

Dimmable LED COB PAR20/PAR30/PAR38

7W/10W/13W/15W/18W

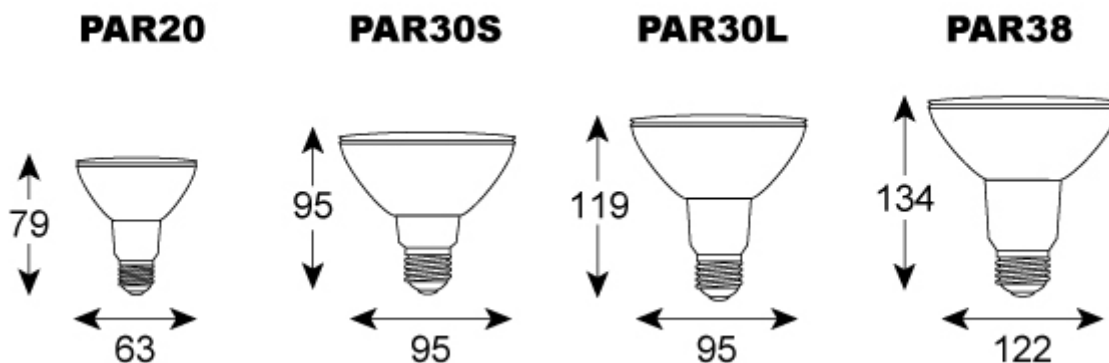
Features

- Extremely energy saving with low power consumption
- Ideal retrofit of traditional lamps and halogen lamps
- Aluminium housing for effective thermal conduction
- Compatible with common dimmer switches and systems
- No mercury and hazardous substances
- Good color rendition, Ra ≥80



Diagrams

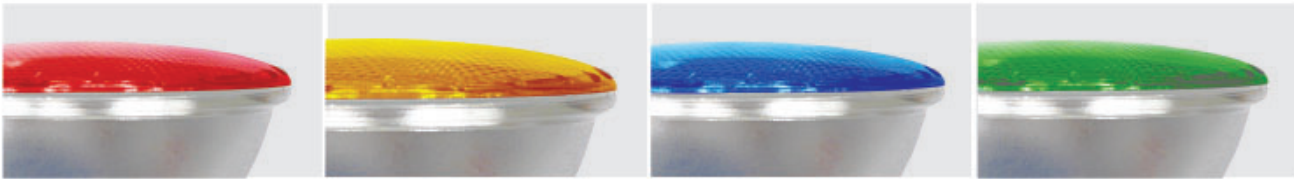
Dimensions:



Prosperity Lamps & Components Ltd.

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Color Lens:



Standards



Applications



Technical Data	
Electrical	
Rated Wattage [W]	7W / 10W / 13W / 15W / 18W
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.5 / 0.85 / 0.85 / 0.85 / 0.9
Input Current [mA] @230V	61 / 51 / 66 / 77 / 87
LED	COB
Model	
LED PAR20 COB-7W DIM	7W
LED PAR30S COB-10W DIM	10W
LED PAR30S COB-13W DIM	13W
LED PAR30L COB-10W DIM	10W
LED PAR30L COB-13W DIM	13W
LED PAR38 COB-15W DIM	15W
LED PAR38 COB-18W DIM	18W
Luminous Flux (Useful Luminous Flux) [lm]	
7W	500lm (440lm) @3000K
	515lm (460lm) @4000K

	530lm (470lm) @6500K
10W	800lm (710lm) @3000K
	820lm (730lm) @4000K
	840lm (740lm) @6500K
13W	1000lm (890lm) @3000K
	1030lm (920lm) @4000K
	1050lm (930lm) @6500K
15W	1200lm (1060lm) @3000K
	1250lm (1110lm) @4000K
	1300lm (1150lm) @6500K
18W	1400lm (1240lm) @3000K
	1450lm (1290lm) @4000K
	1500lm (1330lm) @6500K
Performance	
SDCM	<6
Efficacy [lm/W]	63-77
Color Rendering Index [Ra]	≥80
Beam Angle [°]	25 / 40 / 60
Rated Life, Ta@25°C [hrs]	25,000
Lamp Survival Factor at 6000hrs	>0.9
Lumen Maintenance at 6000hrs	>0.8
Number of Switching Cycles Before Failure	>15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Mechanical	
Diameter D [mm]	Φ63 (PAR20)
	Φ95 (PAR30S / PAR30L)
	Φ122 (PAR38)
Height H [mm]	79 (PAR20)
	95 (PAR30S)
	119 (PAR30L)
	134 (PAR38)
Base	E27
Material	Aluminium reflector, Glass front lens, Thermal plastic driver housing
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	A+
Other	

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Dimmable [Y/N]	Y
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C