

LED Directional

Dimmable GU10 4.5 Watt

DATA SHEET



Product information

This range provides a substantial energy saving and gives an effective replacement performance for 35W halogen while consuming only 4.5W of power.

Features & Benefits

- IEC-size
- Dimming range 10% ~ 100%
- Available in 2700K, 3000K and 4000K
- Lumen output of 170-180-200lm
- 25 degree and 35 degree beam angles
- Long life for reduced maintenance costs
- IR/UV-radiation free, Mercury free, Low heat emission

- EN55015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
- EN61547: Equipment for general lighting purposed EMC immunity requirements.
- EN61000-3-2: Limits for harmonic current emissions.
- EN61000-3-3: Limitation of voltage fluctuations and flicker in low voltage supply systems for equipment with rated current $\leq 16A$.

Application areas

LED GU10 dimmable lamps have massive energy savings versus traditional lamps. Coupled with long life, they are superb replacements where standard incandescent or halogen lamps are in use such as: accent, display and general lighting applications in a commercial, industrial or residential environments.

Standards

- IEC60357: Tungsten halogen lamps (non-vehicle) – Performance specifications.
- IEC62560: Self-ballasted LED lamp for general lighting services voltage 50~250V-safety specification.
- IEC62471: Photobiological safety of lamps and lamp systems.



GE imagination at work

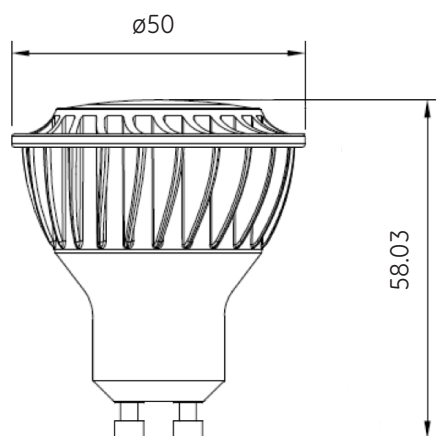
4.5W GU10 LED lamps have the following common features

- 220-240V with power factor of 0.5
- Complete range with CRI >80 and 6-step MacAdam colour consistency
- Efficiency up to 44lm/W
- Operating temperature: -20°C to +40°C

Specification summary

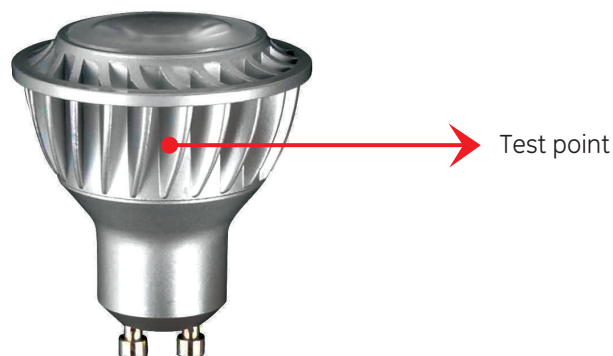
Wattage (W)	Base	Product Description	Candela (cd)	Lumen (lm)	Beam Angle (degree)	CCT (K)	Life hours L70/B10	Life hours B50	Efficiency (lm/W)	Power factor	CRI	Switch Cycles	Pack Qty	Product Code
4.5	GU10	LED4.5D/GU10/827/220-240V/FL/BX 1/8	500	170	25	2700	25,000	45,000	38	0.5	80	12,500	1/8	65775
4.5	GU10	LED4.5D/GU10/827/220-240V/WFL/BX 1/8	400	170	35	2700	25,000	45,000	38	0.5	80	12,500	1/8	97248
4.5	GU10	LED4.5D/GU10/830/220-240V/FL/BX 1/8	560	180	25	3000	25,000	45,000	40	0.5	80	12,500	1/8	65777
4.5	GU10	LED4.5D/GU10/830/220-240V/WFL/BX 1/8	450	180	35	3000	25,000	45,000	40	0.5	80	12,500	1/8	97266
4.5	GU10	LED4.5D/GU10/840/220-240V/FL/BX 1/8	610	200	25	4000	25,000	45,000	44	0.5	80	12,500	1/8	65780
4.5	GU10	LED4.5D/GU10/840/220-240V/WFL/BX 1/8	500	200	35	4000	25,000	45,000	44	0.5	80	12,500	1/8	97273

Dimensions



Maximum T_{hs} recommended

GU10 4.5W Dimmable (IEC-size) 95° C



Lumen maintenance at rated life

>70% lumen maintenance by 90% of lamps at 25,000 hours

Operation and maintenance

- Not for use in totally enclosed fixtures.
- Suitable for voltage fluctuations of +/- 10%.
- Switch off mains supply before installing/removing lamp.
- LED GU10 lamps are dimmable on most common leading edge dimmers, please contact local Sales agent for compatibility.
- Safe to use on Photo- & Timer-circuits, please contact local Sales agent for compatibility.
- Ambient temperature range -20° C to 40°C.