

Dimmable LED COB PAR36/ES111

12W

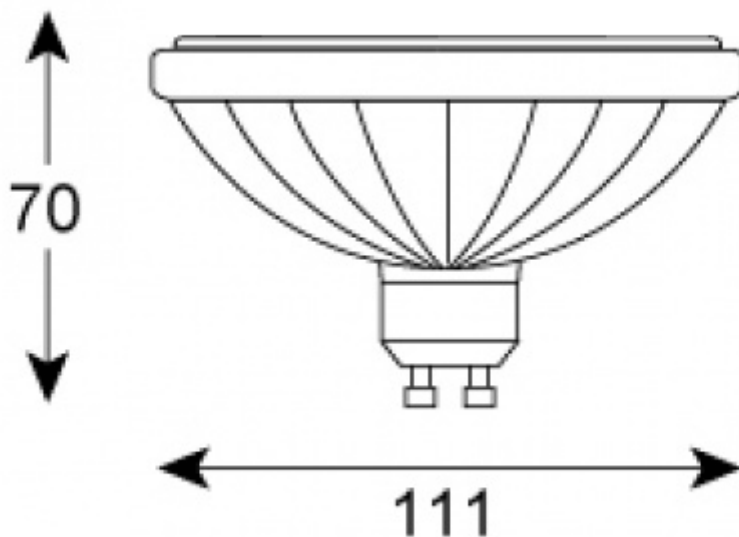
Features

- Extremely energy saving with low power consumption
- 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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Standards



Applications



Home



Hotel



Supermarket

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]	12W
On-mode Power [W]	12W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor	0.85
Input Current [mA] @230V	61
LED	COB

Model

LED PAR36/ES111 COB-12W 25°	12W
LED PAR36/ES111 COB-12W 40°	12W

Luminous Flux 360° / Useful Luminous Flux 90° [lm]

12W 25° @3000K	900 / 750
12W 40° @3000K	935 / 800

Peak Luminous Intensity [cd]

12W 25°	3400
12W 40°	2000

Performance

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SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K
Efficacy [lm/W]	88
Color Rendering Index [Ra]	>80
R9 colour rendering index value	6
Beam Angle [°]	25 / 40
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]	0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D [mm]	Φ111
Height H [mm]	70
Material	Thermal Plastic
Standard Compliance	
CE-LVD	EN62560
CE-LVD	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMC	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
Energy Consumption in on-mode [kWh/1000h]	12kWh