

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.

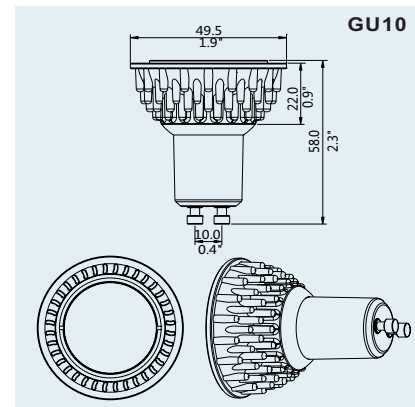
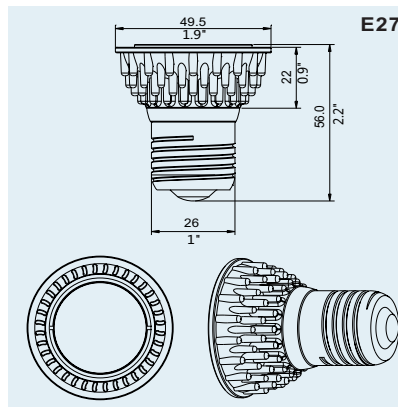
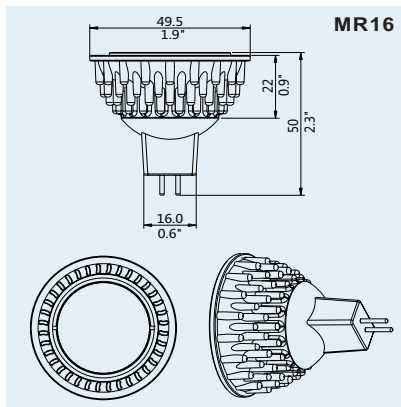
Features

- 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/DC12-24V
- Base: GU10/E26/E27/GU5.3
- Certification: CE, RoHS
- Standard Warranty: 3 Years

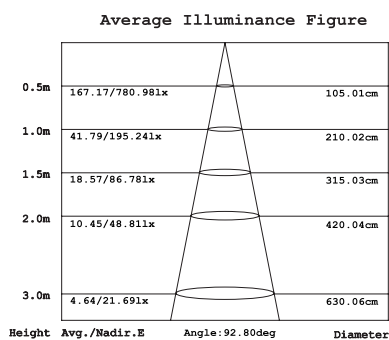
Applications

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

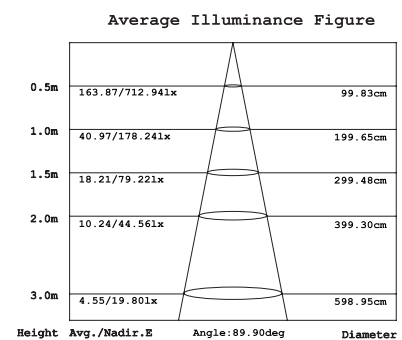




Specifications



White



Warm White

Model Number	Shell Color	Color	LED Type	CCT	Power Consumption (W)	CRI	Lumen (lm)	Voltage (V)	Beam Angle (degrees)	Weight (kg)
AR-006-AW-01WE27	Black	White	3535 SMD LED	5000-7000K	5	72	400	100-240V AC 50/60Hz	45°/90°	0.045
E27-006-AW-W-01	Silver			2700-3500K	5	76	320	100-240V AC 50/60Hz	45°/90°	
AR-006-AW-01WWE27	Black	Warm White		4000-5000K	5	74	380	100-240V AC 50/60Hz	45°/90°	
E27-006-AW-WW-01	Silver			5000-7000K	5	72	400	100-240V AC 50/60Hz	45°/90°	
AR-006-AW-01NWE27	Black	Natural White		2700-3500K	5	76	320	100-240V AC 50/60Hz	45°/90°	
E27-006-AW-NW-01	Silver			4000-5000K	5	74	380	100-240V AC 50/60Hz	45°/90°	
AR-006-AW-01WGU10	Black	White		5000-7000K	5	72	400	100-240V AC 50/60Hz	45°/90°	
GU10-006-AW-W-01	Silver			2700-3500K	5	76	320	100-240V AC 50/60Hz	45°/90°	
AR-006-AW-01WWGU10	Black	Warm White		4000-5000K	5	74	380	100-240V AC 50/60Hz	45°/90°	
GU10-006-AW-WW-01	Silver			5000-7000K	4.5	72	400	12V-24V AC/DC	45°/90°	
AR-006-AW-01NWGU10	Black	Natural White		2700-3500K	4.5	76	320	12V-24V AC/DC	45°/90°	
GU10-006-AW-NW-01	Silver			4000-5000K	4.5	74	380	12V-24V AC/DC	45°/90°	
AR-006-D5-01WMR16	Black	White	3535 SMD LED	5000-7000K	4.5	72	400	12V-24V AC/DC	45°/90°	0.045
MR16-006-D5-W-01	Silver			2700-3500K	4.5	76	320	12V-24V AC/DC	45°/90°	
AR-006-D5-01WWMR16	Black	Warm White		4000-5000K	4.5	74	380	12V-24V AC/DC	45°/90°	
MR16-006-D5-WW-01	Silver			5000-7000K	4.5	72	400	12V-24V AC/DC	45°/90°	
AR-006-D5-01NWMR16	Black	Natural White		2700-3500K	4.5	76	320	12V-24V AC/DC	45°/90°	
MR16-006-D5-NW-01	Silver			4000-5000K	4.5	74	380	12V-24V AC/DC	45°/90°	

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.

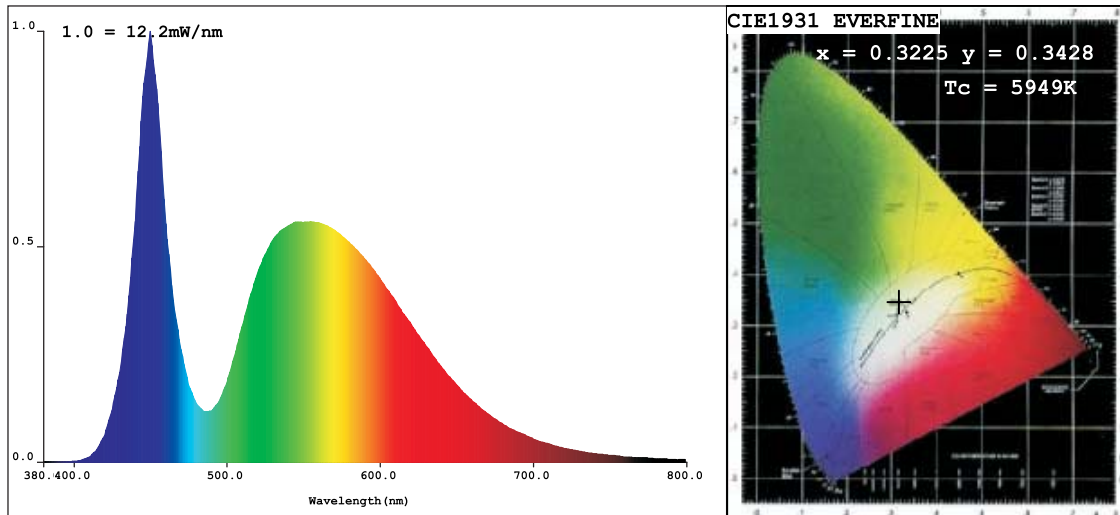
Absolute Maximum Rating

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

White (GU10 / E27)

Spectrophotometer 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: $T_c = 5949K$ Prpc WaveL: $\lambda_d = 503.4nm$ Purity=3.3%

Peak WaveL: $\lambda_p = 450nm$ Half Width: $\Delta\lambda_p = 22.8nm$ Ratio: R=12.5% G=83.8% B=3.7%

Average Wave: 547nm

Rendering Index: $R_a = 71.5$

Photo Parameters:

Flux: $\Phi = 399.59(lm)$ 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

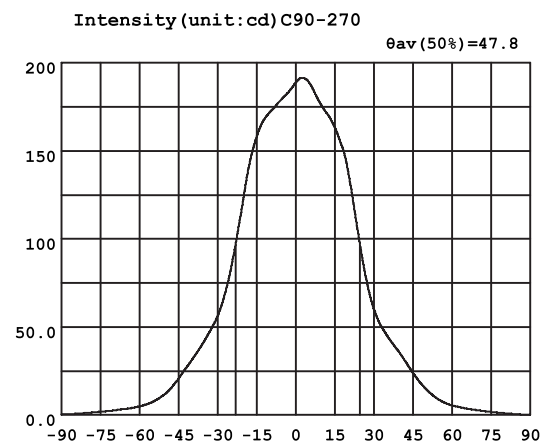
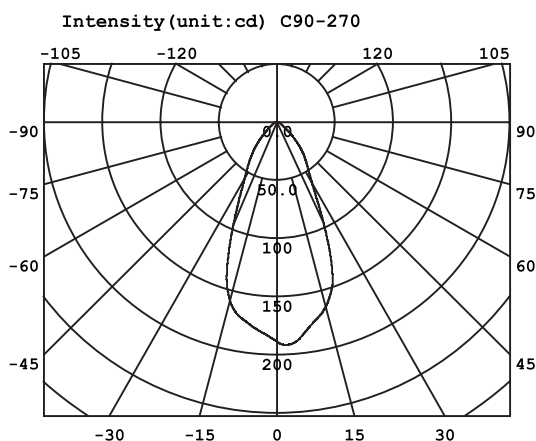
$I_p = 31582 (G=4, D=48)$

REF = 10068

TMP (PMT) = 25.4(deg.celsius)

Test Mode: Fast Test

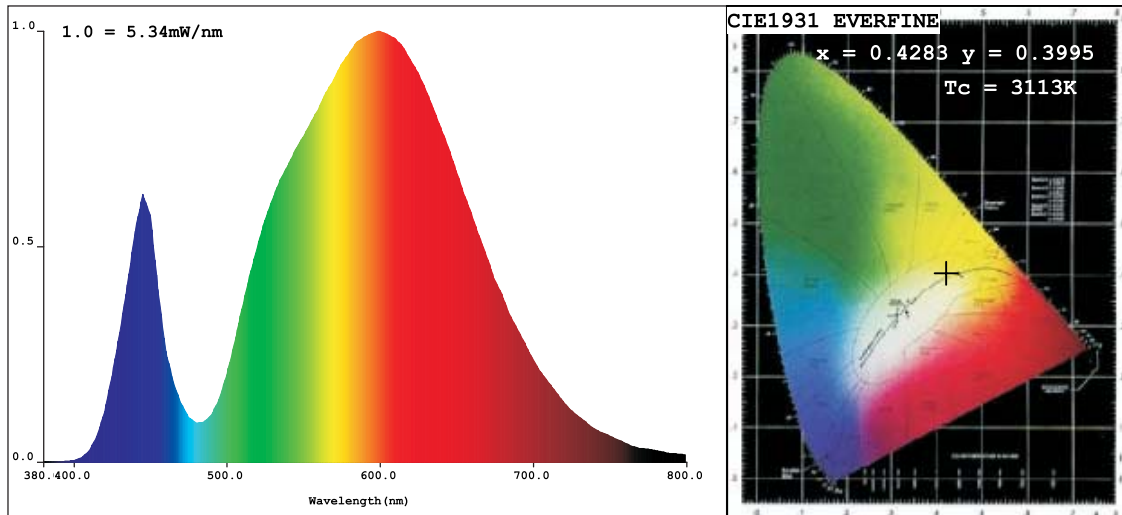
GONIOPHOTOMETER Test Report



Warm White (GU10/E27)

Spectrophotometer 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: $T_c = 3113K$ Prcp WaveL: $\lambda_d = 582.6nm$ Purity=48.5%

Peak WaveL: $\lambda_p = 600nm$ Half Width: $\Delta\lambda_p = 147.6nm$ Ratio: R=21.5% G=76.9% B=1.6%

Average Wave: 590nm

Rendering Index: $R_a = 76.9$

Photo Parameters:

Flux: $\Phi = 320.16(lm)$ 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

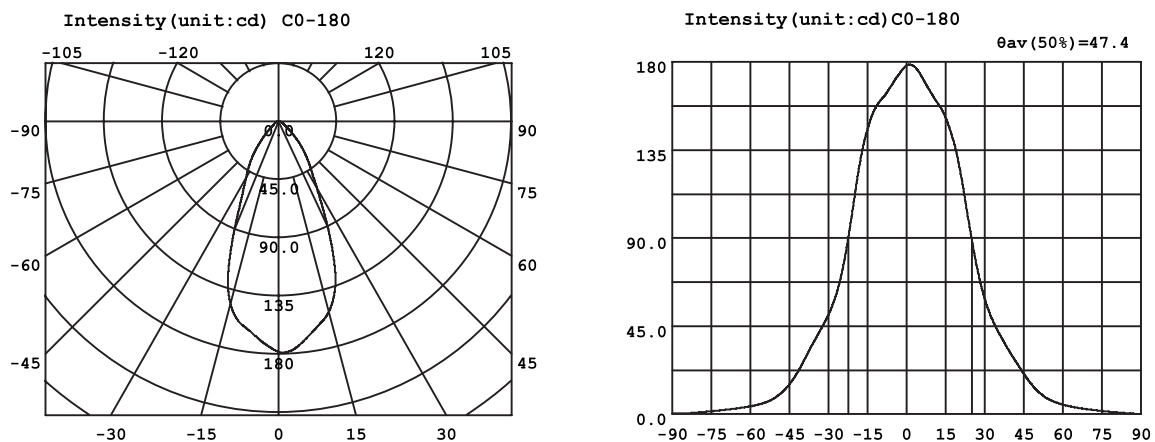
$I_p = 23206$ (G=5, D=49)

REF = 7226

TMP(PMT) = 24.9(deg.celsius)

Test Mode: Fast Test

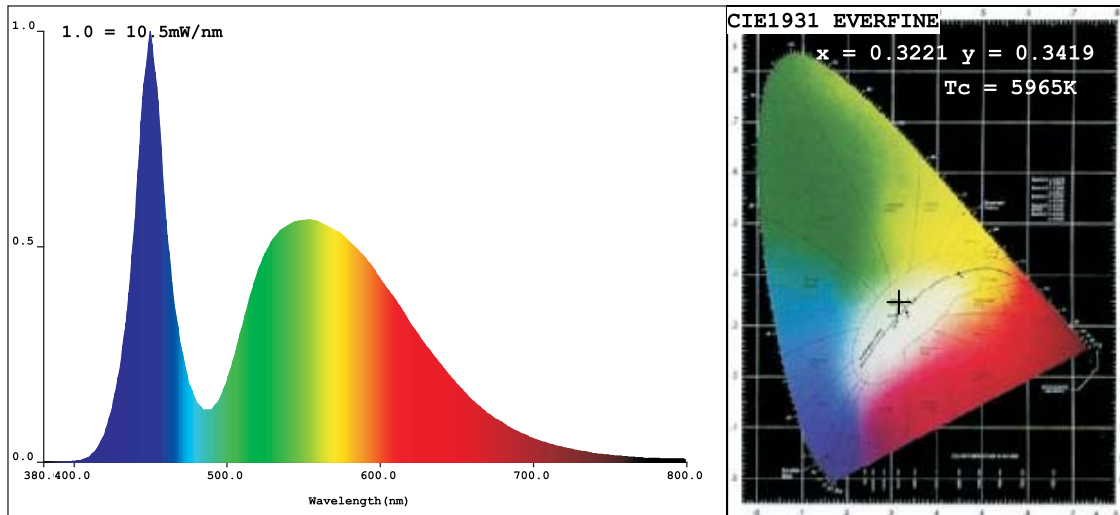
GONIOPHOTOMETER Test Report



White (MR16)

Spectrophotometer 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: $T_c = 5965K$ Prcp WaveL: $\lambda_d=501.9nm$ Purity=3.4%

Peak WaveL: $\lambda_p=450nm$ Half Width: $\Delta\lambda_p=23.2nm$ Ratio: R=12.5% G=83.8% B=3.7%

Average Wave: 547nm

Rendering Index: $R_a=71.6$

Photo Parameters:

Flux: $\Phi=399.68(lm)$ 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

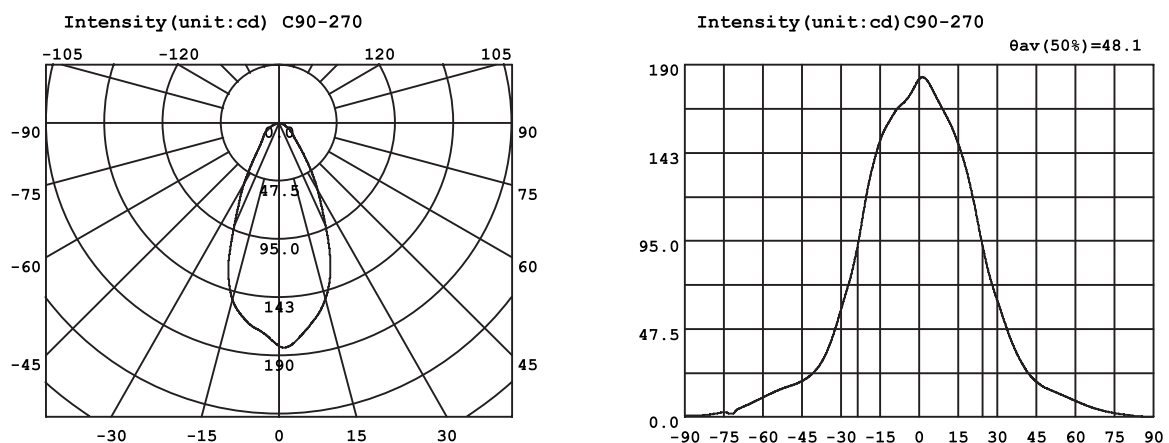
$I_p = 26837 (G=4, D=48)$

REF = 8734

TMP (PMT) = 24.7(deg.celsius)

Test Mode: Fast Test

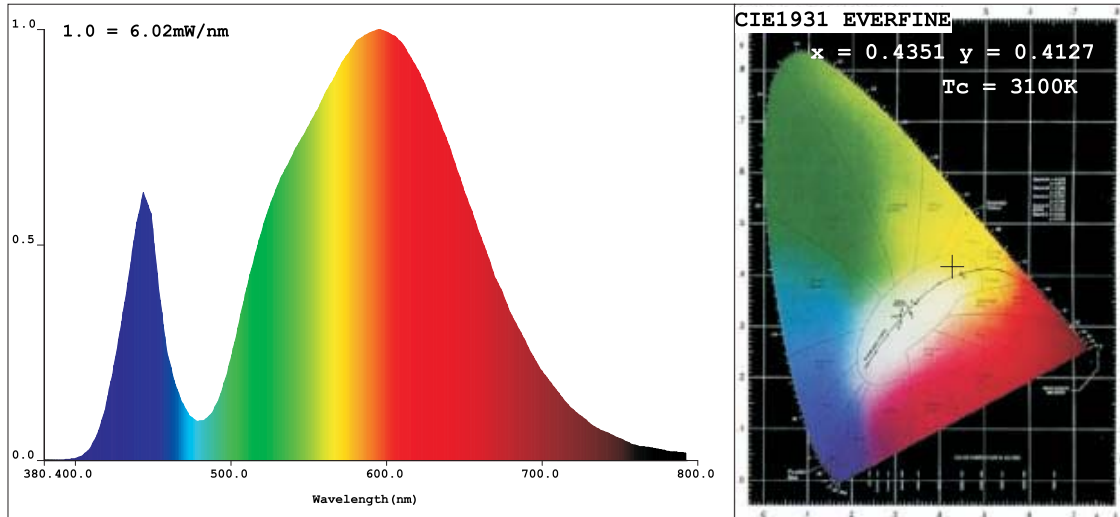
GONIOPHOTOMETER Test Report



Warm White (MR16)

Spectrophotometer 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: $T_c = 3100K$ Pr_{cp} WaveL: $\lambda_d = 581.2nm$ Purity=54.5%

Peak WaveL: $\lambda_p = 600nm$ Half Width: $\Delta\lambda_p = 147.1nm$ Ratio: R=21.2% G=77.4% B=1.5%

Average Wave: 591nm

Rendering Index: $R_a = 75.8$

Photo Parameters:

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

Electrical Parameters:

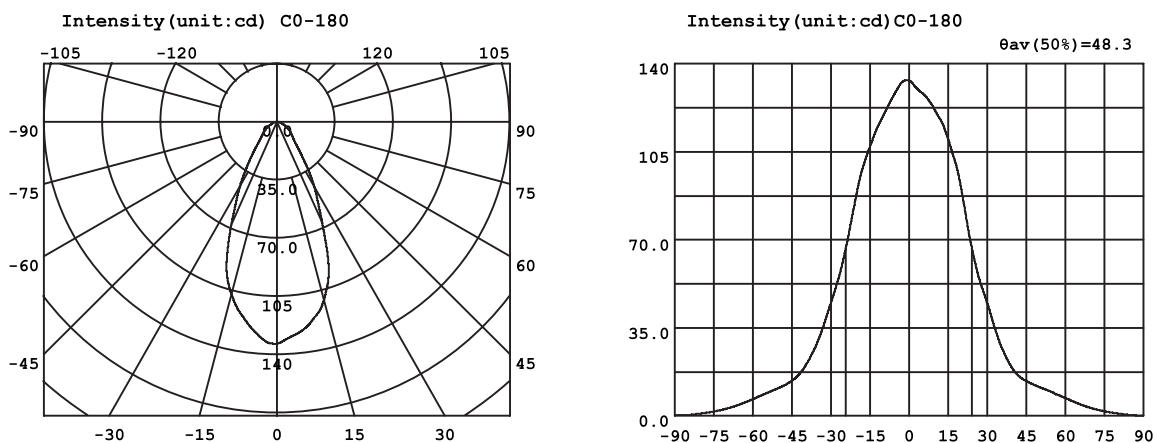
U=11.99V I=0.3781A P=4.536W PF=1.000

Instrument Status:

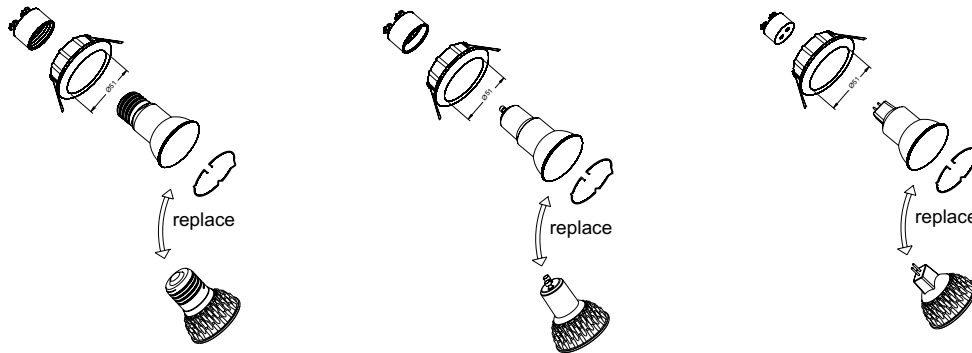
Scan Range: 380.0nm-800.0nm Interval: 5.0nm $I_p = 22384 (G=5, D=48)$

REF = 7602 TMP(PMT) = 20.4(deg.celsius) Test Mode: Fast Test

GONIOPHOTOMETER Test Report



Installation drawing



- ⚠ The product is strictly prohibited to be used in these conditions:
- For fixtures and circuits with dimming functions: (neither with 100% full brightness)
 - 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.

Signcomplex Limited Warranty

Signcomplex warrants this product ("Product") against defects in material or workmanship for a period of three years from the date of purchase. If this Product is determined to be defective, Signcomplex will repair or replace the Product, at its option. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone than a facility authorized by Signcomplex to service the Product.

Repair or replacement as provided under this warranty is the exclusive remedy of the customer. Signcomplex shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on this Product except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose on this Product is limited in duration to the duration of this limited warranty.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Only Signcomplex may change, amend or modify the terms of this Limited Warranty and any such change, amendment or modification shall be in writing and is sued by Signcomplex. To obtain warranty service and shipping information call +86 755 2760 8650 or e-mail info@signcomplex.com. You must provide proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the Product is within the warranty period to obtain warranty service. Consumers have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the warranties provision outlined in this document.