

DIM LED COB PAR36/ES111

6W/8W/10W

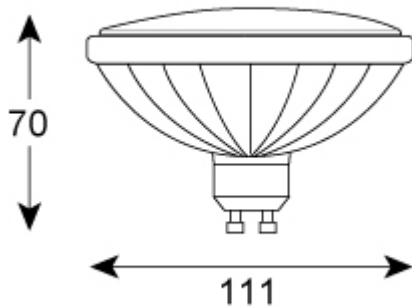
Features

- Extremely energy saving with low power consumption
- Step dimming option with 100%, 50% and 25% adjustable lumen output
- Ideal retrofit of PAR36/ES111 halogen lighting, same glass body finishing and identical size
- No mercury and hazardous substances
- Good color rendition, Ra ≥ 80



Diagrams

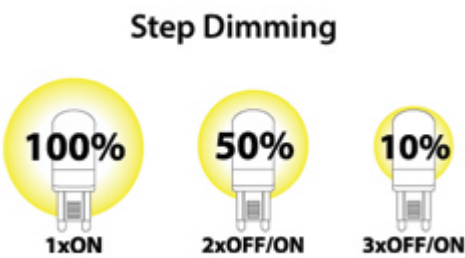
Dimensions:



Prosperity Lamps & Components Ltd.

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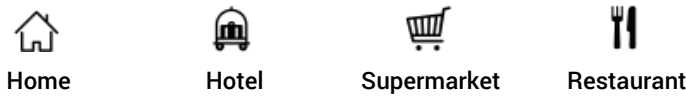
Step Dimming:



Standards



Applications



Technical Data	
Type of Light Source	
Lighting Technology Used	LED
Non-directional or Directional [NDLS/DLS]	DLS
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]	6W / 8W / 10W
On-mode Power [W]	6W / 8W / 10W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.5

Input Current [mA] @230V	52 / 70 / 87
LED	COB
Model	
LED PAR36/ES111 COB-6W DIM	6W
LED PAR36/ES111 COB-6W STEP-DIM	6W
LED PAR36/ES111 COB-8W STEP-DIM	8W
LED PAR36/ES111 COB-10W STEP-DIM	10W
Luminous Flux (Useful Luminous Flux) [lm]	
6W	400lm (340lm) @3000K
	420lm (350lm) @4000K
	440lm (360lm) @6500K
8W	600lm (510lm) @3000K
	620lm (520lm) @4000K
	640lm (540lm) @6500K
10W	750lm (730lm) @3000K
	780lm (760lm) @4000K
	800lm (780lm) @6500K
Peak Luminous Intensity [cd]	
6W 30°	1131@3000K / 1141@4000K / 1151@6500K
8W 30°	1190@3000K / 1200@4000K / 1210@6500K
10W 30°	1228@3000K / 1238@4000K / 1248@6500K
6W 60°	1161@3000K / 1171@4000K / 1181@6500K
8W 60°	1250@3000K / 1260@4000K / 1270@6500K
10W 60°	1288@3000K / 1298@4000K / 1308@6500K
Performance	
SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.38,0.38@4000K / 0.312, 0.335@6500K
Efficacy [lm/W]	57-69
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	30 / 60
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]	Φ111
Height H [mm]	70

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Base	GU10
Material	Glass with special IR dichroic coating
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	G(6W) / F(8W, 10W)
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, 6W [W]	52W
Claim of Equivalent Power, 8W [W]	74W
Claim of Equivalent Power, 10W [W]	93W
Energy Consumption in on-mode [kWh/1000h]	6kWh / 8kWh / 10kWh