A-SPOT™ Series

A-Spot™ is an exceptionally high performance LED lamp built to last. It is a premium quality solid state lighting product precisely engineered and manufactured with state of the art technologies and materials.

Proprietary driving circuit enables A-Spot™ to replace traditional incandescent / halogen lamp, up to 50 watt, directly without additional modification or transformer.

Features

- Can replace the conventional spot lights, soft light
- The power is 5W, equivalent to a 40-50W conventional spotlight
- Low heat, No UV,No IR.
- Life Span: 50,000 hours
- Material:Aluminium(shell)+PC(Top)
- Working Voltage: AC100-240V,50/60Hz; AC/DC12V
- Base: GU10/E26/E27/GU5.3/E14
- Certification: CE,RoHS
- Standard Warranty: 3 Years

Applications

Widely used in the hotel,meeting room, offices,hospital ,schools, factories, commercial lighting, shopping malls, supermarkets, kitchen, diaplay, backlight, home indoor lighting and so on.

RoHS COMPLIANT CE warranty 3 years

Star-T-LED Technologies CC
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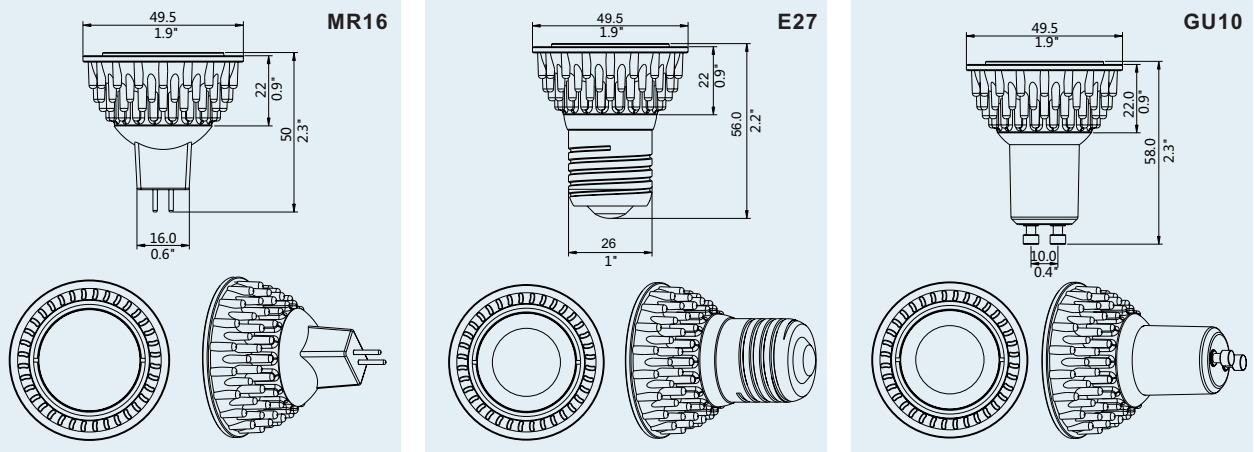
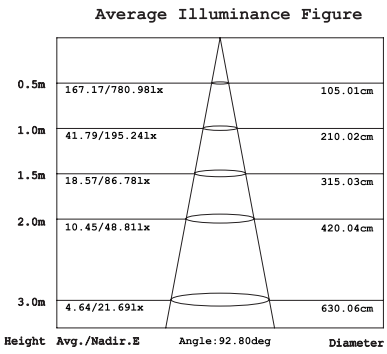
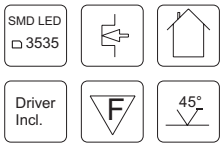
Dimensions (Unit: mm/inch)

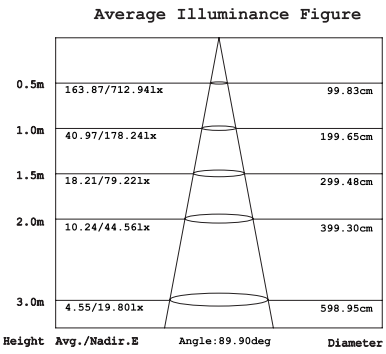


Specifications



White





Warm White

Model #	Shell Color	Color	LED Type	CCT	Rated Power Consumption	CRI	Lumen	Voltage Frequency	Beam Angle	Weight
AR-006-AW-01WE27	Black	White	3535 SMD LED	5900K	5W	72	400	100-240Vac 50/60Hz	45°	1.89 ounces (45g)
E27-006-AW-W-01	Silver									
AR-006-AW-01WWE27	Black	Warm White	3535 SMD LED	3100K	5W	76	320	100-240Vac 50/60Hz	45°	
E27-006-AW-WW-01	Silver									
AR-006-AW-01WGU10	Black	White	3535 SMD LED	5900K	5W	72	400	100-240Vac 50/60Hz	45°	
GU10-006-AW-W-01	Silver									
AR-006-AW-01WWGU10	Black	Warm White	3535 SMD LED	3100K	5W	76	320	100-240Vac 50/60Hz	45°	
GU10-006-AW-WW-01	Silver									
AR-006-AW-01WE14	Black	White	3535 SMD LED	5900K	5W	72	400	100-240Vac 50/60Hz	45°	
E14-006-AW-W-01	Silver									
AR-006-AW-01WWE14	Black	Warm White	3535 SMD LED	3100K	5W	76	320	100-240Vac 50/60Hz	45°	
E14-006-AW-WW-01	Silver									
AR-006-D5-01WMR16	Black	White	3535 SMD LED	5900K	4.5W	72	400	12Vac/dc	45°	
MR16-006-D5-W-01	Silver									
AR-006-D5-01WWMR16	Black	Warm White	3535 SMD LED	3100K	4.5W	76	320	12Vac/dc	45°	
MR16-006-D5-WW-01	Silver									

The data of the light output is only from Signcomplex test reports. It may differentiate another result or source if lamps are tested through other equipments or test methods.

Absolute Maximum Rating

Parameter	Rating	Units
Aluminum Heat sink Temperature	66	° C
Operating Temperature	-20~+40	° C
Storage Temperature	-20~+80	° C
Equilibrium Temperature	60	° C

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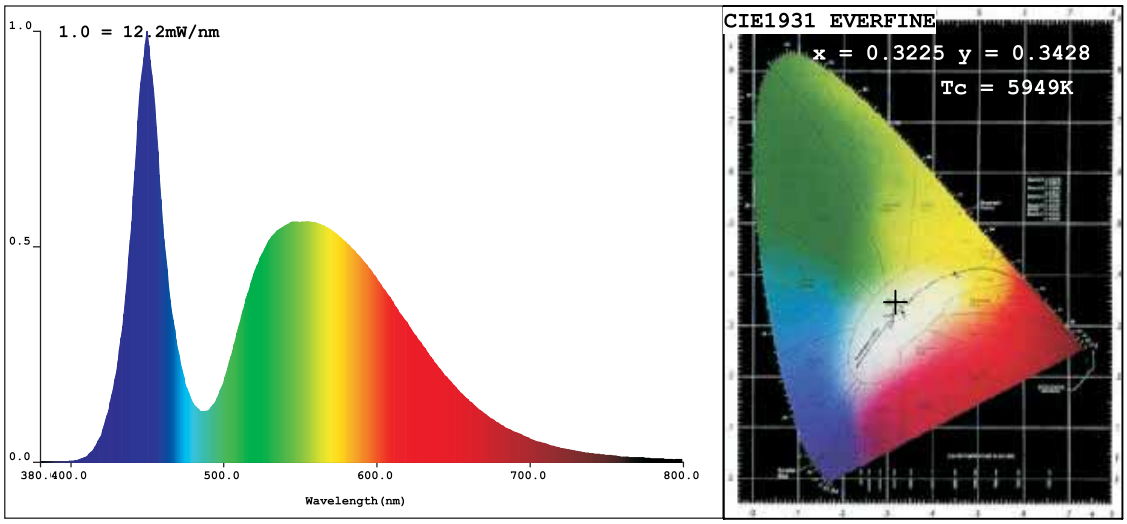
White (GU10 / E27)

Spectrophotocolorimeter Test Report

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate:x=0.3225 y=0.3428/u'=0.1994 v'=0.4769 (duv=5.43

CCT:Tc= 5949K Prcp WaveL:λd=503.4nm Purity=3.3%

Peak WaveL: λp=450nm Half Width: Δλp=22.8nm Ratio:R=12.5% G=83.8% B=3.7%

Average Wave: 547nm

Rendering Index:Ra=71.5

Photo Parameters:

Flux:Φ=399.59(lm) Luminous Efficacy: 75.77(lm/W) Luminous Power:P=1.219(W)

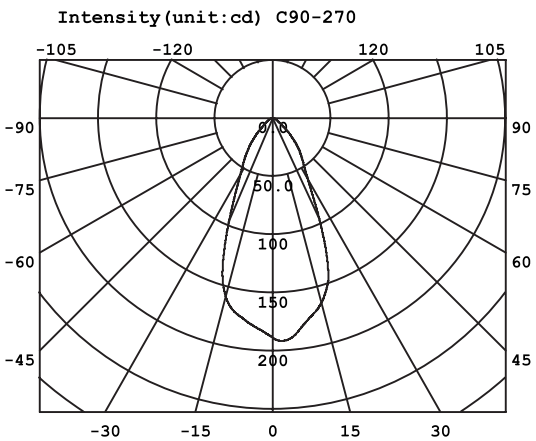
Electrical Parameters:

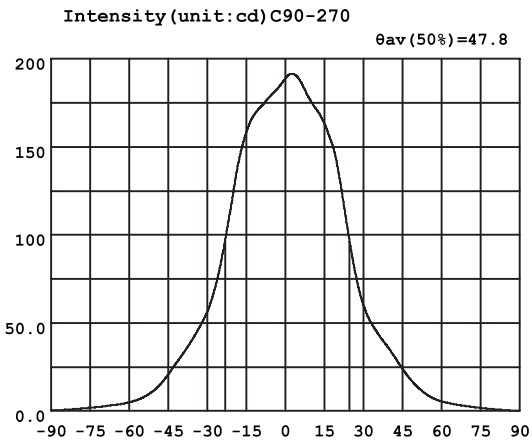
U=205.8V I=0.0526A P=5.273W PF=0.487

Instrument Status:

Scan Range:380.0nm-800.0nm	Interval:5.0nm	Ip = 31582(G=4,D=48)
REF = 10068	TMP(PMT) = 25.4(deg.celsius)	Test Mode: Fast Test

GONIOPHOTOMETER Test Report





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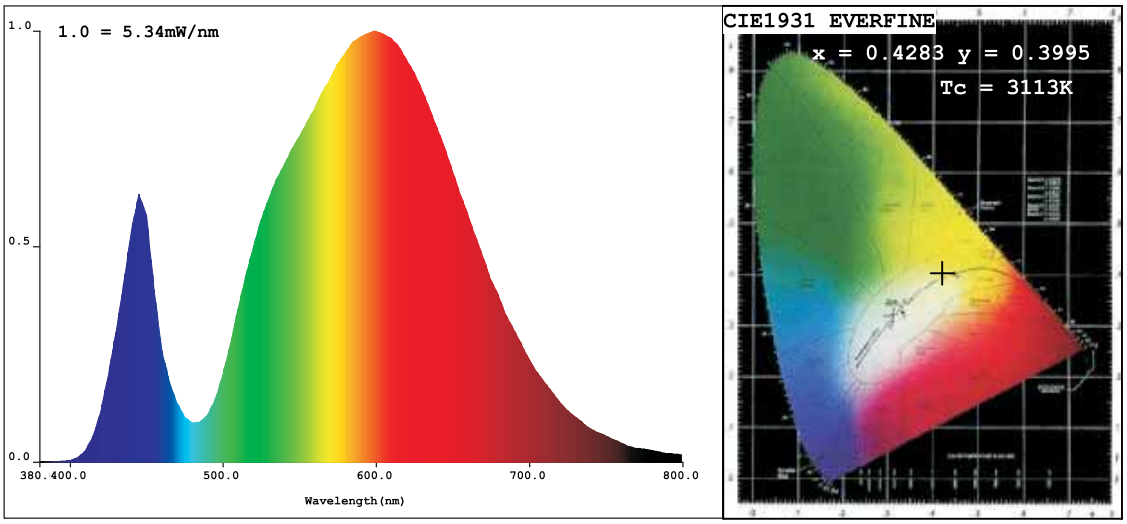
Warm White (GU10/E27)

Spectrophotocolorimeter Test Report

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate:x=0.4283 y=0.3995/u'=0.2470 v'=0.5183 (duv=-5.7

CCT:Tc= 3113K Prcp WaveL:λd=582.6nm Purity=48.5%

Peak WaveL: λp=600nm Half Width: Δλp=147.6nm Ratio:R=21.5% G=76.9% B=1.6%

Average Wave: 590nm

Rendering Index:Ra=76.9

Photo Parameters:

Flux:Φ=320.16(lm) Luminous Efficacy: 59.70(lm/W) Luminous Power:P=899.6(mW

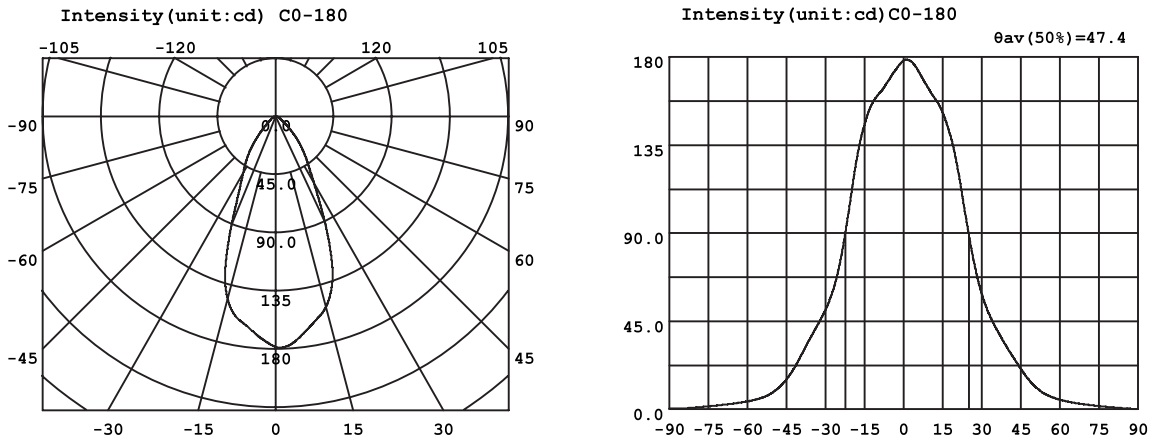
Electrical Parameters:

U=205.8V I=0.0531A P=5.360W PF=0.491

Instrument Status:

Scan Range:380.0nm-800.0nm	Interval:5.0nm	Ip = 23206(G=5,D=49)
REF = 7226	TMP(PMT) = 24.9(deg.celsius)	Test Mode: Fast Test

GONIOPHOTOMETER Test Report



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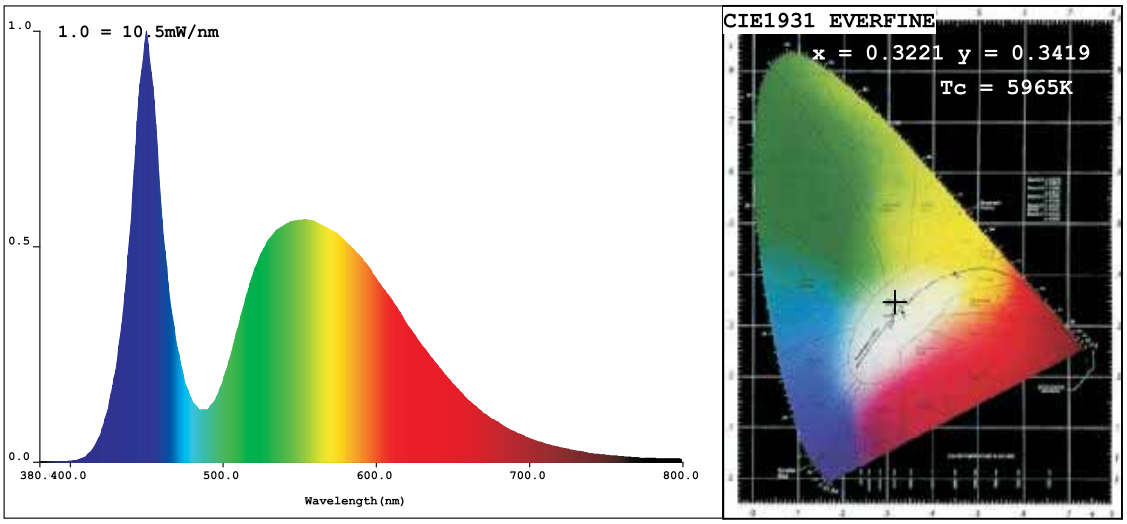
White (MR16)

Spectrophotocolorimeter Test Report

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate:x=0.3221 y=0.3419/u'=0.1995 v'=0.4764 (duv=5.17

CCT:Tc= 5965K Prcp WaveL:λd=501.9nm Purity=3.4%

Peak WaveL: λp=450nm Half Width: Δλp=23.2nm Ratio:R=12.5% G=83.8% B=3.7%

Average Wave: 547nm

Rendering Index:Ra=71.6

Photo Parameters:

Flux:Φ=399.68(lm) Luminous Efficacy: 88.97(lm/W) Luminous Power:P=1.059(W)

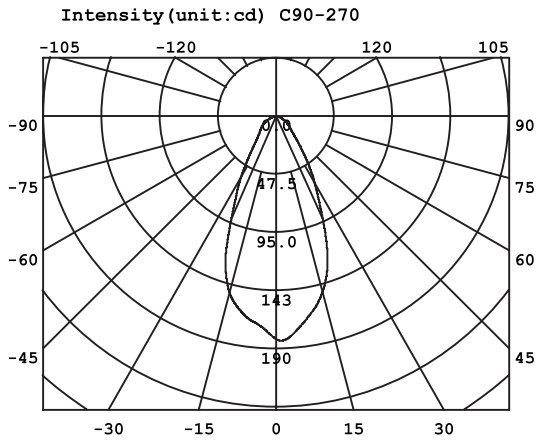
Electrical Parameters:

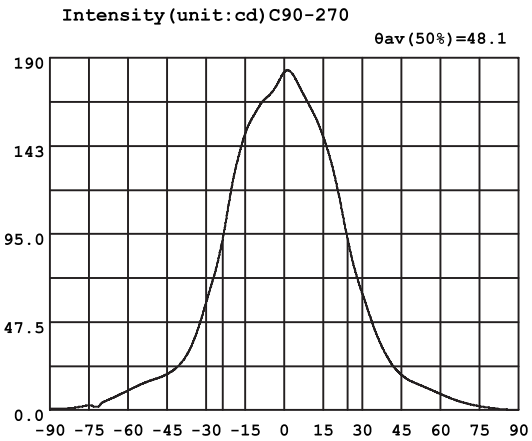
U=11.92V I=0.4996A P=4.192W PF=0.704

Instrument Status:

Scan Range:380.0nm-800.0nm	Interval:5.0nm	Ip = 26837(G=4,D=48)
REF = 8734	TMP(PMT) = 24.7(deg.celsius)	Test Mode: Fast Test

GONIOPHOTOMETER Test Report





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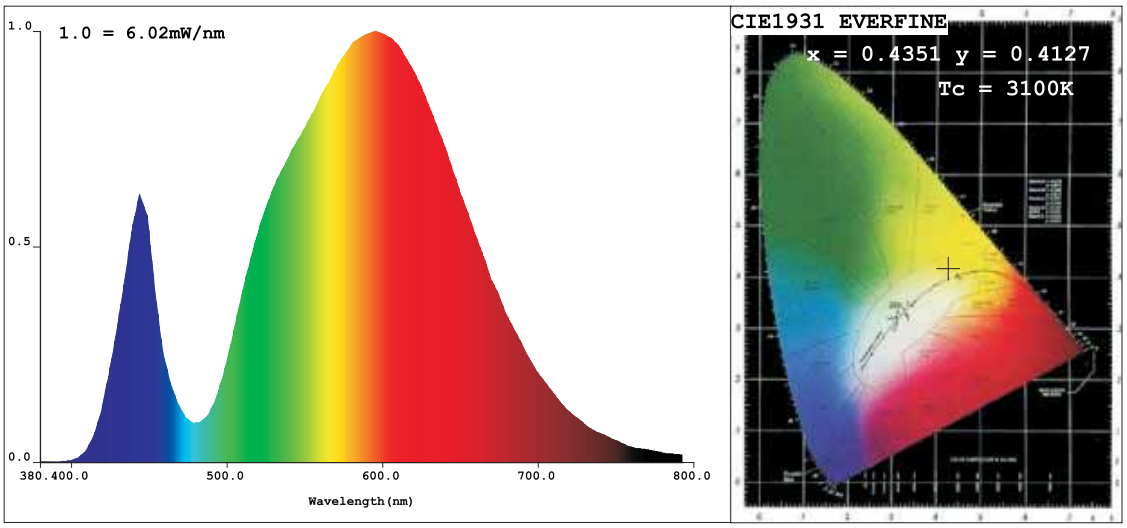
Warm White (MR16)

Spectrophotocolorimeter Test Report

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate:x=0.4351 y=0.4127/u'=0.2458 v'=0.5244 (duv=3.66e

CCT:Tc= 3100K Prcp WaveL:λd=581.2nm Purity=54.5%

Peak WaveL: λp=600nm Half Width: Δλp=147.1nm Ratio:R=21.2% G=77.4% B=1.5%

Average Wave: 591nm

Rendering Index:Ra=75.8

Photo Parameters:

Flux:Φ=320.17(lm) Luminous Efficacy: 70.58(lm/W) Luminous Power:P=994.1(mW)

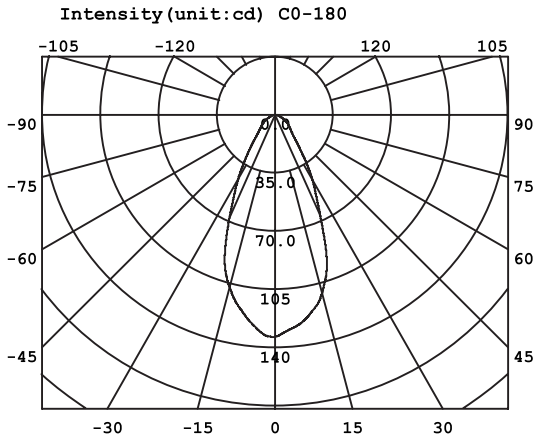
Electrical Parameters:

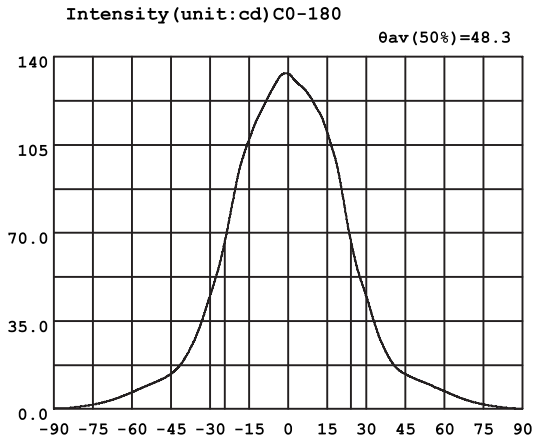
U=11.99V I=0.3781A P=4.536W PF=1.000

Instrument Status:

Scan Range:380.0nm-800.0nm	Interval:5.0nm	Ip = 22384(G=5,D=48)
REF = 7602	TMP(PMT) = 20.4(deg.celsius)	Test Mode: Fast Test

GONIOPHOTOMETER Test Report





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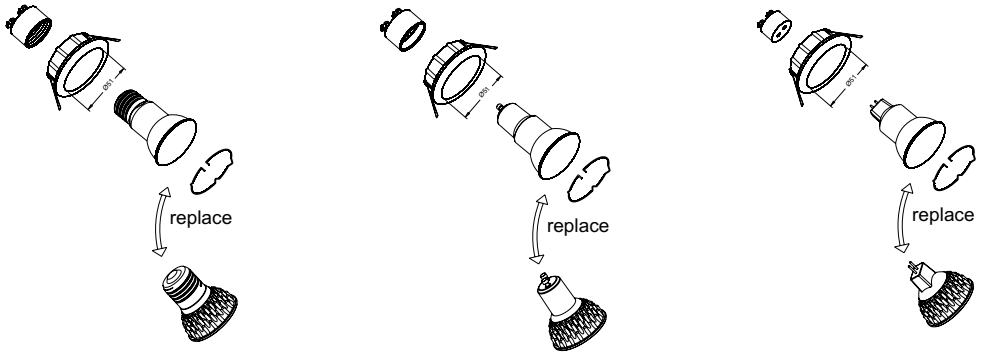
Installation drawing



⚠ The product is strictly prohibited to be used in these conditions:

- For fixtures and circuits with dimming functions:(neither with 100% full brighness)
- For fixtures with internal control circuits (not including those which are officially allowed)
- For conventional direction lamp or exit lights
- For mercury vapor lamps, sodium lamps or HID lamps
- For airtight or mechanically sealed fixtures

⚠ CAUTIONS

- Don't install it around a humid environment or place which has water drops.
- Don't drop, scratch or squeeze the bulb.
- Don't take apart the product or replace mechanical and electronic components.
- Care needs to be taken that the light fixture with the bulb is a safe distance from paper, fabric or other inflammables.
- Tighten the bulb base into socket in case to prevent falling out.
- Don't touch the bulb body with fingers after it works for some time as the body temperature is quite warm.
- Do not stare at the strong light for a long time as it may cause injury to eyes.

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