

DIM Thermal Plastic LED Round

5.5W/7.5W

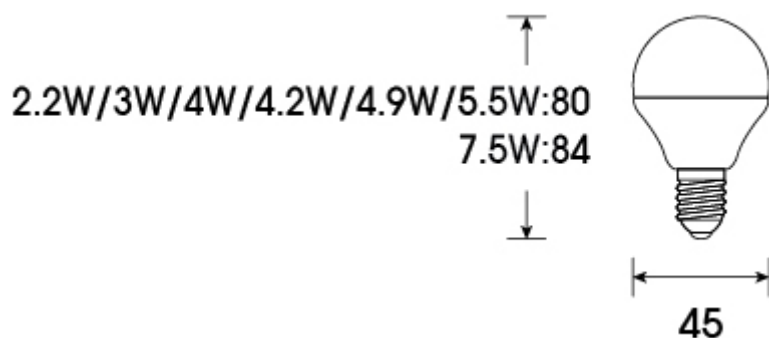
Features

- 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



Prosperity Lamps & Components Ltd.

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Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant

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]	5.5W / 7.5W
On-mode Power [W]	5.5W / 7.5W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.75 / 0.7
Input Current [mA] @230V	32 / 47

Model

LED TP G45 SMD-5.5W DIM	5.5W
LED TP G45 SMD-7.5W DIM	7.5W

Luminous Flux (Useful Luminous Flux) [lm]

5.5W	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]	85-107
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

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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 / 84
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
Other	
Dimmable [Yes/Only with specific dimmers/No]	Yes
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Claim of Equivalent Power, 5.5W [W]	40W
Claim of Equivalent Power, 7.5W [W]	59W
Energy Consumption in on-mode [kWh/1000h]	6kWh / 8kWh