

M-Spot™ series

-----Triac Dimmable



Features

- Life Span: 40,000 Hours
- Standard Warranty: 3 Years
- Universal E27/E26/B22/GU10
- Fully Dimmable (0-100%)
- Innovative Design, Better Thermal Management.
- Ecologically Friendly



M-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.

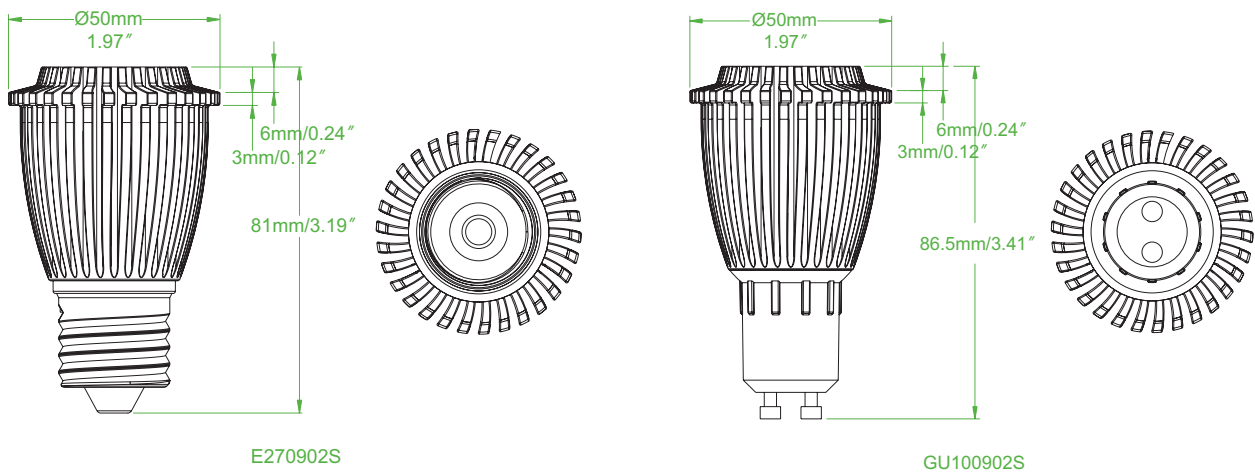
Proprietary driving circuit enables M-Spot™ to replace traditional incandescent / halogen lamp, up to 60 watt, directly without additional modification or transformer. There are Triac dimming.

Application

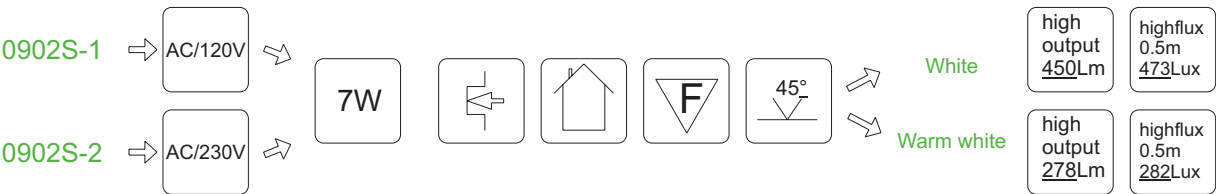
Widely used in the hotel, meeting room, offices, hospital, schools, factories, commercial lighting, shopping malls, supermarkets, kitchen, display, backlight, home indoor lighting and so on.



Dimensions

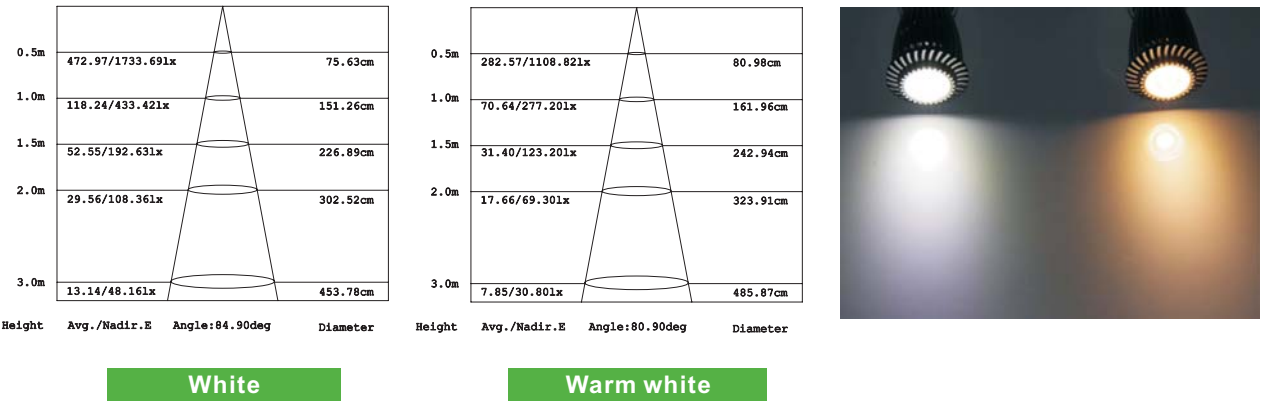


Specifications



Model #	Color	LED Type	CCT	Rated Power Consumption	CRI	Lumen	Voltage Frequency	Beam Angle	Weight
GU100902S-1-W /E270902S-1-W	White	BridgeLux	6000K	7W	>75	450	120Vac/60 Hz	45°	3.35 ounces (95g)
GU100902S-1-WW /E270902S-1-WW	Warm White	BridgeLux	3300K	7W	>80	278	120Vac/60 Hz	45°	
GU100902S-2-W /E270902S-2-W	White	BridgeLux	6000K	7W	>75	450	230Vac/50Hz	45°	
GU100902S-2-WW /E270902S-2-WW	Warm White	BridgeLux	3300K	7W	>80	278	230Vac/50Hz	45°	

Average Illuminance Figure

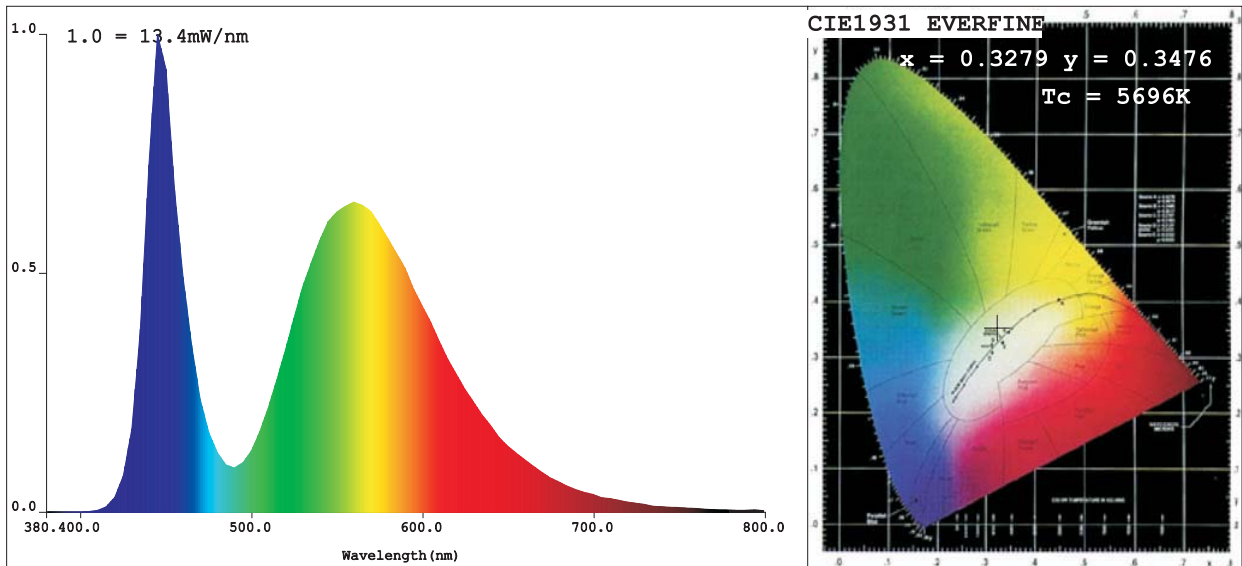


Absolute Maximum Rating

Parameter	Rating	Units
Aluminum Heat sink Temperature	78	° C
Operating Temperature	-20~+40	° C
Storage Temperature	-40~+80	° C
Equilibrium Temperature	31	° C

White

Spectrophotometer Test Report
Light Source Test Report



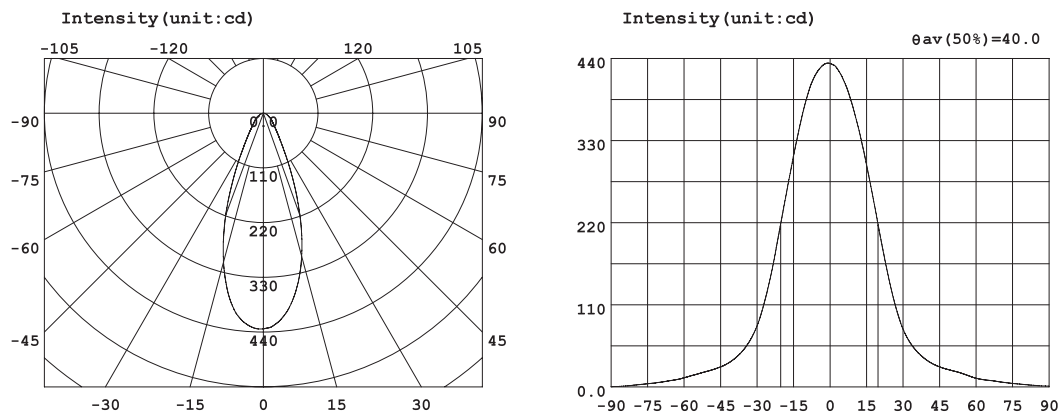
CIE Color Parameters:
Chromaticity Coordinate: $x=0.3279$ $y=0.3476$ / $u'=0.2013$ $v'=0.4802$ ($duv=5.35e-003$)
CCT: $T_c= 5696K$ Prcp WaveL: ~~λ~~ $\lambda=530.0nm$ Purity=3.0%
Peak WaveL: ~~λ~~ $\lambda=445nm$ Half Width: ~~$\Delta\lambda$~~ $\Delta\lambda=23.0nm$ Ratio: $R=11.2\%$ $G=85.6\%$ $B=3.2\%$
Average Wave: 549nm CLASS: F_6300K
Rendering Index: $R_a=61.2$

Photo Parameters:
Flux: ~~Φ~~ $\Phi=450.28(lm)$ Luminous Efficacy: 57.65(lm/W) Luminous Power: $P=1.288(W)$

Electrical Parameters:
 $U=217.3V$ $I=0.0512A$ $P=6.906W$ $PF=0.702$

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm $I_p = 42350(G=5,D=54)$
REF = 15005 TMP (PMT) = 27.9(deg.celsius) Test Mode: Fast Test

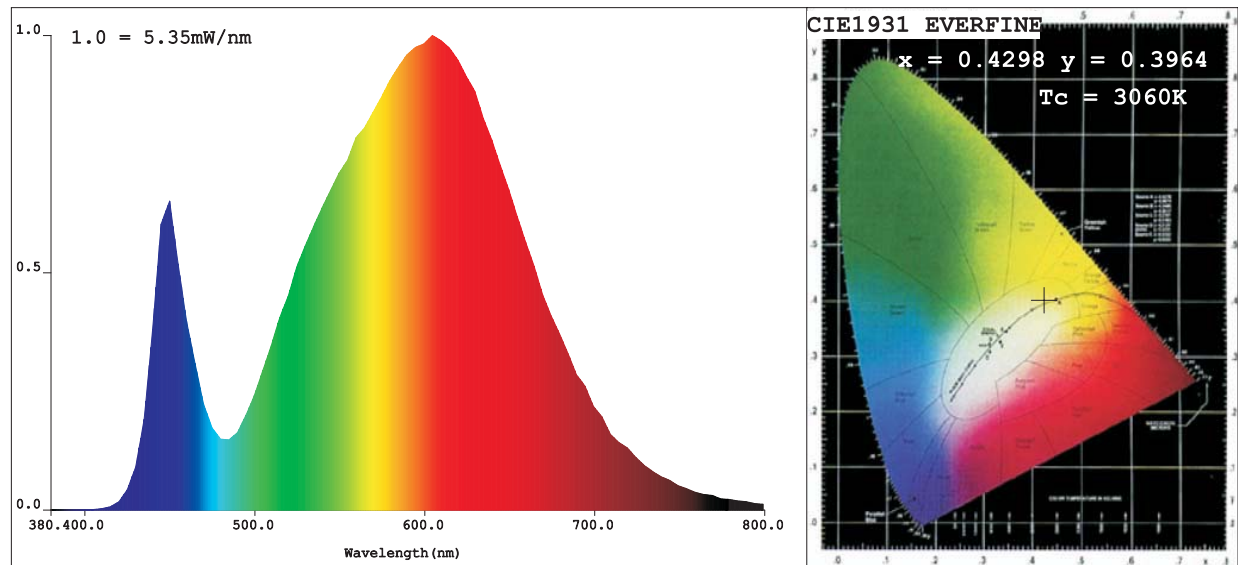
GONIOPHOTOMETER Test Report



Warm White

Spectrophotometer Test Report

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.4298$ $y=0.3964$ $u'=0.2493$ $v'=0.5173$ ($duv=-2.09e-003$)

CCT: $T_c=3060\text{K}$ Prcp WaveL: $\lambda_p=583.4\text{nm}$ Purity=48.0%

Peak WaveL: $\lambda_p=605\text{nm}$ Half Width: $\Delta\lambda=142.1\text{nm}$ Ratio: R=22.4% G=75.5% B=2.2%

Average Wave: 591nm

CLASS: OUT

Rendering Index: Ra=80.7

Photo Parameters:

Flux: $\Phi=276.89(\text{lm})$ Luminous Efficacy: 35.76(lm/W) Luminous Power: $P=872.6(\text{mW})$

Electrical Parameters:

U=217.4V I=0.0509A P=7.014W PF=0.699

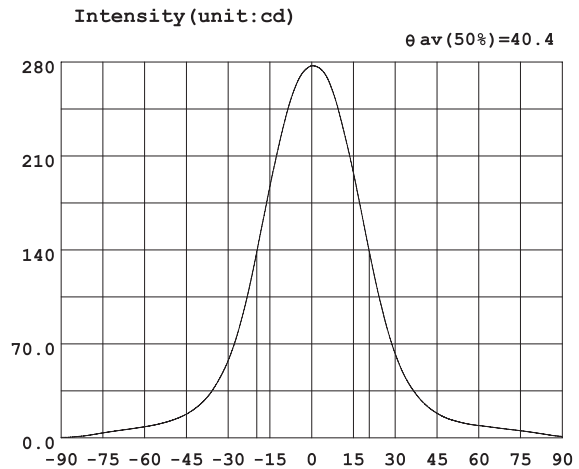
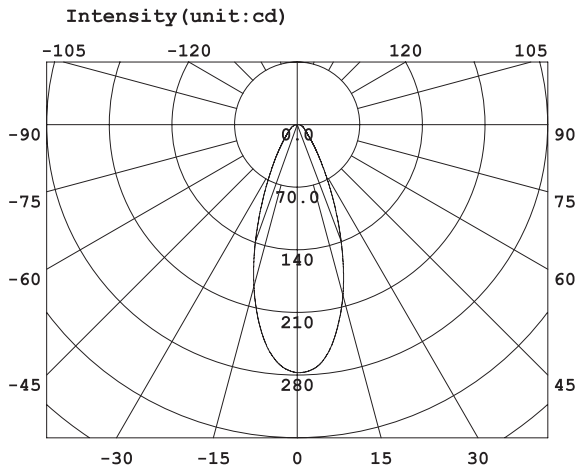
Instrument Status:

Scan Range: 380.0nm-800.0nm
REF = 9254

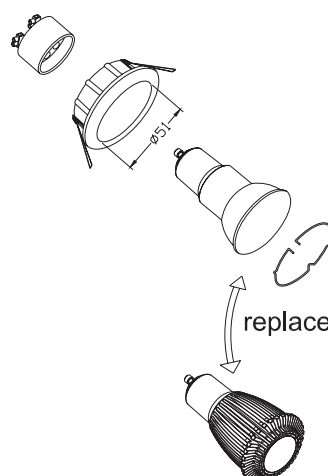
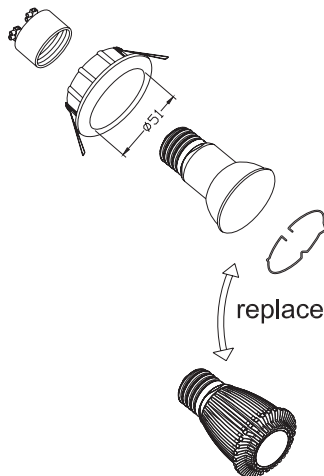
Interval: 5.0nm
TMP (PMT) = 25.7(deg.celsius)

$I_p = 47639$ (G=6, D=69)
Test Mode: Fast Test

GONIOPHOTOMETER Test Report



Installation



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

- 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.