

# Smart Thermal Plastic LED Round

## 4.9W

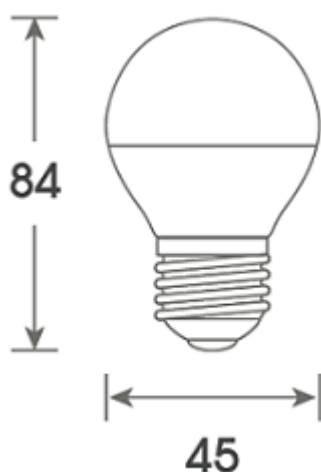
### Features

- Extremely energy saving with low power consumption
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Vivid and multiple color changing with over 16 million colors
- Work with both mobile and most common smart home devices via Amazon Alexa, Google Home Assistant and Apple HomeKit
- Control in a group or individually and customize your own lighting preferences
- Customize timer schedule to optimize energy efficiency
- Remote control the lamps from anywhere and anytime
- Tunable White from 2700K to 6500K
- Support Matter protocol
- Smooth dimming range from 1% to 100%
- Good color rendition,  $Ra \geq 80$



### Diagrams

#### Dimensions:



Prosperity Lamps & Components Ltd.

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## Smart Control:



## Standards



## Applications



Home



Office



Shopping mall



Hotel



Supermarket

## 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	Yes
Color tunable light source	Yes
Envelop [No/Second/Non-Clear]	No
High Luminance Light Source	No
Anti-glare Shield	No

## Electrical

Rated Wattage [W]	4.9W
On-mode Power [W]	4.9W
Standby Power [W]	0.5W
Networked Standby Power [W]	0.5W
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.5
Input Current [mA] @230V	43

## Model

LED-SMT TP G45 4.9W TW DIM	4.9W
LED-SMT TP G45 4.9W RGBTW DIM	4.9W

## Luminous Flux (Useful Luminous Flux) [lm]

4.9W	470lm
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Performance	
SDCM	<6
Chromaticity coordinates [x, y]	0.463, 0.42@2700K / 0.312, 0.335@6500K
Efficacy [lm/W]	96
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	180
Rated Life, Ta@25°C [hrs]	15,000
Lamp Survival Factor	0.9
Lumen Maintenance	0.93
Number of Switching Cycles Before Failure	>7,500
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]	84
Base	E27 / B22d
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 [Y/N]	Y
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Claim of Equivalent Power, 4.9W [W]	40W
Energy Consumption in on-mode [kWh/1000h]	5kWh