
Solid-State Lighting Series

6W GU10 Datasheet



Features :

- Solid State Lighting Technology
- Superior Quality Light
- Reduce CO₂ Emission
- Energy Saving (6W)
- Ecologically Friendly

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General Information

Introduction

Edison Opto GU10 uses high brightness LED engine which gives a superb illuminance. It is ideal for the use in tracks, rails, and pendants in exhibit, architectural and residential applications. Furthermore, the multi- selection on various colors offers a great experience in decorative and moodlighting applications.

The lamp features standard GU10 bi-pin, which offers an instant replacement in GU10 type fixtures. It can be used in hard-to-reach locations to prevent a regular maintenance needs.

Product Nomenclature

The following table describes the available color, power, and lens type. For more flux and forward voltage information, please consult the Bin Group document.

Table 1 . 6W GU10 Nomenclature.

E		G 1 0		-	6	2	W	5	-	0	3	5	0
X1	X2	X3	X4	X5	X6	X7	X8	X9	X10				
X1 LED Item		X2 SSL Series		X3 Wattage		X4 Angle		X5 Color		X6~X10 Serial No.			
Code	Type	Code	Type	Code	Type	Code	Type	Code	Type	Code	Type		
E	Edison	G10	GU10	6	6W	2	25°	W	Cool White	--	--		
								H	Neutral White				
								X	Warm White				

Dimensions

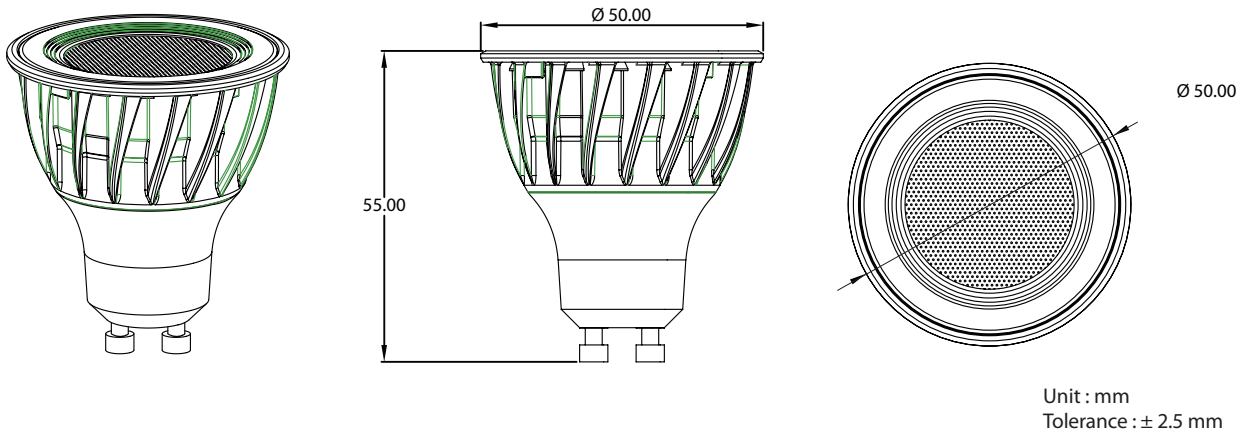


Figure 1. 6W GU10 dimensions.

Absolute Maximum Ratings

The following table shows electrical characteristics and operating temperature of 6W GU10.

Table 2 . 6W GU10 absolute maximum rating.

Parameter	Symbol	Rating	Units
Operating Temperature	T_{opr}	-20 ~ 40	°C
Storage Temperature	T_{stg}	-40 ~ 60	°C
Input Voltage	V	100~240	V

Note : The Operating temperature* is based on the ambient temperature to the heatsink in 5 cm distance.

Specifications

The following describes the choices of color temperature, angles, and CRI of 6W GU10 for different demand.

Table 3. 6W GU10 specifications.

Parameter	Rating	Units
Power Consumption	6	W
Beam Angle	25	Degree
Color Temperature	3000/4000/6000	K
CRI	80/75/70	/
Weight	70±5	g
Base	GU10	/

Note : Power consumption has 5% tolerance.

Illuminance

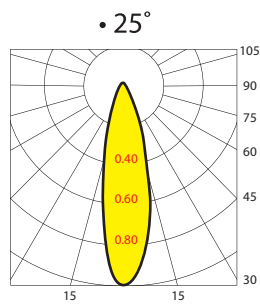
The tables present the illuminance level with respect to different angle and color temperature.

Table 4. 6W GU10 Illuminance for different colors.

Power Consumption(W)	Beam Angle	Color	CCT(K)	Part Number	Lux @1m (Typ.)	Typ Flux(lm)
6W	25°	Cool White	6000K	EG10-62W5-0350	2220	370
		Neutral White	4000K	EG10-62H5-0350	2040	340
		Warm White	3000K	EG10-62X5-0350	1800	290

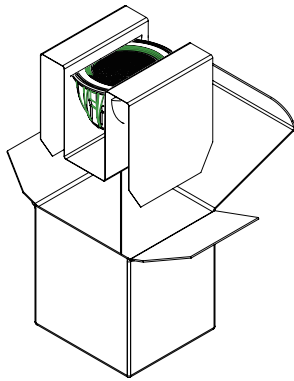
Light Pattern

The diagram presents the light patterns with respect to different color temperature and field angle.

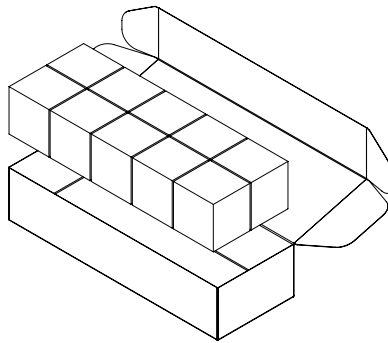


EL16-62x0-0000

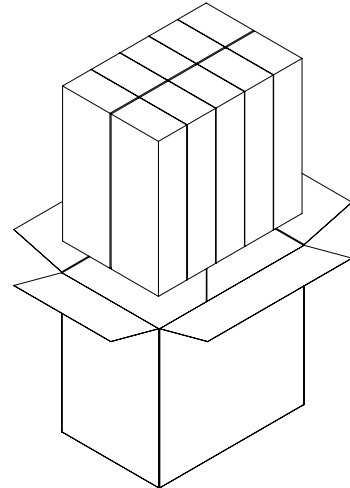
Package Information



1pc / Pack



10 Packs / Box



10 Boxes / Carton

Figure 2 . 6W GU10 Package.

Notes:

1. Pack Dimensions : 52mm(length)*52mm(width)*65mm(height)
2. Box Dimensions : 330mm(length)*120mm(width)*70mm(height)
3. Carton Dimensions : 368mm(length)*248mm(width)*350mm(height)
4. Figures not shown to scale.

Application Notes

Edison Opto 6W GU10 is compatible for traditional GU10 and more effective. Meanwhile it can be easily installed in lighting fixture.

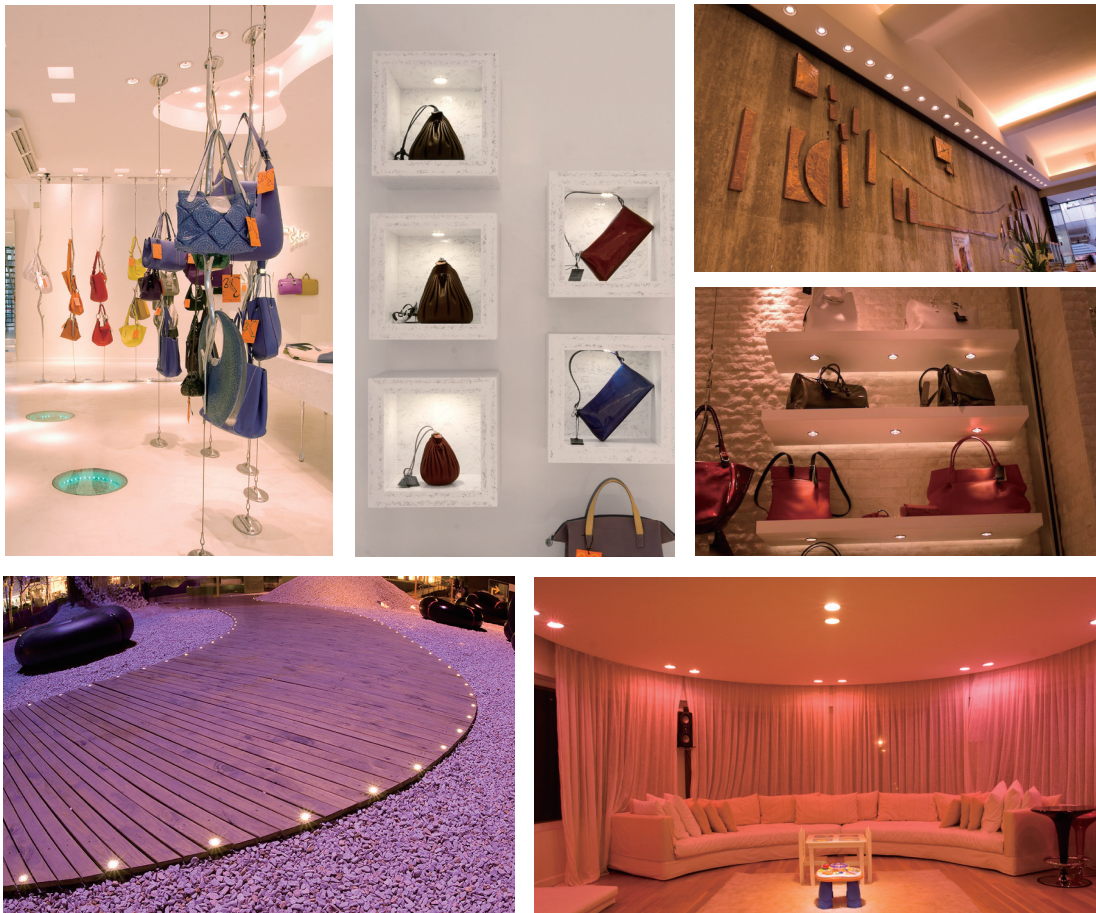


Figure 3. 6W GU10 application picture.

Revision History

Table 5. Revision History of 6W GU10.

Versions	Description	Release Date
1	1. Establish a Datasheet.	2012/05/22

About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at www.edison-opto.com

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