

Thermal Plastic LED G9

2.5W

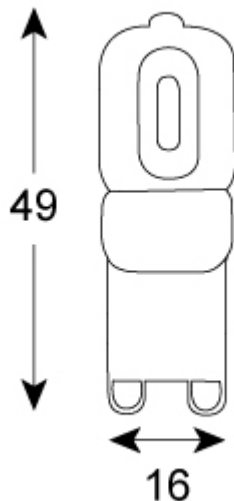
Features

- Extremely energy saving with low power consumption
- Ideal retrofit of traditional G9 with same appearance / performance / dimensions
- Overall light distribution
- Lamp weight <12g comply with IEC G9 requirement
- Universal burning position
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



Prosperity Lamps & Components Ltd.

Tel: (852) 2511 0022 Fax: (852) 2511 0082 Web: www.prosperitylamps.com Email: info@prosperitylamps.com

Standards



Applications



Technical Data	
Type of Light Source	
Lighting Technology Used	LED
Non-directional or Directional [NDLS/DLS]	NDLS
Mains or Non-mains [MLS/NMLS]	MLS
Connected Light Source	No
Color tunable light source	No
Envelop [No/Second/Non-Clear]	No
High Luminance Light Source	No
Anti-glare Shield	No
Electrical	
Rated Wattage [W]	2.5W
On-mode Power [W]	2.5W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.4
Input Current [mA] @230V	27
Model	
LED TP G9 2.5W	2.5W
Luminous Flux (Useful Luminous Flux) [lm]	
2.5W	220lm @3000K
	250lm @4000K
	270lm @6500K
Performance	
SCDM	<6
Chromaticity coordinates [x, y]	0.44,0.403@3000K / 0.37,0.38@4000K / 0.312,0.335@6500K
Efficacy [lm/W]	88-108
Color Rendering Index [Ra]	≥80

R9 colour rendering index value	2
Beam Angle [°]	360
Rated Life, Ta@25°C [hrs]	25,000
Lamp Survival Factor	0.9
Lumen Maintenance	0.96
Number of Switching Cycles Before Failure	>15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.5
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D [mm]	Φ16
Height H [mm]	49
Base	G9
Material	Thermal Plastic
Standard Compliance	
CE-LVD	EN62560
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	F
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Claim of Equivalent Power, 2.5W [W]	26W
Energy Consumption in on-mode [kWh/1000h]	3kWh