

Thermal Plastic LED Round

3W/4W/4.9W/7.5W

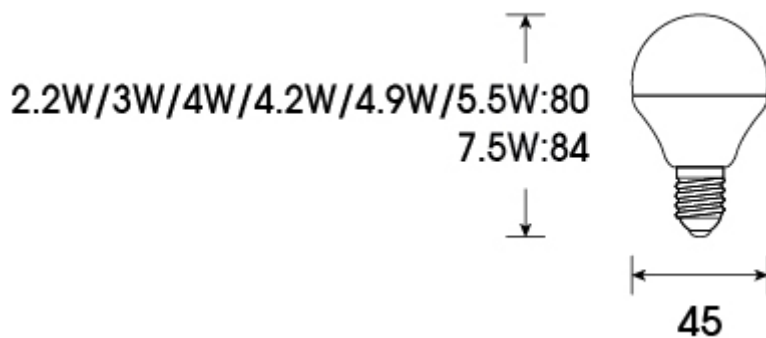
Features

- Extremely energy saving with low power consumption
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Excellent thermal conductivity
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



Standards



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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]	3W / 4W / 4.9W / 7.5W	
On-mode Power [W]	3W / 4W / 4.9W / 7.5W	
Standby Power [W]	N/A	
Networked Standby Power [W]	N/A	
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz	
Power Factor @230V	0.4 / 0.4 / 0.5 / 0.5	
Input Current [mA] @230V	33 / 43 / 43 / 65	
Model		
LED TP G45 SMD-3W	3W	
LED TP G45 SMD-4W	4W	
LED TP G45 SMD-4.9W	4.9W	
LED TP G45 SMD-7.5W	7.5W	
Luminous Flux (Useful Luminous Flux) [lm]		
3W	230lm @3000K	
	250lm @6500K	
4W	340lm @3000K	
	360lm @6500K	
4.9W	470lm @3000K	
	480lm @6500K	
7.5W	780lm @3000K	
	805lm @6500K	
Performance		
SCDM	<6	
Chromaticity coordinates [x, y]	0.44,0.403@3000K / 0.312,0.335@6500K	

Efficacy [lm/W]	77-107
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	180
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]	Φ45
Height H [mm]	80 (3W / 4W / 4.9W) / 84 (7.5W)
Base	E14 / B15d / E27 / B22d
Material	Aluminium + PC
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(4W, 4.9W, 7.5W) / G(3W)
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, 3W [W]	25W
Claim of Equivalent Power, 4W [W]	32W
Claim of Equivalent Power, 4.9W [W]	40W
Claim of Equivalent Power, 7.5W [W]	59W
Energy Consumption in on-mode [kWh/1000h]	3kWh / 4kWh / 5kWh / 8kWh