

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)

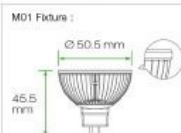
EnergyTools

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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**

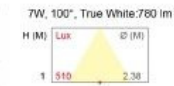
MR16

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	~10%	60°	90°	100°	120°
True White	CRI 70	780 lm			
Natural White	CRI 80	650 lm			
Warm White	CRI 80	580 lm			
Warm White	CRI 80	500 lm			



V6 series

Chipsets	CREE® MT-G			
Power Consumption	7 Watts			
Beam Angle	~10%	60°	72°	90°
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	~10%	38°	50°	120°	38°	60°	90°	100°	120°	135°
True White	CRI 70	-			720 lm					-
True White	CRI 80	720 lm			-					720 lm
Natural White	CRI 80	590 lm			590 lm					590 lm
Natural White	CRI 80	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	~10%	25°	38°	45°
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		

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

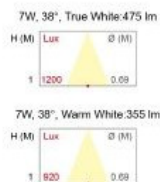
Chipsets	EPistar
Power Consumption	7 Watts
Beam Angle	60° 100° 120° 135°
True White	CRI 98 330 lm 330 lm
Warm White	CRI 98 240 lm 240 lm

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

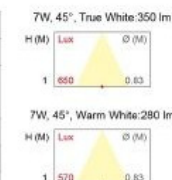
V2.5 series

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



MR16 series

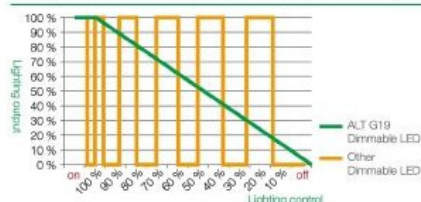


Working Voltage **100 - 240V AC**
Operating Temp **-20°C to +40°C**
Lifespan **30,000 hours**
Warranty **3 Years Limited**

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

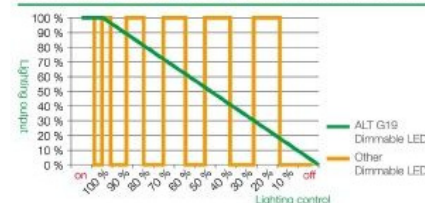


FEATURES

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 60.6 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 - Internal Transformer

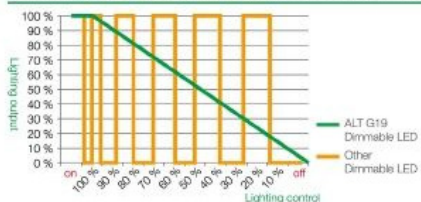


Working Voltage	110V AC 220V AC
Operating Temp	-20°C to +40°C
Lifespan	30,000 hours
Warranty	3 Years Limited

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

True White	Natural White	Warm White	Red	Green	Blue

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.

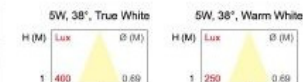
SPECIFICATIONS

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 50.5x73.9 mm Weight : 48 g M02 Ø 49.7x73.9 mm	Base : E26 / 27 (EURO) M01 Ø 50.5x73.9 mm Weight : 48 g M02 Ø 49.7x73.9 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

True White	Warm White