

Product Catalogue 2014



iQeden

Light on Budget, Heavy on Savings, Go Green



LED T8



Rated Power:

- 9 W (2 feet)
- 18 W (4 feet)

Features

- Light weight and uniform light source.
- High efficiency, constant current drive, wide voltage input range
- Low heat
- No flickering, no noise, no glare
- No Ultra Violet radiation
- No Radio Frequency interference
- Green, lead free and mercury free manufacturing process
- Easy installation, direct replacement for fluorescent tube
- Comply with CE, ROHS and FCC's quasi-standard
- Interior Use in Residential / Commercial Areas
(Homes, Hotels, Restaurants, Office, Retail Shops)



Model No	2FT-9W	4FT-18W
Power Specifications		
Voltage	100~240Vac	100~240Vac
Power	9W±10%	18W±10%
Power Factor	<0.9	<0.9
Lifespan	>25000 hours	>25000 hours
Weight	180g	330g
Size (L x W x H)	Φ580mm x 26mm	Φ1198mm x 26mm
Beam Angle	120°	120°
Cover Material	Polycarbonate frosted cover	Polycarbonate frosted cover
Environment Specifications		
Operation Temperature	-20°C~ 50°C	-20°C~ 50°C
Storage Temperature	-40°C~ 60°C	-40°C~ 60°C
Operation Humidity	10%~90 %	10%~90 %
Certifications		
CE-EMC, RoHS		

SCL- MR16 3.5W

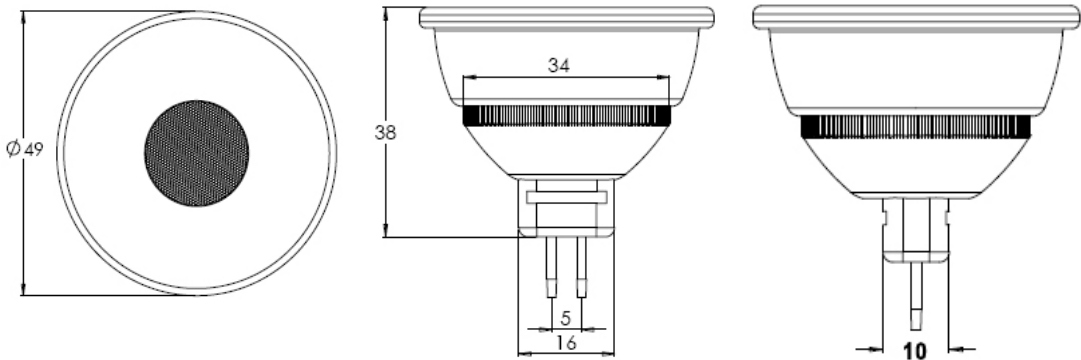


Power Specifications	
Voltage	12~18Vac / 12~24Vdc
Current	<350mA
Power	3.5W ±10%
CRI	>70
Lifespan	>20000 hours
Socket	GU 5.3
Beam Angle	30°, 45°
Weight	24g
Size	Φ49mm x 48mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90%

Illumination

Color Temperature	4700K ~ 6000K	2600K ~3300K
	Cool White	Warm White
Lumens, 30°	330lm ± 10%	300lm ± 10%
Lumens, 45°	320lm ± 10%	290lm ± 10%

Dimension (unit in mm)



SCL- MR16 5W

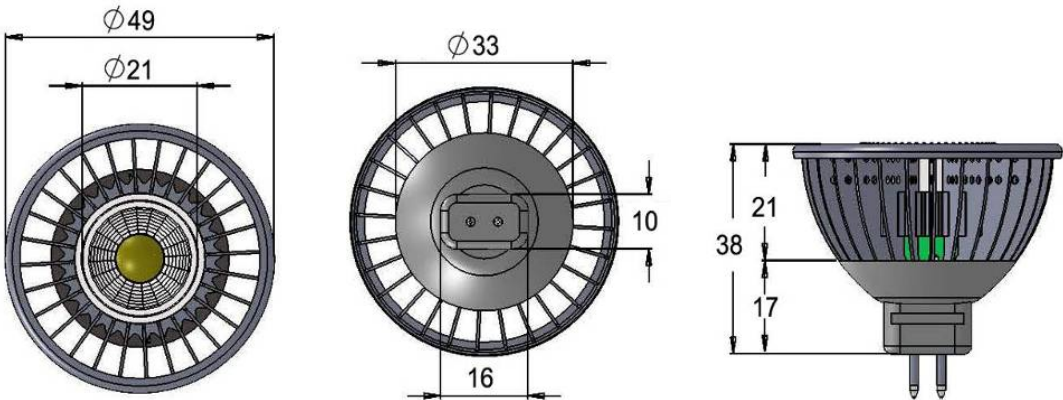


Power Specifications	
Voltage	12~18Vac / 12~24Vdc
Current	<600mA
Power	6.5W ±10%
CRI	>70
Lifespan	>20000 hours
Socket	GU5.3
Beam Angle	30°, 45°
Weight	24g
Size	Φ49mm x 38mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90 %

Illumination

Color Temperature	4700K ~ 6000K	2600K ~3300K
	Cool White	Warm White
Lumens, 30°	350lm ± 10%	310lm ± 10%
Lumens, 45°	340lm ± 10%	200lm ± 10%

Dimension (unit in mm)



SCL- MR16 6W,7W



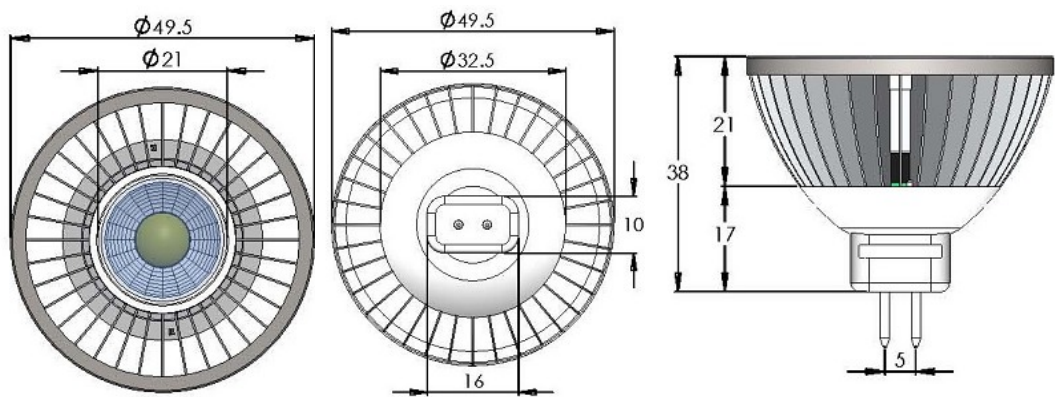
30°, 45°

Power Specifications	
Voltage	12~18Vac / 12~24Vdc
Current	<600mA ,<700mA
Power	6W±10%, 6.5W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	GU5.3
Beam Angle	30°, 45°
Weight	24g
Size	Φ49mm x 38mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90 %
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	4700K ~ 6000K	2600K ~3300K
	Cool White	Warm White
Lumens, 30°,6W	360lm ±10%	340lm ±10%
Lumens, 45°,6W	350lm ±10%	330lm ± 10%
Lumens, 30°,7W	480lm ±10%	450lm ±10%
Lumens, 45°,7W	470lm ±10%	440lm ± 10%

Dimension (unit in mm)



SCL- MR16 6W,7W, GU10

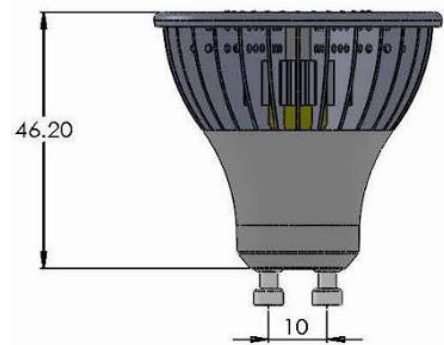
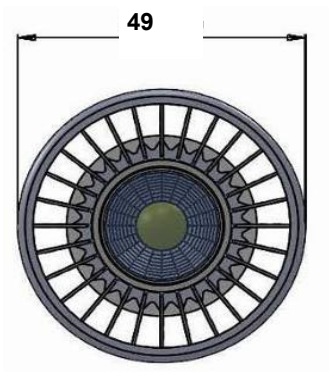


Power Specifications	
Voltage	100~240Vac
Current	<60mA, <70mA
Power	6W±10%, 6.5W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	GU10
Beam Angle	30° , 45°
Weight	33g
Size	Φ49mm x 46.2mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90 %
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	4700K ~ 6000K	2600K ~3300K
	Cool White	Warm White
Lumens, 30° ,6W	360lm ±10%	340lm ±10%
Lumens, 45° ,6W	350lm ±10%	330lm ± 10%
Lumens, 30° ,7W	480lm ±10%	450lm ±10%
Lumens, 45° ,7W	470lm ±10%	440lm ± 10%

Dimension (unit in mm)



SCL- MR16 6W,7W, E27

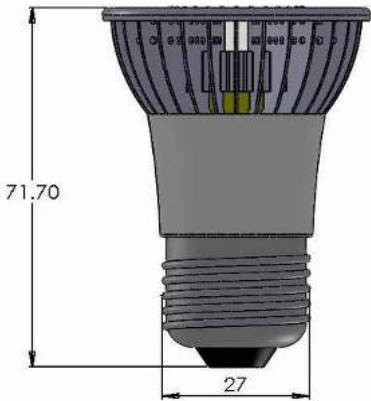
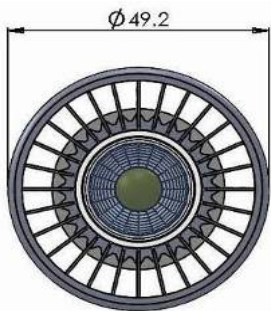


Power Specifications	
Voltage	100~240Vac
Current	<60mA, <70mA
Power	6W±10%, 6.5W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	E27
Beam Angle	30° , 45°
Weight	40g
Size	Φ49mm x 72mm
Environment Specifications	
Operation Temperature	-20℃ ~50℃
Storage Temperature	-40℃ ~60 ℃
Operation Humidity	10%~90 %
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	4700K ~ 6000K	2600K ~3300K
	Cool White	Warm White
Lumens, 30° ,6W	360lm ±10%	340lm ±10%
Lumens, 45° ,6W	350lm ±10%	330lm ± 10%
Lumens, 30° ,7W	480lm ±10%	450lm ±10%
Lumens, 45° ,7W	470lm ±10%	440lm ± 10%

Dimension (unit in mm)



UTO MR16 5W

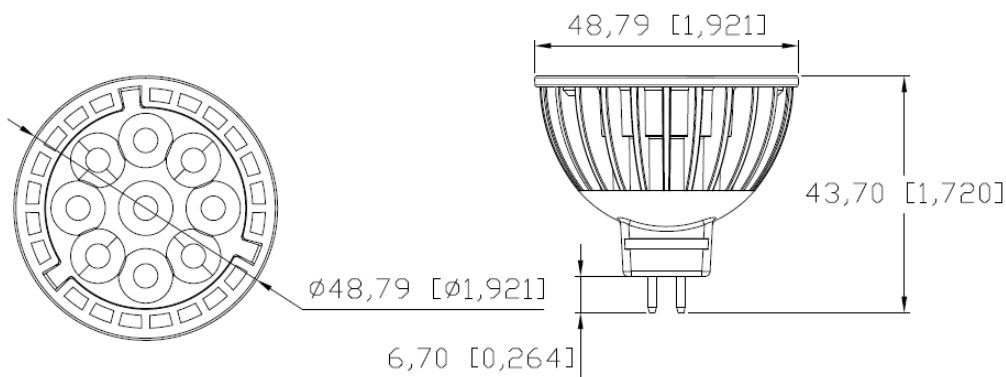


Power Specifications	
Voltage	100~240Vac
Current	<440mA
Power	5W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	GU5.3
Beam Angle	34°
Weight	40g
Size	Φ48.8mm x 43.7mm
Environment Specifications	
Operation Temperature	-20℃~40℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90%
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	5000K	4000K	3000K
	Cool White	Neutral White	Warm White
Lumens	330lm ±10%	315lm ±10%	300lm ±10%
Illuminance at 1 meter	450lux	430lux	410lux

Dimension (unit in mm)



UTO MR16 5.5W

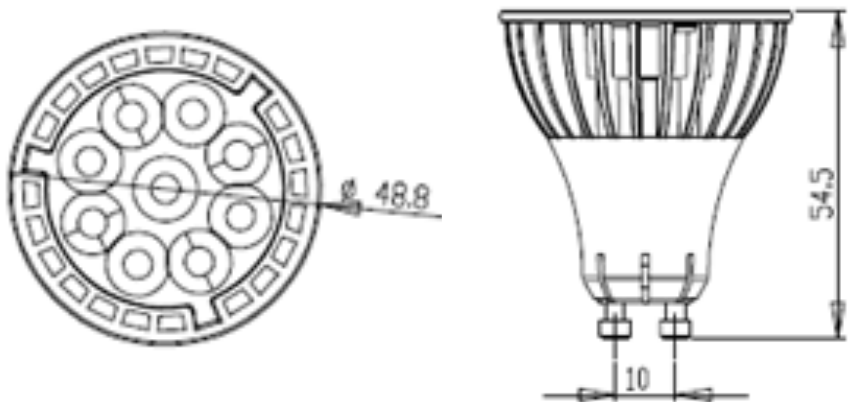


Power Specifications	
Voltage	100~240Vac
Current	<440mA
Power	5.5W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	GU10
Beam Angle	32°
Weight	45g
Size	Φ48.8mm x 54.5mm
Environment Specifications	
Operation Temperature	-20℃~40℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90%
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	5000K	4000K	3000K
	Cool White	Neutral White	Warm White
Lumens	320 lm±10%	310 lm±10%	300 lm±10%
Illuminance @ 1 meter	450 lux	430 lux	410 lux

Dimension (unit in mm)

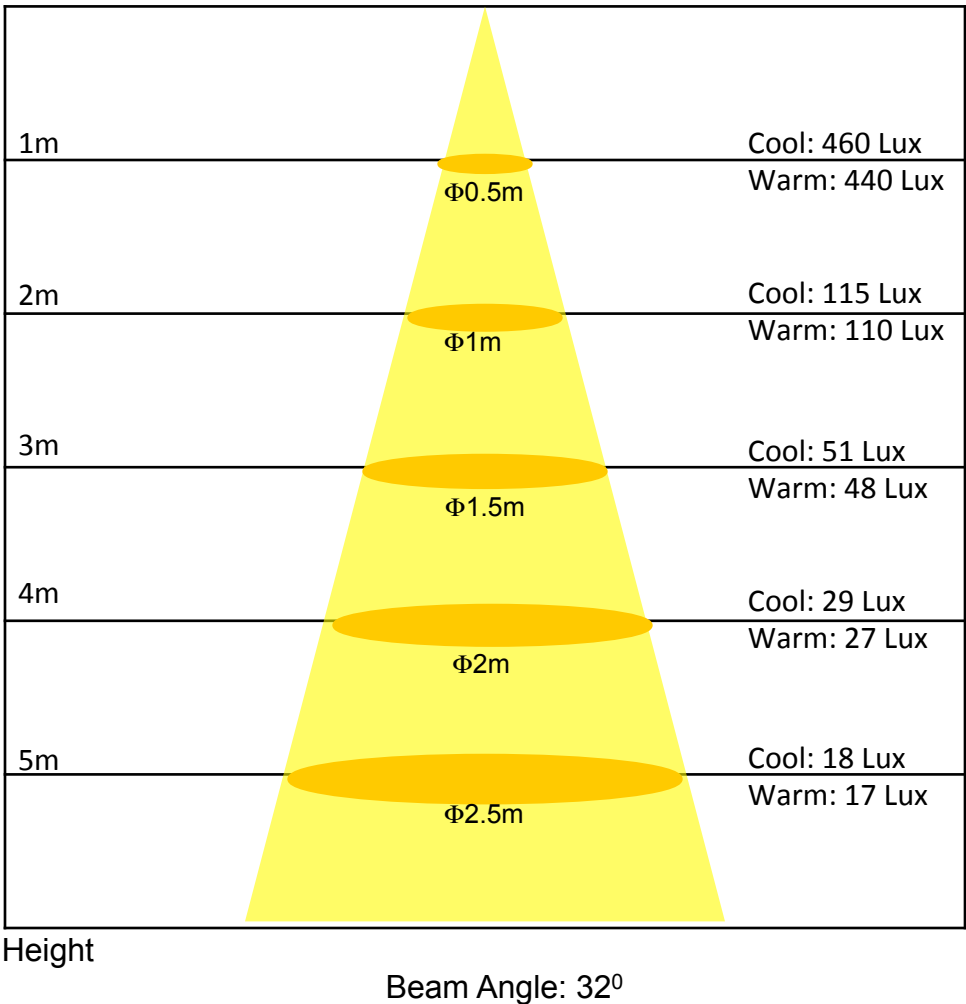


LED MR16 Spotlight

Technical Specification For Energy Star

Safety Requirements	UL 1993 - 1999
Operating Frequency	> 120 Hz
Transient Protection	IEEE C.62.41 – 1991 Class A
Radio Interference Suppression	440mA
Noise Rating	Class A; < 24 dBA
Flammability of Plastic Components	V-0 (UL94)
Environmental Materials (In accordance with ROHS Directive 2002/95/CE)	
Mercury (Hg)	0mg
Lead (Pb)	0mg

Illumination Distribution Chart



4W Candle bulb

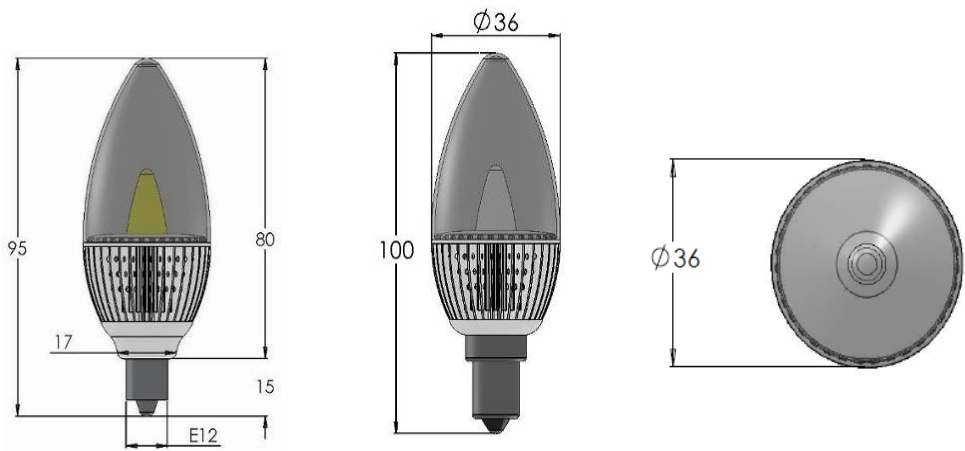


Power Specifications	
Voltage	100~240Vac
Current	<70mA
Power	4W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	E14
Beam Angle	161°
Field Angle	338°
Weight	31g
Size	Φ36mm x 95mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90%
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	4700K ~6000K	2600K ~3300K
	Cool White	Warm White
Lumens	380 lm±10%	340 lm±10%

Dimension (unit in mm)



4W Crystal bulb

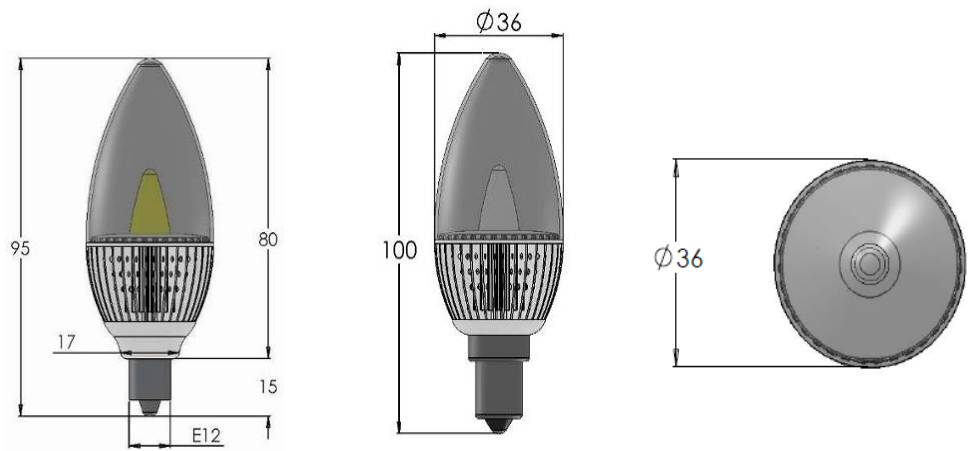


Power Specifications	
Voltage	100~240Vac
Current	<70mA
Power	4W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	E14
Beam Angle	146°
Field Angle	289°
Weight	31g
Size	Φ36mm x 95mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90%
Certifications	
CE-EMC, CE-LVD, RoSH	

Illumination

Color Temperature	4700K ~6000K	2600K ~3300K
	Cool White	Warm White
Lumens	400 lm±10%	350 lm±10%

Dimension (unit in mm)



6W Bulb

Features

- Full period-luminosity type.
- Plastic heat dispersion
- Smoothly touch
- Elegant appearance
- 1:1 with the Halogen lamp.

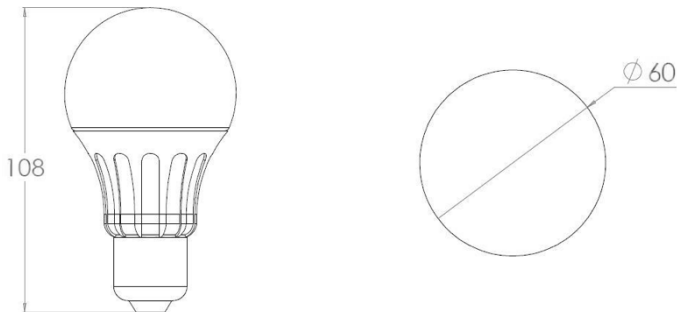


Power Specifications	
Voltage	100~240 Vac
Current	< 60 mA
Power	6W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	E27
Beam Angle	200°
Field Angle	320°
Weight	85 g
Size	Φ60mm x 108mm
Flammability	UL94 V-0
Resistance Hipot Test (insulation)	>4KV
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90 %

Illumination

Color	Color Temperature	Lumen
Cool White	5300K ~ 7000K	600 lm ±10%
Warm White	2600K ~ 3300K	560 lm ±10%

Dimension (unit in mm)



8W Bulb

Features

- High chemical resistance (PPS based material)
- Emissivity: > 0.8
- Electric insulation: >10¹²
- Flame resistant: UL94 V-0 、 Electric arc resistance > 200 seconds.
- Lighter weight: density 1.4~2.0 、 20~45% lighter than Aluminum



Power Specifications

Voltage	100~240 Vac
Current	< 80 mA
Power	8W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	E27
Beam Angle	260°
Field Angle	340°
Weight	106g
Size	Φ60mm x 120mm
Flammability	UL94 V-0
Resistance Hipot Test (insulation)	>4KV

Environment Specifications

Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90 %

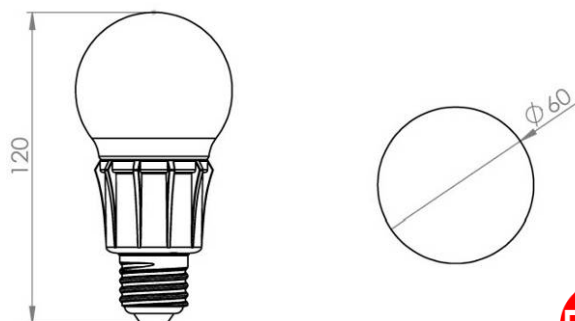
Certifications

CE-EMC, CE-LVD, RoSH

Illumination

Color	Color Temperature	Lumen
Cool White	5300 ~ 7000 K	760 lm ±10%
Warm White	2600 ~ 3300 K	720 lm ±10%

Dimension (unit in mm)



10W Bulb



Power Specifications	
Voltage	100~240 Vac
Current	< 100 mA
Power	10W ±10%
CRI	>80
Lifespan	>20000 hours
Socket	E27
Functions	Dimmable, Non- Dimmable
Beam Angle	117°
Field Angle	257°
Weight	75 g
Size	Φ60mm x 110mm
Environment Specifications	
Operation Temperature	-20℃~50℃
Storage Temperature	-40℃~60℃
Operation Humidity	10%~90 %
Certification	
CE-EMC	

Illumination

Color	Color Temperature	Lumen
Cool White	4700K~6000K	850 lm ±10%
Warm White	2600K ~ 3300K	780 lm ±10%

Dimension (unit in mm)