mm H 68.6 mm Weight : 48 g M02 Ø 49.7 mm H 68.6 mm	Base : E12 (US) M01 Ø 50.5 mm H 71 mm Weight : 48 g M02 Ø 49.7 mm H 71 mm	Base : E12 (EURO) M01 Ø 50.5 mm H 74 mm Weight : 48 g M02 Ø 49.7 mm H 74 mm	Base : E14 (US) M01 Ø 50.5 mm H 75 mm Weight : 48 g M02 Ø 49.7 mm H 75 mm	Base : E14 (EURO) M01 Ø 50.5 mm H 78 mm Weight : 48 g M02 Ø 49.7 mm H 78 mm	Base : E17 M01 Ø 50.5 mm H 75 mm Weight : 48 g M02 Ø 49.7 mm H 75 mm	Base : BA15D M01 Ø 50.5 mm H 73.6 mm Weight : 48 g M02 Ø 49.7 mm H 73.6 mm
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NOTES

*M01: The format of M01 is the most effective design of thermal conductivity within the MR16 series. *M02: In compliance with ANSI standard, can be installed in any MR16 fixtures.

COLOR



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Power Consumption	7 Watts	Refer to page 17 to page 19 for details.
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MR16



Working Voltage **100V AC , 110V AC ,
120V AC , 220V AC ,
230V AC , 240V AC**

Operating Temp **-20°C to +40°C**

Lifespan **20,000 hours**

Warranty **1 Year Limited**



FEATURES

ALT proprietary dimmable component; excellent dimming function and no flicker. Adaptable solution for general dimmers in the market; one dimmer for multiple dimmable LEDs.

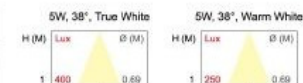
SPECIFICATIONS

Base : B22D M01 Ø 50.5x62 mm Weight : 48 g M02 Ø 49.7x62 mm	Base : GU10 / GZ10 M01 Ø 50.5x66.9 mm Weight : 40 g M02 Ø 49.7x66.9 mm	Base : E26 / 24 (US) M01 Ø 50.5x71.9 mm Weight : 48 g M02 Ø 49.7x71.9 mm	Base : E26 / 27 (EURO) M01 Ø 50.5x71.9 mm Weight : 48 g M02 Ø 49.7x71.9 mm	Base : E11 M01 Ø 50.5x88.6 mm Weight : 48 g M02 Ø 49.7x88.6 mm
Base : E12 (US) M01 Ø 50.5x71 mm Weight : 48 g M02 Ø 49.7x71 mm	Base : E12 (EURO) M01 Ø 50.5x74 mm Weight : 48 g M02 Ø 49.7x74 mm	Base : E14 (US) M01 Ø 50.5x75 mm Weight : 48 g M02 Ø 49.7x75 mm	Base : E14 (EURO) M01 Ø 50.5x78 mm Weight : 48 g M02 Ø 49.7x78 mm	Base : E17 M01 Ø 50.5x75 mm Weight : 48 g M02 Ø 49.7x75 mm

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	SEOUL	
Power Consumption	5 Watts	
Beam Angle	*10%	38° 60° 120°
True White	CRI 65	220 lm
Warm White	CRI 80	160 lm



COLOR



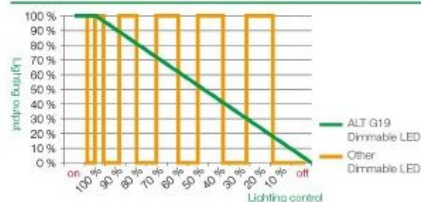
G19 Globe



Working Voltage **100 - 240V AC**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**
ALT Dimmer **120(L)x70(W)x50(H)**
6.7 oz. (190 g)



COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	ALT	Others
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker

Smooth dimming function fades from 100% to 0% light output without flicker. High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.

SPECIFICATIONS

Base : GX5.3/GU5.3 M01 Ø 50.5 x 70.5 mm Weight : 25 g	Base : B22D M01 Ø 50.5 x 87 mm Weight : 48 g	Base : GU10 / GZ10 M01 Ø 50.5 x 81.9 mm Weight : 40 g	Base : E26/24 (US) M01 Ø 50.5 x 82.9 mm Weight : 48 g	Base : E26/27 (EURO) M01 Ø 50.5 x 82.9 mm Weight : 48 g	Base : E11 M01 Ø 50.5 x 93.6 mm Weight : 48 g	Base : E12 (US) M01 Ø 50.5 x 96 mm Weight : 48 g
Base : E12 (EURO) M01 Ø 50.5 x 99 mm Weight : 48 g	Base : E14 (US) M01 Ø 50.5 x 100 mm Weight : 48 g	Base : E14 (EURO) M01 Ø 50.5 x 103 mm Weight : 48 g	Base : E17 M01 Ø 50.5 x 100 mm Weight : 48 g	Base : E210 M01 Ø 50.5 x 100 mm Weight : 38 g	Base : BA15S M01 Ø 50.5 x 73.6 mm Weight : 48 g	Base : BA15D M01 Ø 50.5 x 73.6 mm Weight : 48 g

BEAM ANGLE



COLOR



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Refer to page 22 to page 23 for details.

G19 Globe Dimmable with ALT 8V Transformer



Working Voltage **110V AC**
220V AC
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

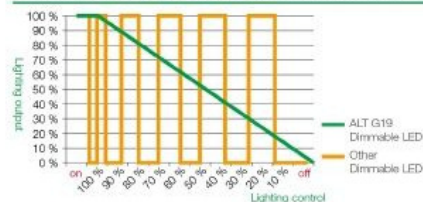


FEATURES

ALT's new Dimmable Series comes with a patented 8V transformer that delivers a wide, uniform dimming range free of flicker, best-in-class dimming performance, and high efficiency.

- All while maintaining the original lifespan of the LED chip.
- Single dimmer for multiple G19 LEDs.
- Easy to install : Direct replacement of the existing 12V transformer.

COMPARISON WITH OTHER DIMMABLE LED PRODUCTS



	ALT	Others
Dimming function comparison	NO Flicker.	Frequent / Constant Flicker

Smooth dimming function fades from 100% to 0% light output without flicker. High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy.

SPECIFICATIONS

Base : GX5.3/GU5.3 M01 Ø 50.5 x 70.5 mm Weight : 25 g	Base : B22D M01 Ø 50.5 x 87 mm Weight : 48 g	Base : GU10 / GZ10 M01 Ø 50.5 x 81.9 mm Weight : 40 g	Base : E26/24 (US) M01 Ø 50.5 x 82.9 mm Weight : 48 g	Base : E26/27 (EURO) M01 Ø 50.5 x 82.9 mm Weight : 48 g	Base : E11 M01 Ø 50.5 x 93.6 mm Weight : 48 g	Base : E12 (US) M01 Ø 50.5 x 96 mm Weight : 48 g
Base : E12 (EURO) M01 Ø 50.5 x 99 mm Weight : 48 g	Base : E14 (US) M01 Ø 50.5 x 100 mm Weight : 48 g	Base : E14 (EURO) M01 Ø 50.5 x 103 mm Weight : 48 g	Base : E17 M01 Ø 50.5 x 100 mm Weight : 48 g	Base : E210 M01 Ø 50.5 x 100 mm Weight : 38 g	Base : BA15S M01 Ø 50.5 x 73.6 mm Weight : 48 g	Base : BA15D M01 Ø 50.5 x 73.6 mm Weight : 48 g

BEAM ANGLE



COLOR



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Refer to page 22 to page 23 for details.



Compatible with all dimmers
One Dimmer to Multiple Dimmable LEDs.



G19 Globe Dimmable - Internal Transformer



Working Voltage **110V AC, 220V AC**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Power Consumption **7 Watts**

Refer to page 22 to page 23 for details.

FEATURES

- Smooth dimming function fades from 100% to 0% light output without flicker.
- Elegant, rich and long-lasting lighting output ideal for interior design.
- High density aluminum increase heat dissipation.
- Up to 90% energy saving compared to standard halogen lamp.

COLOR

True White Natural White Warm White



BEAM ANGLE

180°



SPECIFICATIONS

Base : B22D MD1 Ø 50.5 x 87 mm Weight : 49 g	Base : GU10 / G27 MD1 Ø 50.5 x 81.9 mm Weight : 40 g	Base : E26/24 (US) MD1 Ø 50.5 x 82.9 mm Weight : 49 g	Base : E26/27 (EURO) MD1 Ø 50.5 x 83.6 mm Weight : 49 g	Base : E17 MD1 Ø 50.5 x 93.6 mm Weight : 49 g
Base : E12 (US) MD1 Ø 50.5 x 96 mm Weight : 49 g	Base : E12 (EURO) MD1 Ø 50.5 x 99 mm Weight : 49 g	Base : E14 (US) MD1 Ø 50.5 x 100 mm Weight : 49 g	Base : E14 (EURO) MD1 Ø 50.5 x 103 mm Weight : 49 g	Base : E17 MD1 Ø 50.5 x 100 mm Weight : 49 g
Base : BA15D MD1 Ø 50.5 x 73.6 mm Weight : 49 g				



G19 Globe



Working Voltage **100V AC, 110V AC, 120V AC, 220V AC, 230V AC, 240V AC**
Operating Temp **-20°C to +40°C**
Lifespan **20,000 hours**
Warranty **1 Year Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	SEOUL
Power Consumption	5 Watts
True White	CRI 65 220 lm
Warm White	CRI 80 160 lm

COLOR



BEAM ANGLE

180°



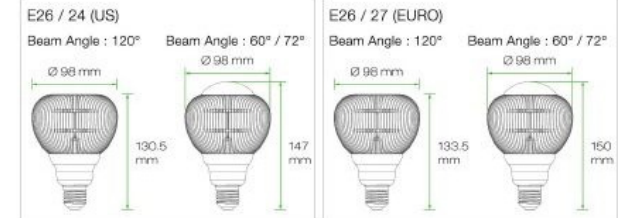
SPECIFICATIONS

Base : B22D MD1 Ø 50.5 x 87 mm Weight : 49 g	Base : GU10 / G27 MD1 Ø 50.5 x 81.9 mm Weight : 40 g	Base : E26/24 (US) MD1 Ø 50.5 x 82.9 mm Weight : 49 g	Base : E26/27 (EURO) MD1 Ø 50.5 x 83.6 mm Weight : 49 g	Base : E17 MD1 Ø 50.5 x 93.6 mm Weight : 49 g
Base : E12 (US) MD1 Ø 50.5 x 96 mm Weight : 49 g	Base : E12 (EURO) MD1 Ø 50.5 x 99 mm Weight : 49 g	Base : E14 (US) MD1 Ø 50.5 x 100 mm Weight : 49 g	Base : E14 (EURO) MD1 Ø 50.5 x 103 mm Weight : 49 g	Base : E17 MD1 Ø 50.5 x 100 mm Weight : 49 g
Base : BA15D MD1 Ø 50.5 x 73.6 mm Weight : 49 g				



Compatible with all dimmers
One Dimmer to Multiple Dimmable LEDs.

BR30



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	EPSTAR
Power Consumption	10 Watts
Beam Angle	~10% 60° 72° 120°
True White	CRI 70 400 lm
Natural White	CRI 70 400 lm
Warm White	CRI 70 300 lm



Working Voltage **110V AC, 220V AC**
Weight **9.2 oz. (260 g)**
Operating Temp **-20°C to +40°C**
Lifespan **20,000 hours**
Warranty **1 Year Limited**

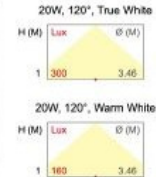
BR40



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	EPSTAR
Power Consumption	20 Watts
Beam Angle	~10% 60° 72° 120°
True White	CRI 70 800 lm
Natural White	CRI 70 800 lm
Warm White	CRI 70 600 lm



Working Voltage **110V AC, 220V AC**
Weight **15.2 oz. (430 g)**
Operating Temp **-20°C to +40°C**
Lifespan **20,000 hours**
Warranty **1 Year Limited**

BEAM ANGLE



COLOR



PAR30(IP68) - P03

IP68  

E26 / 24 (US)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

PAR30(IP68) - P04

IP68  

E26 / 24 (US)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
30°/38°/45°/50°/60°/72°/80°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

PAR30 - P01

E26 / 24 (US)

Beam Angle :
25°/38°/60°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
25°/38°/60°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

PAR30 - P02

E26 / 24 (US)

Beam Angle :
25°/38°/60°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
25°/38°/60°/90°/135° Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **14 oz. (400 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

PAR38



E26 / 24 (US)

Beam Angle :
38°/45°/60°/72°/120°/135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **17.6 oz. (500 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

E26 / 27 (EURO)

Beam Angle :
38°/45°/60°/72°/120°/135°



Beam Angle : 100°



Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **17.6 oz. (500 g)**
Operating Temp **-40°C to +40°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E
Power Consumption	30 Watts
Beam Angle	~10% 100° 135°
True White	CRI 70 3050 lm
Natural White	CRI 80 2850 lm
Warm White	CRI 80 2180 lm
Warm White	CRI 80 1950 lm

Chipsets	CREE® XM-L
Power Consumption	30 Watts
Beam Angle	~10% 38° 45° 72° 100° 135°
True White	CRI 85 3050 lm
Natural White	CRI 75 2550 lm
Warm White	CRI 80 2180 lm

Chipsets	BRIDGELUX
Power Consumption	30 Watts
Beam Angle	~10% 60° 72° 100°
True White	CRI 85 2350 lm
Natural White	CRI 80 2140 lm
Warm White	CRI 82 1520 lm

Spotlight



Working Voltage **100 - 130V AC**
220 - 240V AC
Operating Temp **-20°C to +40°C**
Lifespan **20,000 hours**
Warranty **1 Year Limited**

FEATURES

High quality LED chips from the world's top 5 chip manufacturers guarantee optimal luminance efficacy. Proprietary power design assures stability and endurance.

Base : E11	Base : E12 (US)	Base : E12 (EURO)	Base : E14 (US)	Base : E14 (EURO)	Base : E17	Base : E26 / 24 (US)	Base : E26/27 (EURO)	Base : E22D
Ø 50x77 mm 72 g	Ø 50x79 mm 72 g	Ø 50x82 mm 72 g	Ø 50x77 mm 72 g	Ø 50x86.5 mm 72 g	Ø 50x78 mm 72 g	Ø 50x78.65 mm 72 g	Ø 50x81.65 mm 72 g	Ø 50x78 mm 72 g

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	LUXEON Rebel ES
Power Consumption	8 Watts
Beam Angle	~10% 50°
True White	CRI 80 510 lm
Natural White	CRI 80 480 lm
Warm White	CRI 80 345 lm
Warm White	CRI 90 300 lm

Chipsets	LUXEON Rebel
Power Consumption	8 Watts
Beam Angle	~10% 30°
True White	CRI 80 450 lm
Natural White	CRI 80 420 lm
Warm White	CRI 80 300 lm
Red	190 lm
Green	450 lm
Blue	145 lm

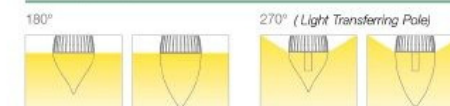


Chandelier Light



Working Voltage **110 - 130V AC**
220 - 240V AC
Operating Temp **-20°C to +40°C**
Lifespan **20,000 hours**
Warranty **3 Year Limited**

BEAM ANGLE



Base : E22D	Base : E26 / 24 (US)	Base : E26 / 27 (EURO)	Base : E11	Base : E12 (US)	Base : E12 (EURO)	Base : E14 (US)	Base : E14 (EURO)	Base : E17
Ø 57.5x105.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g	Ø 57.5x106.5 mm 90 g

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	LUXEON Rebel ES	LUXEON Rebel	CREE® XP-Q	CREE® XP-E
Power Consumption	4 Watts	4 Watts	4 Watts	4 Watts
Beam Angle	180° / 270°	180° / 270°	180° / 270°	180° / 270°
True White	CRI 80 320 lm	220 lm	320 lm	220 lm
Natural White	CRI 80 280 lm	220 lm	280 lm	200 lm
Warm White	CRI 80 220 lm	140 lm	220 lm	160 lm
Warm White	CRI 90 170 lm	-	-	-
Red	110 lm	-	110 lm	-
Green	220 lm	-	220 lm	-
Blue	70 lm	-	70 lm	-

Chipsets	CREE® XT-E	CREE® XB-D
Power Consumption	4 Watts	4 Watts
Beam Angle	180°	180° / 270°
True White	CRI 70 340 lm	320 lm
Natural White	CRI 80 300 lm	280 lm
Warm White	CRI 80 240 lm	220 lm
Warm White	CRI 80 220 lm	-



Compatible with all dimmers
One Dimmer to Multiple Dimmable LEDs.



A19 Bulb Dimmable - Internal Transformer



Working Voltage **110V AC
220V AC**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX
All Chipset Luminous Flux Data are indicated in max values

SPECIFICATIONS

Base : B22D	Base : E26 / 24 (US)	Base : E26 / 27 (EURO)	Base : E11	Base : E12 (US)
Ø 49.8x104 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	Ø 49.8x108 mm Weight : 90 g	Ø 49.8x99 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g
Base : E12 (EURO)	Base : E14 (US)	Base : E14 (EURO)	Base : E17	
Ø 49.8x105 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	

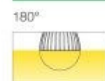
Power Consumption 7 Watts

Refer to page 40 to page 41 for details.

FEATURES

- Smooth dimming function fades from 100% to 0% light output without flicker.
- Elegant, rich and long-lasting lighting output ideal for Interior design.
- High density aluminum increase heat dissipation.
- Up to 90% energy saving compared to standard halogen lamp.

BEAM ANGLE



A19 Bulb



Working Voltage **100V AC , 110V AC ,
120V AC , 220V AC ,
230V AC , 240V AC**
Operating Temp **-20°C to +40°C**
Lifespan **20,000 hours**
Warranty **1 Year Limited**

CHIPSET LUMINOUS FLUX
All Chipset Luminous Flux Data are indicated in max values

SPECIFICATIONS

Base : B22D	Base : E26 / 24 (US)	Base : E26 / 27 (EURO)	Base : E11	Base : E12 (US)
Ø 49.8x104 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	Ø 49.8x108 mm Weight : 90 g	Ø 49.8x99 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g
Base : E12 (EURO)	Base : E14 (US)	Base : E14 (EURO)	Base : E17	
Ø 49.8x105 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	Ø 49.8x105 mm Weight : 90 g	

Chipsets	SEOL
Power Consumption	5 Watts
True White CRI 65	220 lm
Warm White CRI 80	160 lm

BEAM ANGLE



Compatible with all dimmers
One Dimmer to Multiple Dimmable LEDs.



A55 Bulb Dimmable

Working Voltage **110 - 130V AC
220 - 240V AC**
Operating Temp **-20°C to +40°C**
Lifespan **40,000 hours**
Warranty **3 Year Limited**

SPECIFICATIONS

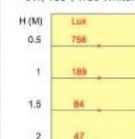
Base : B22D	Base : E17	Base : E26 / 24 (US)	Base : E26 / 27 (EURO)
Ø 55x107.9 mm Weight : 90 g	Ø 55x111.1 mm Weight : 90 g	Ø 55x104.7 mm Weight : 90 g	Ø 55x106.7 mm Weight : 90 g

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XP-E HEW	CREE® XP-G	CREE® MT-G	CREE® XM-L	CREE® XB-D	CREE® XT-E
Power Consumption	9 Watts	9 Watts	9 Watts	9 Watts	9 Watts	9 Watts
Light Distribution	180° / 360° (Omnidirection)					
True White	CRI 70	-	-	-	1000 lm	1120 lm
	CRI 75	-	-	1080 lm	800 lm	-
	CRI 80	880 lm	1000 lm	-	-	-
Natural White	CRI 80	780 lm	820 lm	870 lm	700 lm	850 lm
Warm White	CRI 80	630 lm	650 lm	720 lm	580 lm	650 lm
Warm White CK: 2200K	CRI 80	-	-	-	-	680 lm

9W, 180°, True White:1120 lm

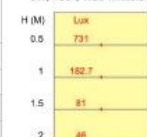


9W, 180°, Warm White:770 lm

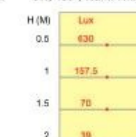


Chipsets	LUXEON Rebel ES	LUXEON Rebel
Power Consumption	9 Watts	9 Watts
Light Distribution	180° / 360° (Omnidirection)	
True White	CRI 80	980 lm
Natural White	CRI 80	820 lm
Warm White	CRI 80	650 lm
Warm White	CRI 90	520 lm

9W, 180°, True White:980 lm



9W, 180°, Warm White:650 lm

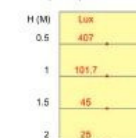


Chipsets		EPISTAR
Power Consumption		9 Watts
Light Distribution		180° / 360° (Omnidirection)
True White	CRI 70	780 lm
Warm White	CRI 80	550 lm

9W, 180°, True White:490 lm



9W, 180°, Warm White:360 lm



Light Distribution



(Light Transferring Pole)



ALT outdoor product line includes LED street light, wall wash light, and all kind of scene lighting. As global trend for clean energy, ALTLED® is the first company to create outdoor lighting products through high technology. ALT outdoor products can replace with all kind of lighting fixture directly, including high power LED streetlight with international standards.

Currently, ALTLED® outdoor series have several certifications and no other manufacturers can compete with. In addition to the international major certifications: UL, cUL, ETL, TUV, CE, and FCC, ALT Lodestar streetlight series is the only product passed the critical ITRI test and obtained CNS 15233 and CNS official Mark certification.

Five Major Advantages for Outdoor Series :

- Complete safety certifications: UL, cUL, ETL, TUV, CE, FCC and CNS 15233
- System stability: unique outdoor heat-dissipation design without being influenced by weather.
- Tough environment operation: pass several high and low temperature environment and salt tests. Suitable for any weather and environment.
- Highly availability: supporting various angles and power requirements, suitable for all kind of outdoor usages
- Total water-resistance: passed international IP68 water-resistance testing, can be used under water for more than 10,000 hours.

Lodestar series

Used in the past as a guide to navigators, LODESTAR is a bright, easily found star. As outdoor lighting series have to be, ALT's LODESTAR street light and flood light are beautiful, cost-saving, and with an incredible long life-span.

Street Light

S01



P. 73

S02



P. 74

S02 (Solar)



P. 76

Floodlight

F01



P. 79

F02



P. 80

F02 (Solar)



P. 82

Floodlight

Anti-Explosive Lamp



P. 84

Grow Light

Grow Light



P. 86

ALT's Lodestar street light series is the most efficient, and bright product in the LED industry as is to be expected from the stars. Possessing a high stability lighting due to its unique current fluctuation protection, our Street Lights can be placed in the harshest conditions. With a CRI of 80, Lodestar street light series provides high brightness and at the same time a much improved night vision to increase pedestrian and vehicle safety. Once a traditional street light is replaced for a Lodestar street light, your operating and maintenance costs will be dramatically reduced up to 60%. In addition, the light of our street lights can be easily directed, avoiding sending light in all directions to prevent from energy wasting. Beautiful, cost-saving, and with an incredible long life-span, Lodestar street light series is perfect to be a shining star in your street.



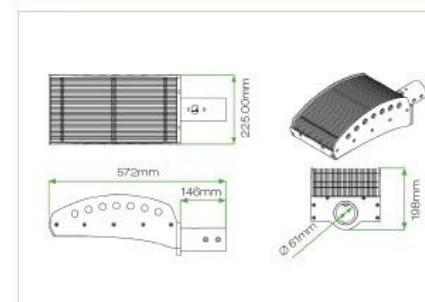
FEATURES

- IP68 waterproof standard.
- Salty fog testing approved.
- Integration of a patented aerospace structural design ensures optimal cooling.
- Compatible with all outdoor environments.

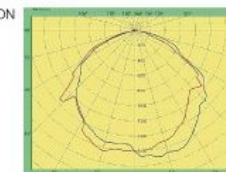
APPLICATIONS

- Street Lighting.
- Garden Lighting.
- Pedestrian Lane Applications.

Street Light S01



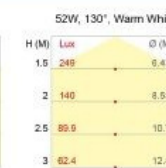
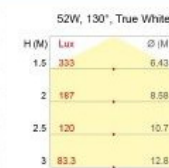
Working Voltage: **100 - 240V AC**
Weight: **113 oz. (9-11 kg)**
Applicable Pole Dimension: **1 5/8" - 2 3/8" (42 - 61 mm)**
Operating Temp: **-20°C to +50°C**
Lifespan: **50,000 hours**
Warranty: **3 Years Limited**
CANDLE POWER DISTRIBUTION
IES Classification
Type II, Short
Beam Angle : 130°



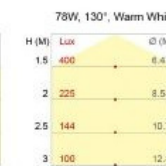
CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	EPISTAR
Type	S01-L60
Power Consumption	52 Watts
Beam Angle	130°
True White	CRI 70 3400 lm
Warm White	CRI 70 2400 lm



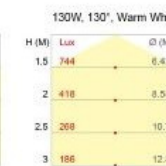
Chipsets	EPISTAR
Type	S01-L90
Power Consumption	78 Watts
Beam Angle	130°
True White	CRI 70 5100 lm
Warm White	CRI 70 3600 lm



Chipsets	EPISTAR
Type	S01-L120
Power Consumption	104 Watts
Beam Angle	130°
True White	CRI 70 6800 lm
Warm White	CRI 70 4800 lm



Chipsets	EPISTAR
Type	S01-L150
Power Consumption	130 Watts
Beam Angle	130°
True White	CRI 70 8500 lm
Warm White	CRI 70 6000 lm

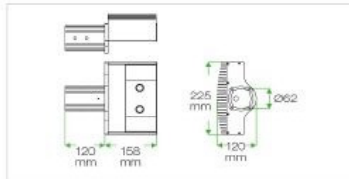


Street Light

IP68 Rated Function and Patented LED Heat Dissipation Technology

Street Light S02t25

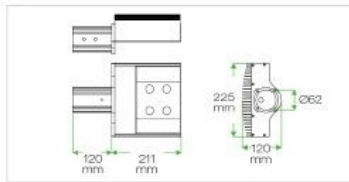
IP68 CE FCC ENEC RoHS Laser Testing Intertek



Working Voltage: 100 - 240V AC
Power Factor: ≥ 0.9
Weight: 113 oz. (3.5 kg)
Applicable Pole Dimension: 42-62mm
Operating Temp: -40°C to +50°C
Lifespan: 50,000 hours
Warranty: 3 Years Limited

Street Light S02t50

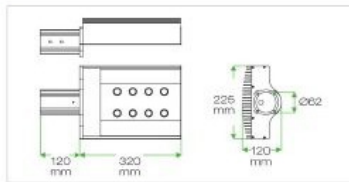
IP68 DESIGNLIGHTS CE FCC ENEC RoHS Laser Testing Intertek



Working Voltage: 100 - 240V AC
Power Factor: ≥ 0.9
Weight: 176.4 oz. (5 kg)
Applicable Pole Dimension: 42-62mm
Operating Temp: -40°C to +50°C
Lifespan: 50,000 hours
Warranty: 3 Years Limited

Street Light S02t75 / t100

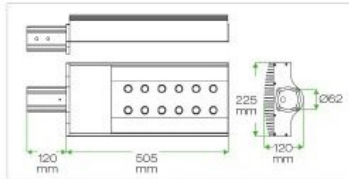
IP68 DESIGNLIGHTS CE FCC ENEC RoHS Laser Testing Intertek



Working Voltage: 100 - 240V AC
Power Factor: ≥ 0.9
Weight: 210 oz. (6.5 kg)
Applicable Pole Dimension: 42-62mm
Operating Temp: -40°C to +50°C
Lifespan: 50,000 hours
Warranty: 3 Years Limited

Street Light S02t150

IP68 DESIGNLIGHTS CE FCC ENEC RoHS Laser Testing Intertek

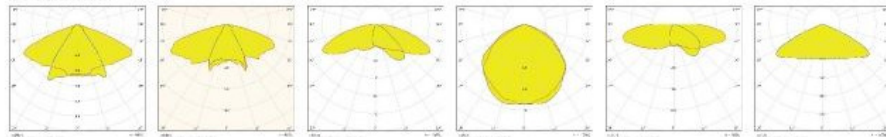


Working Voltage: 100 - 240V AC
Power Factor: ≥ 0.9
Weight: 307 oz. (8.7 kg)
Applicable Pole Dimension: 42-62mm
Operating Temp: -40°C to +50°C
Lifespan: 50,000 hours
Warranty: 3 Years Limited

CANDLE POWER DISTRIBUTION

Beam Angle : 20°, 24°, 30°, 45°, 60°, 90°

IES Classification



Type I, Short Beam Angle : (120°x50°)
Type I, Medium Beam Angle : (135°x50°)
Type II, Short Beam Angle : (120°x60°)
Type II, Short Beam Angle : 130°
Type III, Short Beam Angle : (120°x60°)
Type V, Medium Beam Angle : 135°

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130° / 120°x50° / 120°x60° / 135°x50°				
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm	16800 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm	14700 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm	12000 lm
Warm White CK: 2200K CRI 80	1750 lm	3500 lm	5250 lm	7000 lm	10500 lm

Chipsets	CREE® XP-G				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

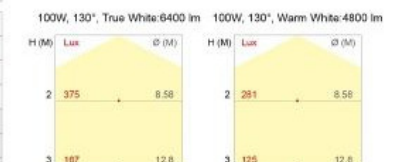
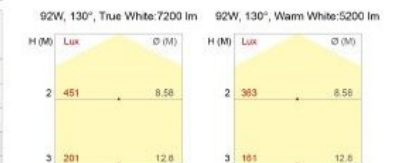
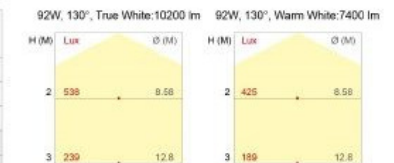
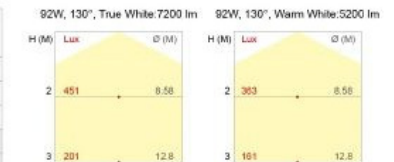
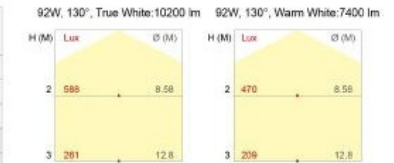
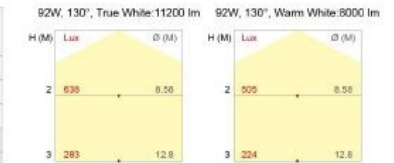
Chipsets	CREE® XP-E / XB-D				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	LUXEON® Rebel ES				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	LUXEON® Rebel				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

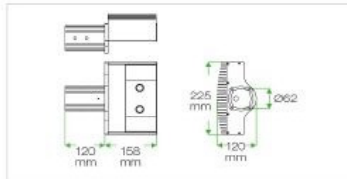
Chipsets	BRIDGELUX				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	130°				
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm	10000 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm	7500 lm

Chipsets	EPistar				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	50 Watts	75 Watts	100 Watts	150 Watts
Beam Angle	130°				
True White CRI 70	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Natural White CRI 70	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 70	1200 lm	2400 lm	3600 lm	4800 lm	7200 lm



Street Light
S02t25

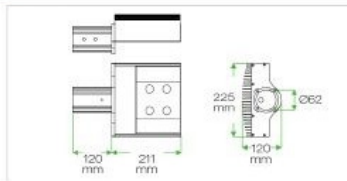
IP68 CE RoHS Low Voltage



Working Voltage (for Solar Power System) **12V DC / 24V DC**
Weight **113 oz. (3.5 kg)**
Applicable Pole Dimension **42-62mm**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Street Light
S02t50

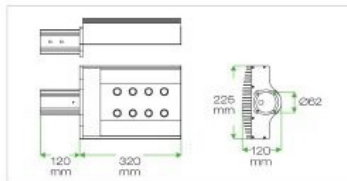
IP68 CE RoHS Low Voltage



Working Voltage (for Solar Power System) **12V DC / 24V DC**
Weight **176.4 oz. (5 kg)**
Applicable Pole Dimension **42-62mm**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Street Light
S02t75 / t100

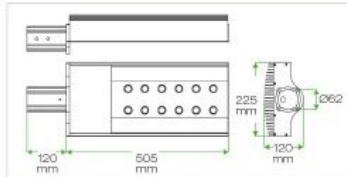
IP68 CE RoHS Low Voltage



Working Voltage (for Solar Power System) **24V DC**
Weight **210 oz. (6.5 kg)**
Applicable Pole Dimension **42-62mm**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Street Light
S02t150

IP68 CE RoHS Low Voltage

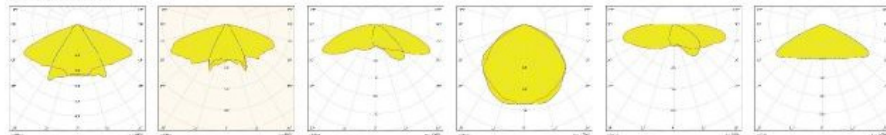


Working Voltage (for Solar Power System) **24V DC**
Weight **307 oz. (8.7 kg)**
Applicable Pole Dimension **42-62mm**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CANDLE POWER DISTRIBUTION

Beam Angle : 20°, 24°, 30°, 45°, 60°, 90°

IES Classification



Type I, Short Beam Angle : (120°x50°) Type I, Medium Beam Angle : (135°x50°) Type II, Short Beam Angle : (120°x60°) Type II, Short Beam Angle : 130° Type III, Short Beam Angle : (120°x60°) Type V, Medium Beam Angle : 135°

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

12V DC

Chipsets	CREE® XP-G	
Type	S02t25	S02t50
Power Consumption	25 Watts	46 Watts
Beam Angle	130°	
True White CRI 80	2550 lm	5100 lm
Natural White CRI 80	2200 lm	4400 lm
Warm White CRI 80	1850 lm	3700 lm

Chipsets	EPISTAR	
Type	S02t25	S02t50
Power Consumption	25 Watts	50 Watts
Beam Angle	130°	
True White CRI 70	1600 lm	3200 lm
Natural White CRI 70	1600 lm	3200 lm
Warm White CRI 70	1200 lm	2400 lm

24V DC

Chipsets	CREE® XT-E				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130° / 120° x 60° / 120° x 60° / 135° x 50°				
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm	16800 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm	14700 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm	12000 lm
Warm White CRI 80	1750 lm	3500 lm	5250 lm	7000 lm	10500 lm

Chipsets	CREE® XP-G				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	CREE® XP-E				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

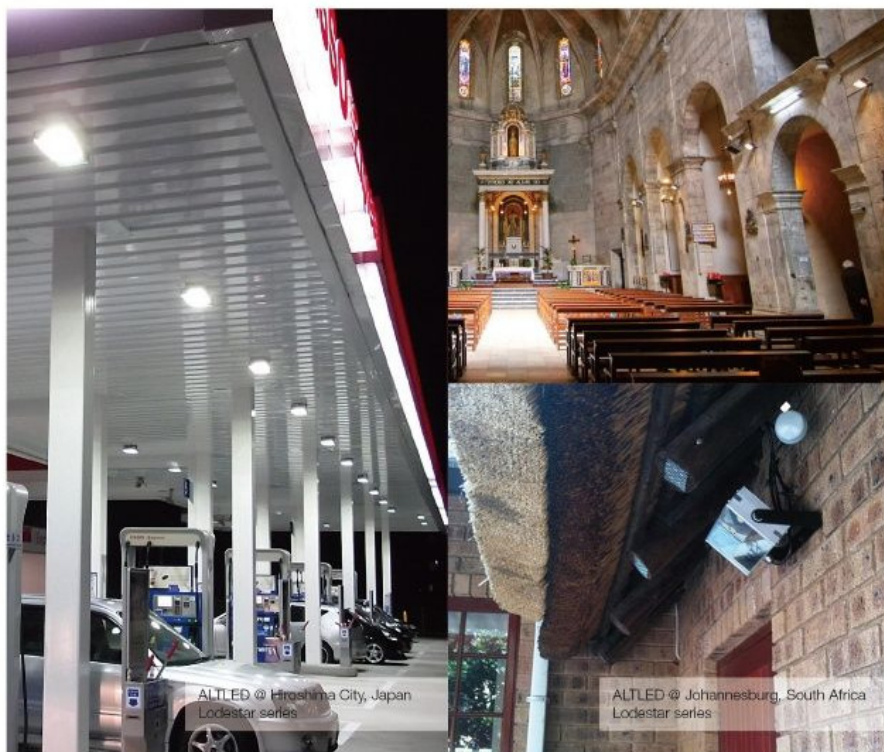
Chipsets	CREE® XB-D				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	LUXEON® Rebel ES				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	LUXEON® Rebel				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	BRIDGELUX®				
Type	S02t25	S02t50	S02t75	S02t100	S02t150
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	130°				
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm	10000 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm	7500 lm

ALT's Lodestar floodlight series is in fact one of the brightest LED in the world, going up to an astonishing lumens of 16,800. Integrated with a patented aerospace structural design, and providing consistent light intensity and high performance even in extreme climates, ALT's Lodestar floodlight is ideal for large outdoor areas including external wall, gardens, harbors and sport fields. Furthermore, ALT is proud to announce that it has launched a revolutionary product called LED Grow Light. Also under the Lodestar floodlight series, our Grow Light changes the way we grow plants indoor. By providing much less heat, Lodestar Grow Light consumes less power by delivering the perfect effects that included Red, Green and Blue. This will consequently provide a much more efficient and faster growing.



ALTLED @ Hiroshima City, Japan
Lodestar series

ALTLED @ Johannesburg, South Africa
Lodestar series

FEATURES

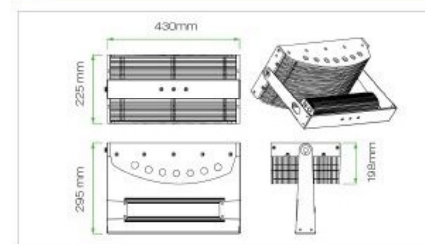
- IP68 waterproof standard.
- Integration of a patented aerospace structural design ensures optimal cooling.
- Provides various beam angle for outdoor lighting requirement.

APPLICATIONS

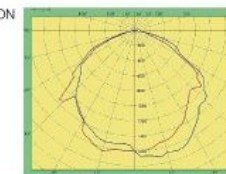
- Tunnel Lighting.
- Grassland Lighting
- Garden Lighting.
- Wall Washing Lighting.

Floodlight

F01



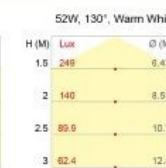
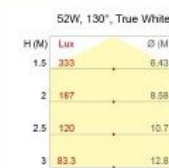
Working Voltage: **100 - 240V AC**
Weight: **113 oz. (9-11 kg)**
Operating Temp: **-20°C to +50°C**
Lifespan: **50,000 hours**
Warranty: **3 Years Limited**
CANDLE POWER DISTRIBUTION
IES Classification
Type II, Short
Beam Angle : 130°



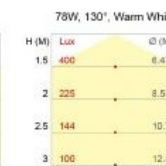
CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	EPISTAR
Type	F01-L60
Power Consumption	52 Watts
Beam Angle	130°
True White	CRI 70 3400 lm
Warm White	CRI 70 2400 lm



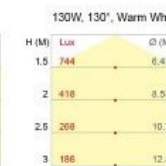
Chipsets	EPISTAR
Type	F01-L90
Power Consumption	78 Watts
Beam Angle	130°
True White	CRI 70 5100 lm
Warm White	CRI 70 3600 lm



Chipsets	EPISTAR
Type	F01-L120
Power Consumption	104 Watts
Beam Angle	130°
True White	CRI 70 6800 lm
Warm White	CRI 70 4800 lm



Chipsets	EPISTAR
Type	F01-L150
Power Consumption	130 Watts
Beam Angle	130°
True White	CRI 70 8500 lm
Warm White	CRI 70 6000 lm



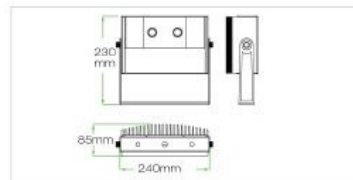
Floodlight

IP68 Rated Function and Patented LED Heat Dissipation Technology

Floodlight F02t25

IP68 CE FC

LED Testing RoHS Low Inductance

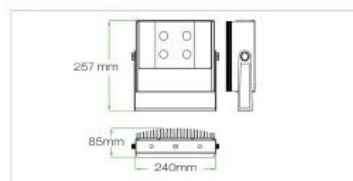


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **113 oz. (3.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight F02t50

IP68 DESIGNLIGHTS

LED Testing RoHS Low Inductance

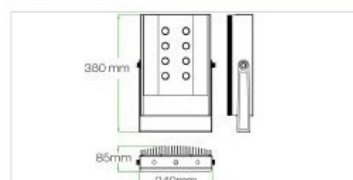


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **176.4 oz. (5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight F02t75 / t100

IP68 DESIGNLIGHTS

LED Testing RoHS Low Inductance

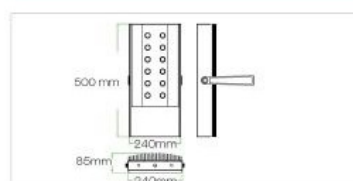


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **210 oz. (6.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight F02t150

IP68 DESIGNLIGHTS

LED Testing RoHS Low Inductance

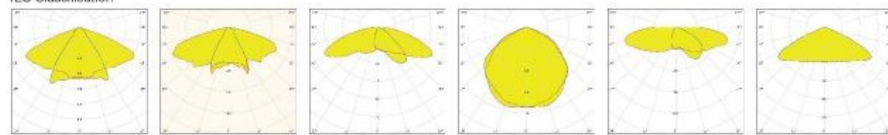


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **307 oz. (8.7 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CANDLE POWER DISTRIBUTION

Beam Angle : 20°, 24°, 30°, 45°, 60°, 90°

IES Classification



Type I, Short Beam Angle : (120°x50°)
Type I, Medium Beam Angle : (135°x50°)
Type II, Short Beam Angle : (120°x60°)
Type II, Short Beam Angle : 130°
Type III, Short Beam Angle : (120°x60°)
Type V, Medium Beam Angle : 135°

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130° / 120° x 50° / 120° x 60° / 135° x 50°				
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm	16800 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm	14700 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm	12000 lm
Warm White CK: 2200K CRI 80	1750 lm	3500 lm	5250 lm	7000 lm	10500 lm

Chipsets	CREE® XP-G				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

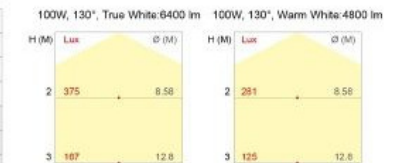
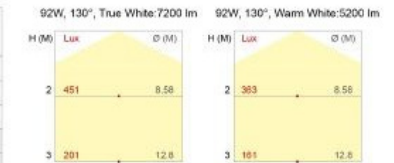
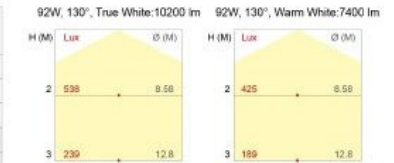
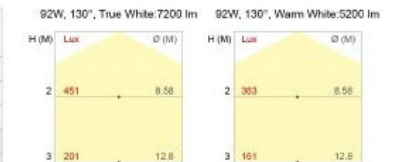
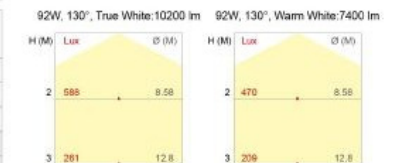
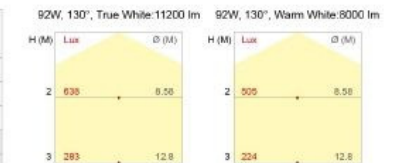
Chipsets	CREE® XP-E / XB-D				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	LUXEON® Rebel ES				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	LUXEON® Rebel				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	BRIDGELUX				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	130°				
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm	10000 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm	7500 lm

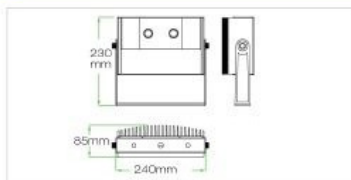
Chipsets	EPSTAR				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	50 Watts	75 Watts	100 Watts	150 Watts
Beam Angle	130°				
True White CRI 70	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Natural White CRI 70	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 70	1200 lm	2400 lm	3600 lm	4800 lm	7200 lm



Floodlight

F02t25

IP68 CE RoHS Low Temp

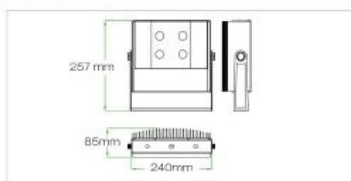


Working Voltage (for Solar Power System) **12V DC**
24V DC
Weight **113 oz. (3.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight

F02t50

IP68 CE RoHS Low Temp

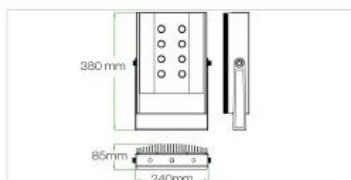


Working Voltage (for Solar Power System) **12V DC**
24V DC
Weight **176.4 oz. (5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight

F02t75 / t100

IP68 CE RoHS Low Temp

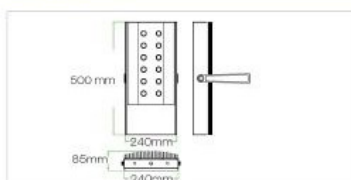


Working Voltage (for Solar Power System) **24V DC**
Weight **210 oz. (6.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight

F02t150

IP68 CE RoHS Low Temp



Working Voltage (for Solar Power System) **24V DC**
Weight **307 oz. (8.7 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

12V DC

Chipsets	CREE® XP-G	
Type	F02t25	F02t50
Power Consumption	25 Watts	46 Watts
Beam Angle	130°	
True White CRI 80	2550 lm	5100 lm
Natural White CRI 80	2200 lm	4400 lm
Warm White CRI 80	1850 lm	3700 lm

Chipsets	EPISTAR	
Type	F02t25	F02t50
Power Consumption	25 Watts	50 Watts
Beam Angle	130°	
True White CRI 70	1600 lm	3200 lm
Natural White CRI 70	1600 lm	3200 lm
Warm White CRI 70	1200 lm	2400 lm

24V DC

Chipsets	CREE® XT-E				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130° / 120° x 60° / 120° x 60° / 135° x 50°				
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm	16800 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm	14700 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm	12000 lm
Warm White CRI 80	1750 lm	3500 lm	5250 lm	7000 lm	10500 lm

Chipsets	CREE® XP-G				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	CREE® XP-E				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	CREE® XB-D				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

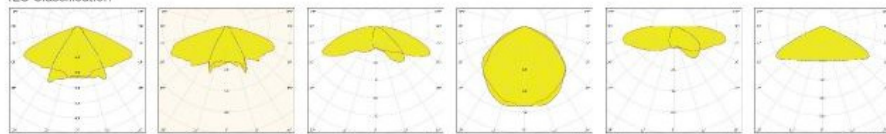
Chipsets	LUXEON® Rebel ES				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	LUXEON® Rebel				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

CANDLE POWER DISTRIBUTION

Beam Angle : 20°, 24°, 30°, 45°, 60°, 90°

IES Classification

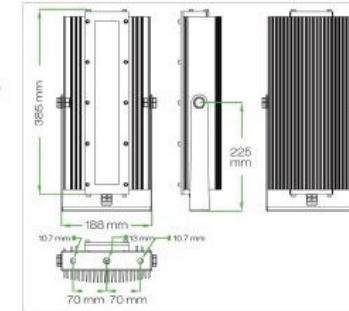


Type I, Short Beam Angle : (120°x50°) Type I, Medium Beam Angle : (135°x50°) Type II, Short Beam Angle : (120°x60°) Type II, Short Beam Angle : 130° Type III, Short Beam Angle : (120°x60°) Type V, Medium Beam Angle : 135°

Chipsets	BRIDGELUX®				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	130°				
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm	10000 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm	7500 lm



Floodlight
Anti-Explosive Lamp



Working Voltage	100 - 240V AC
Power Factor	> 0.9
Weight	264.6 oz. (7.5 kg)
Operating Temp	-40°C to +50°C
Lifespan	50,000 hours
Warranty	3 Years Limited
Ex Mark	Ex d IIC T5

*Certificate under progress

FEATURES

The anti-explosive E01 series can be safely used in hazardous locations such as power plants, oil and natural gas drilling stations and refineries, mining facilities, etc. Integrated with the CREE XML chipset, the anti-explosive E01 series can provide an estimated 75% energy savings while maintaining the same level of brightness as your standard HID and MH lights.

APPLICATIONS

- Power plants
- Refineries
- Offshore drilling platforms
- Petroleum & gas stations
- Emergency management
- Environmental services
- Chemical plants
- Aviation/aerospace
- Paint coating work stations
- Marine/ship yards
- Mining
- Film/entertainment

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

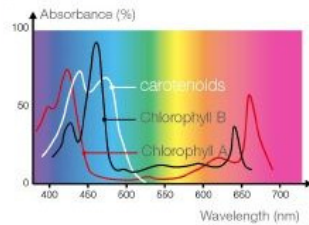
Chipsets	CREE® LEDs XM-L	
Type	E011100	
Power Consumption	92 Watts	
Beam Angle	130°	
True White	CRI 80	10200 lm
Natural White	CRI 80	8600 lm
Warm White	CRI 80	7400 lm



FEATURES

- Integration of a patented aerospace structural design ensures optimal cooling.
- High stability lighting in any climate thanks to current fluctuation protection.
- Original high-power LED chips, with multiple power supply circuit design options, offer incredible added value.
- PFC values up to 0.9 offering a stable voltage output, thus reducing energy consumption.
- IP68 waterproof standard.
- Red and blue wavelengths are ideal for growing and flowering of plants.

Chlorophyll Chart:



For plant growth, the first stage of photosynthesis is absorbing light by chlorophyll. Chlorophyll A&B and carotene are three major elements to affect plant growth. The two ideal wavelengths for photosynthesis are Blue ray 400-500 nm and Red ray 600-700 nm. Scientifically proved Blue ray and Red ray are the most efficient for plant growth.

Wavelength	Color	Effects on plant illumination
400-520 nm	Blue	Maximize the Chlorophyll and carotenoids absorbability, highest effect on photosynthesis
610-720nm	Red	Low absorbability of Chlorophyll, notable affect to Chlorophyll and light cycle effect

G19 Globe



Power Consumption: 6 Watts
Chipset Luminous Flux: 180 lm
Base: GX5.3 / GU5.3, B22D, GU10 / GZ10, E21, E12, E14, E17, E26 / 24 (US), E26 / 27 (EU), BA15S, BA15D
Working Voltage: 100 - 240V AC, 12V AC/DC
Operating Temp: -20°C to +40°C
Beam Angle: 180°

A19 Bulb



Power Consumption: 6 Watts
Chipset Luminous Flux: 180 lm
Base: B22D, GU10 / GZ10, E21, E12, E14, E17, E26 / 24 (US), E26 / 27 (EU), BA15S, BA15D
Working Voltage: 100 - 240V AC
Operating Temp: -20°C to +40°C
Beam Angle: 180°

Floodlight



Working Voltage: 100 - 240V AC
Operating Temp: -40°C to +50°C
Beam Angle: 10°, 20°, 24°, 30°, 45°, 60°, 90°, 130°, 135°, (120°x50°), (120°x60°), (135°x50°)

Grow Light - F02150	Chipsets	EPISTAR	CREE® LED XP-E	LUXEON® Rebel
	Power Consumption	35 Watts	38 Watts	38 Watts
	Chipset Luminous Flux	605 lm	1100 lm	1100 lm
Grow Light - F021100	Chipsets	EPISTAR	CREE® LED XP-E	LUXEON® Rebel
	Power Consumption	60 Watts	76 Watts	76 Watts
	Chipset Luminous Flux	1210 lm	2200 lm	2200 lm
Grow Light - F021150	Chipsets	EPISTAR	CREE® LED XP-E	LUXEON® Rebel
	Power Consumption	100 Watts	115 Watts	115 Watts
	Chipset Luminous Flux	1815 lm	3300 lm	3300 lm

Indoor Series

Asteria series	10°	15°	20°	24°	25°	30°	38°	40°	45°	50°	60°	72°	80°	90°	100°	110°	120°	130°	135°	180°	270°	360°	120°x50°	120°x60°	135°x50°	
MR11						✓			✓		✓	✓	✓													
MR16																										
- V7											✓				✓	✓				✓						
- V6											✓	✓			✓					✓						
- V5						✓		✓		✓	✓				✓					✓						
- V4						✓	✓	✓		✓	✓	✓			✓					✓						
- V3						✓	✓	✓		✓	✓	✓		✓						✓						
- V2.5										✓				✓												
- V2									✓			✓		✓												
- V1							✓				✓															
G19 Globe																										
- V7																										
- V6																										
- V5																										
- V4																										
- V3																										
- V2																										
- V1																										
PAR30/IP68							✓	✓		✓	✓	✓	✓	✓	✓					✓						
PAR30						✓		✓		✓	✓	✓	✓	✓	✓					✓						
PAR38								✓		✓	✓	✓	✓	✓	✓					✓						
BR30						✓		✓		✓	✓	✓	✓	✓	✓					✓						
BR40								✓		✓	✓	✓	✓	✓	✓					✓						
Metis series																										
Chandelier Light																										
A19 Bulb																										
- V7																										
- V6																										
- V5																										
- V4																										
- V3																										
- V2																										
- V1																										
A55 Bulb																										
Orion series																										
LED T8 Tube																										
Recessed Light	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓						
Ceiling Light	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓						
AR111	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓						
PAR36	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓						
Dimmable Series																										
Asteria series																										
MR16 Dimmable						✓	✓	✓		✓	✓	✓	✓	✓	✓					✓						
G19 Globe Dimmable																										
BR Dimmable												✓	✓													
30/IP68 Dimmable							✓		✓		✓	✓	✓		✓					✓						
PAR30 Dimmable						✓		✓			✓	✓	✓		✓					✓						
PAR38 Dimmable								✓			✓	✓	✓		✓					✓						
Metis series																										
Spotlight Dimmable						✓				✓																
A19 Bulb Dimmable																										
Chandelier Light Dimmable																										
A55 Bulb Dimmable																										
Outdoor Series																										
Lodestar series																										
Street Light - S01																										
Street Light - S02	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓				✓	✓	✓
Floodlight - F01																										
Floodlight - F02	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓				✓	✓	✓
Grow Light	✓	✓	✓	✓		✓			✓	✓	✓			✓						✓				✓	✓	✓
Theseus series																										
Anti Explosion lamp																										