

LED Lamp

6W GU10C

Ledionopto 6W GU10C uses high brightness LED engine which gives a superb illuminance.

Built for downlights and spotlights, Ledionopto 6W GU10C offers an instant replacement in GU type fixtures. The wide choices of color make Ledionopto 6W GU10C an ideal light source in any applications.

The low energy consumption and long life characteristics allow the customers to lower both energy and maintenance cost.

With a life of more than 25,000 hours, it can be used in hard-to-reach locations to prevent a regular maintenance needs.

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



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Dimensions

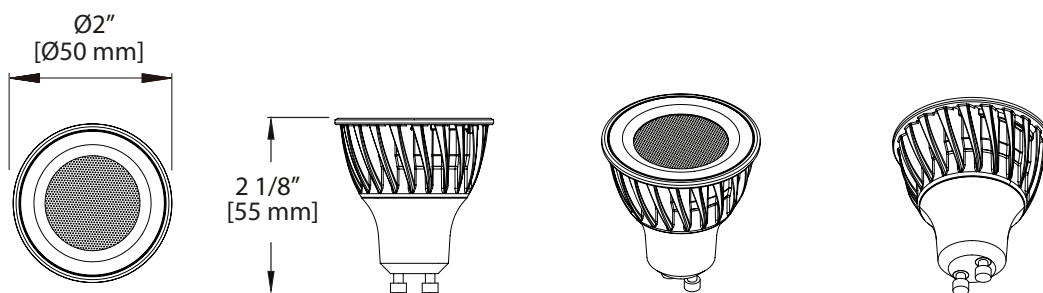


Figure 1: Dimensions for 6W GU10C.

Tolerance: $\pm 1/8"$ [2.5 mm]

Absolute Maximum Rating

The following table shows electrical characteristics and operating temperature of 6W GU10C.

Parameter	Symbol	Rating	Units
Plastic Housing Temperature	T_c	65	$^{\circ}\text{C}$
Operating Temperature	T_{opr}	-20 ~ +40	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-40 ~ +60	$^{\circ}\text{C}$
AC Input Voltage	V	100 ~ 240	V
Equilibrium Temperature	T_{eq}	65	$^{\circ}\text{C}$

Table 1: Absolute maximum rating for 6W GU10C.

Specifications

The following describes the choices of color temperature, angles, and CRI of 6W GU10C for different demand.

Parameter	Rating	Units
Power Consumption	6	W
Beam angle	25	Degree
Field angle	50	Degree
Color Temperature	3000 / 4000 / 6000	K
CRI	80 / 75 / 70	Ra
Weight	70 ± 5	g
Base	GU10	--

Table 2: Specifications for 6W GU10C.

Illuminance and Field Angles

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

Power Consumption	Part Number	Beam Angle	Field Angle	CCT(Typ.)	Lux@ 1m (Typ.)	Lm(Typ.)
6W	GU10C-0651xx	25°	50°	5650~7000K	1630	440
	GU10C-0652xx			3800~4500K	1480	400
	GU10C-0653xx			2670~3050K	1400	380

Table 3: 6W GU10C Illuminance for different colors.

Nomenclature

The following table describes the available colors, and field angles.

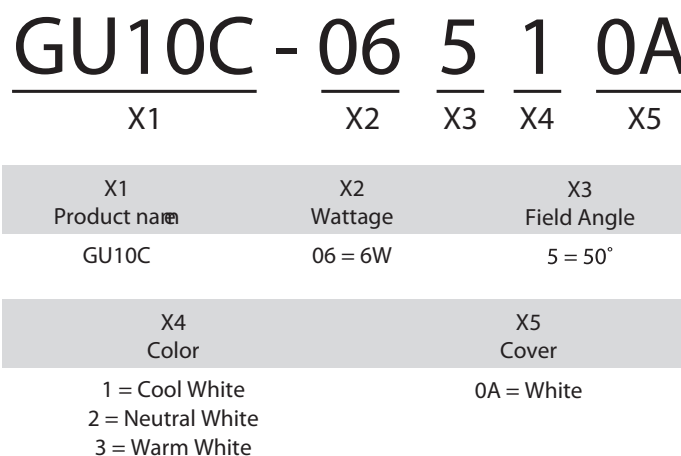


Figure 2: 6W GU10C nomenclature.

Lifetime

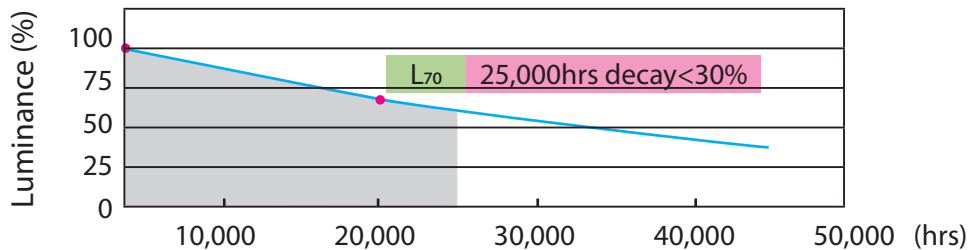


Table 4: Lifetime for 6W GU10C.

Environmentally Friendly

With the increasing demand for energy and the effect on global warming, Ledionopto lighting plays a role in preserving the forest by reducing energy consumption, and CO₂ emission one step at a time.

Replacing traditional halogen lamp with Ledionopto Lighting 6W GU10C Spotlight, one can help in reducing global warming by 242.5 kg of CO₂ annually.

6W GU10C VS 50W Halogen GU10

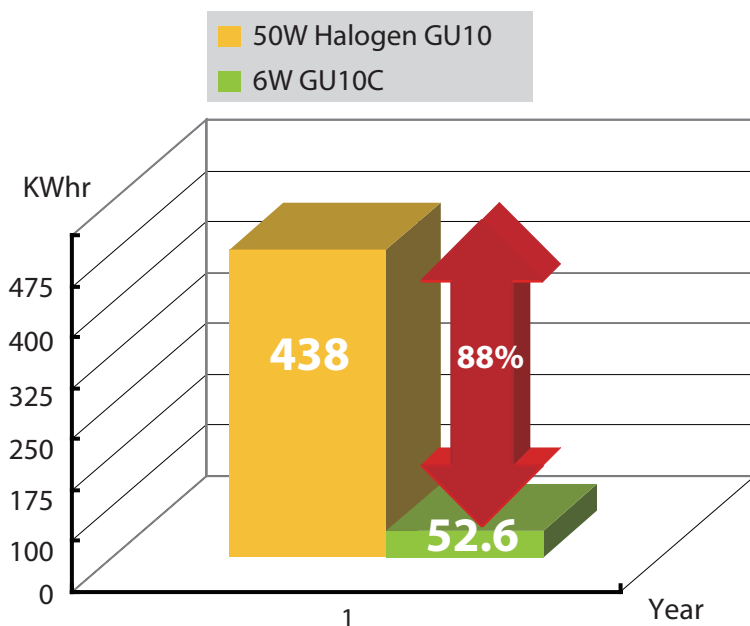
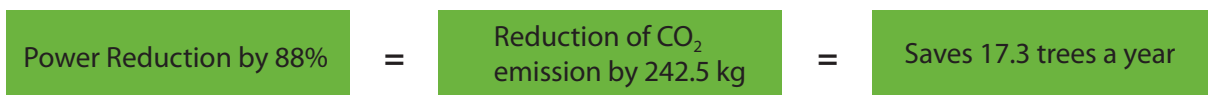


Figure 5 : 6W GU10C Environmentally Friendly.

Note : 1.Calculation based on 24 hours of daily operation.

Economical



Power Consumption: 50W Halogen
Expected Lifetime: 3,000 hrs



Power Consumption: 6W GU10C Saving : 385.4 kWh/year
Expected Lifetime: 30,000 hrs

Accumulated cost over lifetime

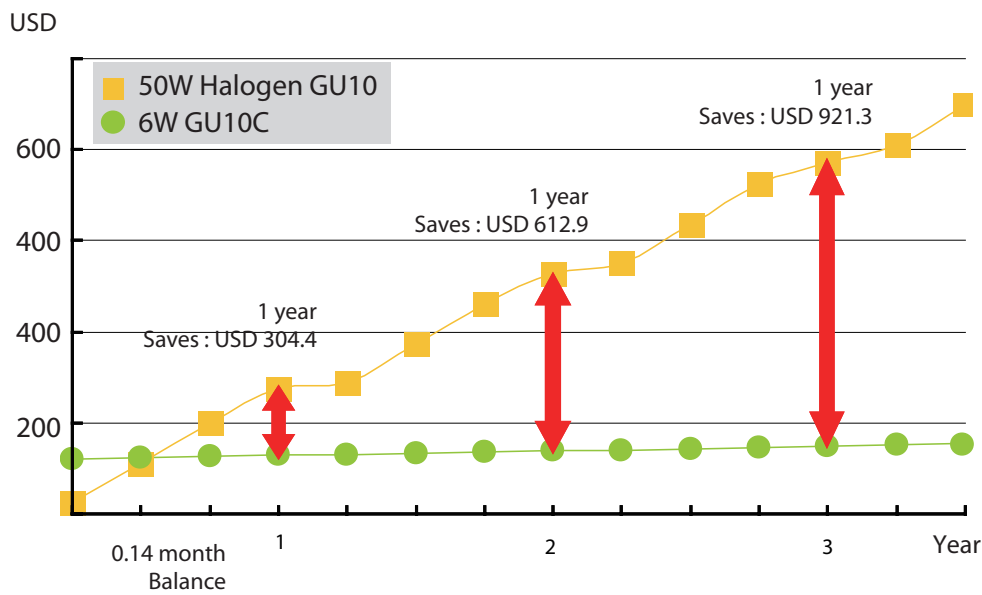


Figure 6 : 6W GU10C VS 50W Halogen.

Notes : 1.Calculation based on 24 hours of daily operation (€9.41/kWh).
 2.Cost includes the replacement of 50W halogen GU10.

Application Notes

Ledionopto 6W GU10C is compatible for traditional GU10 and more effective. Meanwhile it can be easily installed in lighting fixture.



Figure 4: Application picture for 6W GU10C.

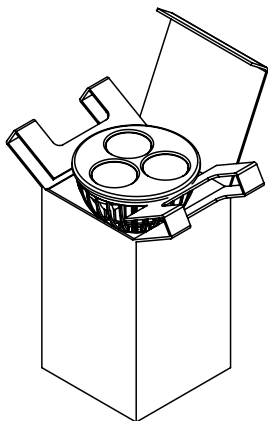
Package Information(Standard)

Notes:

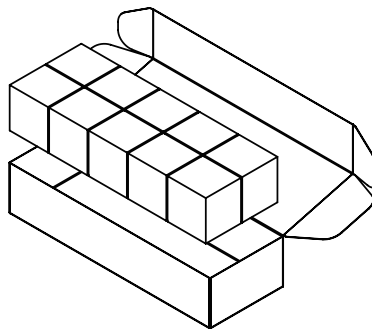
Pack Dimensions : 60mm(length)*55mm(width)*65vmm(height)

Box Dimensions : 330mm(length)*120mm(width)*70mm(height)

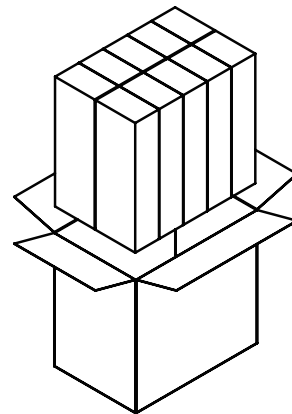
Carton Dimensions : 368mm(length)*248mm(width)*350mm(height)



1pc / Pack



10 pcs / Box



100 pcs / Carton

Figure 5: Standard Package for 6W GU10C.