Yigeda Lighting Ltd.

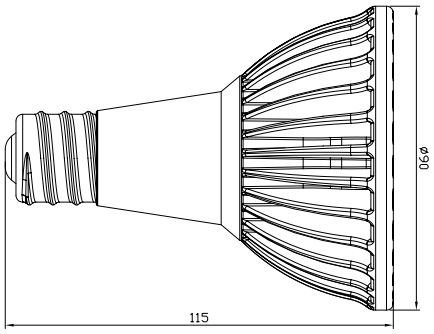
LED 13W PAR30

Product Description

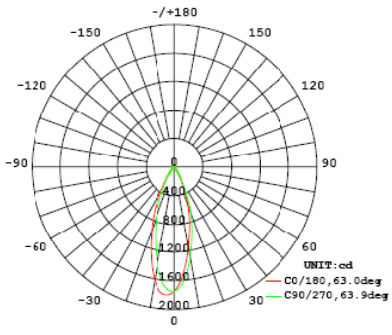
- 800lm light output
- Replacing 75W halogen lamps
- Consumes 13W only and saves at least 80% energy
- 25,000hrs long lifetime, last 20 times longer than halogen lamp
- Extremely even light distribution
- Limited 5 years warranty (find details on our website)
- cUL, CE listed, FCC, RoHS compliant
- Excellent dimmable to 10%
- Ideal for spot lights, track lights, down lights, display applications

Optical Parameter (shows 2700k 40° PAR30 as default)

Product Dimension

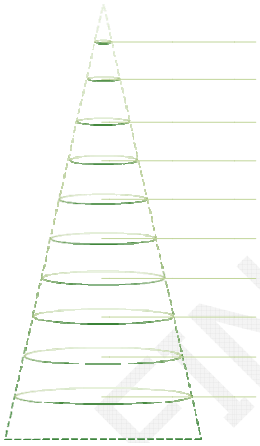


Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax):	34.5	34.6	34.2	33.9	34.3
Field Angle (10% Imax):	63.0	63.7	63.9	62.8	63.4

Illuminance at a Distance



Height (m)	Diameter (cm)	E_{avg}(lx)	E_{max}(lx)
0.5	30.9	4517.00	7219.00
1.0	61.7	1129.00	1805.00
1.5	92.6	501.90	802.11
2.0	123.4	282.30	451.20
2.5	154.3	180.70	288.70
3.0	185.2	125.50	200.50
3.5	216.0	92.18	147.30
4.0	246.9	70.58	112.80
4.5	277.7	55.76	89.12
5.0	308.6	45.17	72.19

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
P30B13D402	120/230	PAR30	E26	13W	2700	25/40	760	25,000	80	0.95	75W	UL,CE,RoHS
P30B13D403	120/230	PAR30	E26	13W	3000	25/40	800	25,000	80	0.95	75W	UL,CE,RoHS
P30B13D404	120/230	PAR30	E26	13W	4000	25/40	850	25,000	80	0.95	75W	UL,CE,RoHS
P30B13D405	120/230	PAR30	E26	13W	5000	25/40	900	25,000	80	0.95	75W	UL,CE,RoHS

Energy Efficiency

	Estimated Lighting Costs Using a Standard 75W Halogen PAR30	Estimated Lighting Costs Using a Yigeda LED 13W PAR30
Present Wattage	75W	13W
x Annual Operating Hours	3650 hrs	3650 hrs
	= 273,750 Watts per year	= 47,450 Watts per year
÷ 1,000	= 273.5 kWh per year	= 47.45 kWh per year
× kWh rate ($0.10)	= $27 per year	= $5 per year
× 100 lamps per space	= $2,738 annual energy cost per space	= $475 annual energy cost per space
Total Estimated Annual Energy Cost Saving Per Year	**= $2,263**	

This energy saving example shows an application of 100 lamps in a space currently using a 75W halogen PAR30 and Yigeda 13W PAR30, operating 3,650 hours per year (10 hours per day) at a cost of $0.10 per kWh.

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