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A New Experience in Light

# LED Lamp

## 3W GU10



Orlight 3W GU10 uses high brightness LED engine which gives a superb illuminance. Built for downlights and spotlights, Orlight 3W GU10 offers an instant replacement in GU type fixtures. The wide choices of colour temperatures make Orlight 3W GU10 an ideal light source in any applications. The low energy consumption and long life characteristics allow for a reduction in 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 CO<sub>2</sub> Emission
- Superior Quality Light
- Energy Saving (3W)
- Ecologically Friendly



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### Dimensions

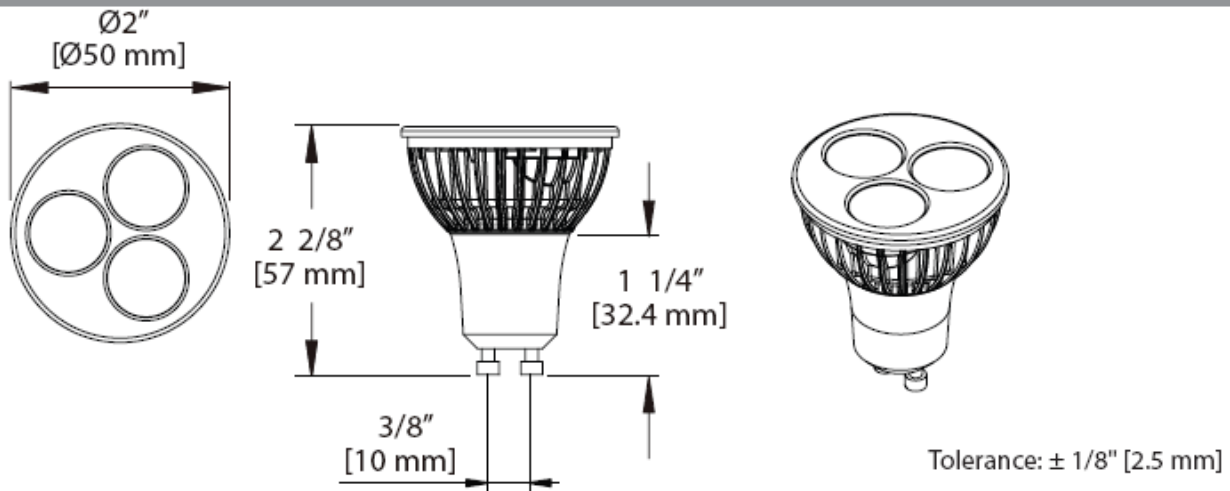


Figure 1: Dimensions for 3W GU10.

### Absolute Maximum Rating

The following table shows electrical characteristics and operating temperature of 3W GU10.

Parameter	Symbol	Rating	Units
Plastic Housing Temperature	$T_c$	65	°C
Operating Temperature	$T_{opr}$	-20 ~ +40	°C
Storage Temperature	$T_{stg}$	-40 ~ +60	°C
AC Input Voltage	V	110~240	V
Equilibrium Temperature	$T_{eq}$	60	°C

### Specifications

The following describes the choices of color temperature, angles, and CRI of 3W GU10 for different demand.

Parameter	Rating	Units
Power Consumption	3	W
Field Angles	38	Degree
Color Temperature	3000 / 4000 / 6000	K
CRI	80 / 75 / 70	/
Weight	60 ± 5	g
Base	GU10	--



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### Illuminance and Field Angles

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

Power Consumption	Part Number	CCT(Typ.)	Color	Field Angles	Lux@ 1m (Min.)	Lux@ 1m (Typ.)	Lm(Min.)
3W	LB-GU10-03310x	5650~7000K	Cool White	38°	940	1100	190
	LB-GU10-03320x	3800~4500K	Neutral White		680	800	130
	LB-GU10-03330x	2670~3050K	Warm White		640	750	120

### Light Patterns

The diagrams present the light patterns with respect to different color temperature and field angle.

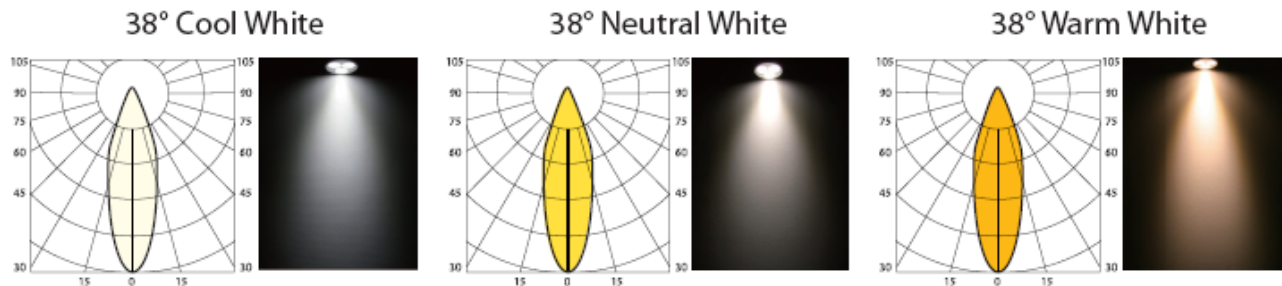
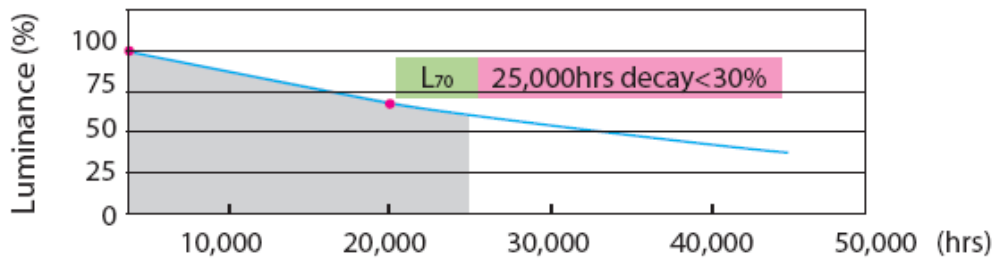


Figure 3: Light patterns for 3W GU10.

### Lifetime



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### Environmentally Friendly

Power Reduction by 91%

=

Reduction of CO<sub>2</sub> emission by 107 kg

=

Saves 8 trees a year

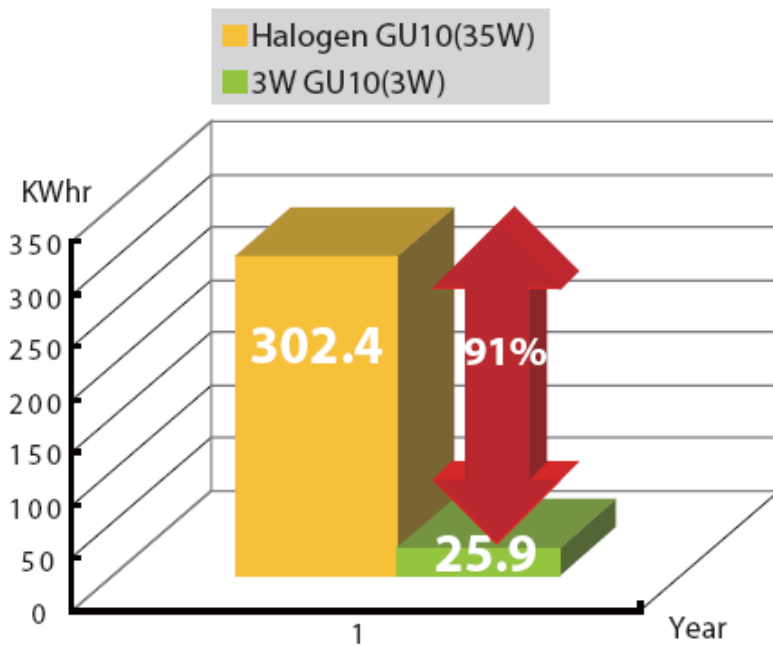


Figure 5: 3W MR16 Environmentally Friendly.

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

### Economical



Power Consumption:

35W

Expected Lifetime:

2,000 hrs



Power Consumption:

3W

Saving: 276.5 kWh / year

Expected Lifetime:

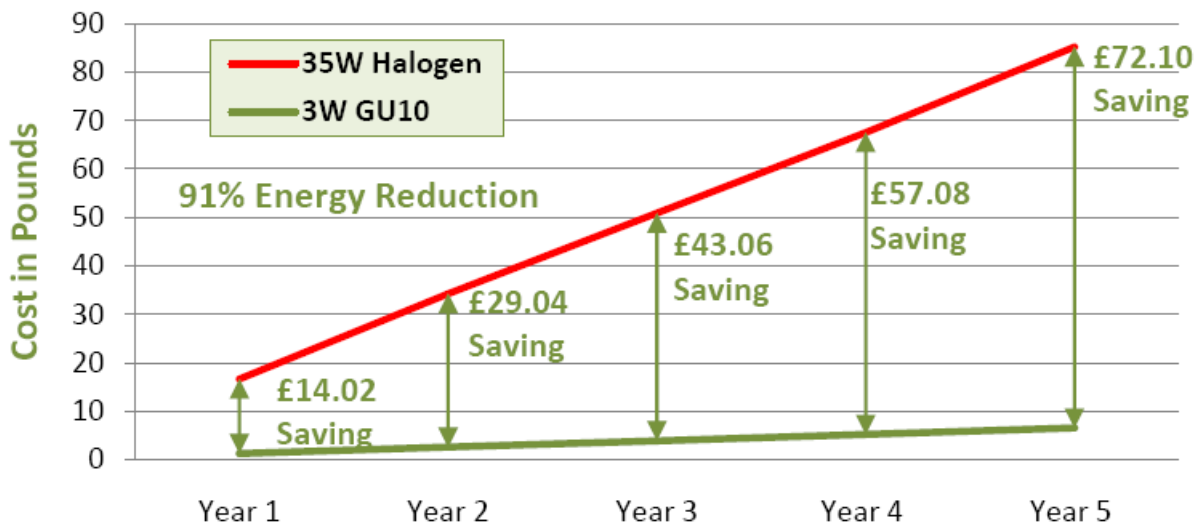
30,000 hrs



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### 3W LED GU10 Cost Saving per Unit



- Cost saving over 5 years at 10 hours daily use: **£72.10.**
- Factored electricity cost: £0.12 as per Energy Saving Trust
- £1 Halogen relamping cost / year factored into saving.

