

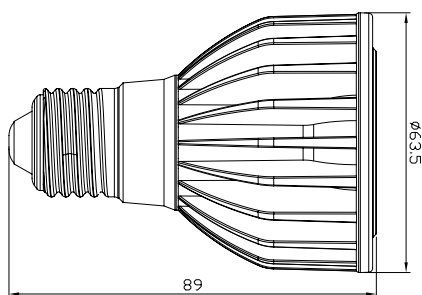
Product Description

- 520lm light output
- Replacing 50W halogen lamps
- Consumes 8W only and saves at least 80% energy
- 25,000hrs long lifetime, last 20 times longer than halogen lamp
- Extremely even light distribution
- Limited 5 years warranty (find details on our website)
- cUL, CE listed, FCC, RoHS compliant
- Excellent dimmable to 10%
- Ideal for spot lights, track lights, down lights, display applications

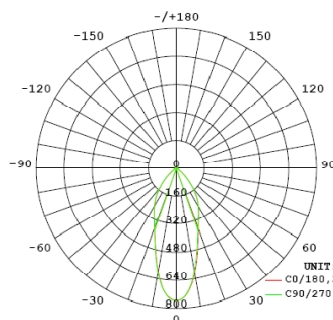


Optical Parameter (shows 2700k 40° PAR20 as default)

Product Dimension

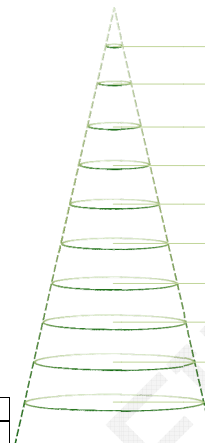


Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax):	38.7	38.5	38.5	38.8	38.6
Field Angle (10% Imax):	95.3	95.2	95.5	95.5	95.4

Illuminance at a Distance



Height (m)	Diameter (cm)	E _{avg} (lx)	E _{max} (lx)
0.5	35.0	1880.0	3030.0
1.0	70.0	470.0	757.6
1.5	105.1	208.9	336.7
2.0	140.1	117.5	189.4
2.5	175.1	75.2	121.2
3.0	210.1	52.2	84.2
3.5	245.1	38.4	61.9
4.0	280.2	29.4	47.4
4.5	315.2	23.2	37.4
5.0	350.2	18.8	30.3

Product Details

Ordering Code	Input Voltage(VAC)	Lamp Shape	Base Type	Wattage (W)	CCT	Beam Angle	Initial Lumens(lm)	Rated Life(hrs.)	CRI	Power Factor	Equivalency	Certificate
P20B8D402	120/230	PAR20	E26	8W	2700	25/40	500	25,000	80	0.95	50W	UL,CE,RoHS
P20B8D403	120/230	PAR20	E26	8W	3000	25/40	600	25,000	80	0.95	50W	UL,CE,RoHS
P20B8D404	120/230	PAR20	E26	8W	4000	25/40	570	25,000	80	0.95	50W	UL,CE,RoHS
P20B8D405	120/230	PAR20	E26	8W	5000	25/40	600	25,000	80	0.95	50W	UL,CE,RoHS

Energy Efficiency

	Estimated Lighting Costs Using a Standard 50W Halogen PAR20	Estimated Lighting Costs Using a Yigeda LED 8W PAR20
Present Wattage	50W	8W
x Annual Operating Hours	3650 hrs	3650 hrs
	= 182,500 Watts per year	= 29,200 Watts per year
÷ 1,000	= 182.5 kWh per year	= 29.2 kWh per year
× kWh rate (\$0.10)	= \$18.25 per year	= \$3 per year
× 100 lamps per space	= \$1,825 annual energy cost per space	= \$292 annual energy cost per space
Total Estimated Annual Energy Cost Saving Per Year	= \$1533	

This energy saving example shows an application of 100 lamps in a space currently using a 50W halogen PAR20 and Yigeda 8W PAR20, operating 3,650 hours per year (10 hours per day) at a cost of \$0.10 per kWh.