

Project Name:	Type:
Part Number:	Date:

REFINE PAR FAMILY

FEATURES

- Suitable to replace 50W, 75W, 120W halogen lamps
- Powered by TRUE CHROMA: delivers best in class color accuracy and consistency
- Proprietary designed optic maximizes output, efficacy, color fidelity, and visual comfort
- High CRI and R values (R9 85, R13 95) deliver richer reds and healthier skin tones
- Smooth dimming with existing dimmers*
- Compact size 1:1 halogen form factor
- Spot, Narrow, Flood beam angles
- Suitable for damp locations and totally enclosed fixtures
- Fixture operating temperature: -4°F to 95°F (-20°C to 35°C)
- Lamp ambient temperature: -4°F to 113°F (-20°C to 45°C)
- Rated Lifetime (L70): 50,000hrs
- 5 year limited warranty**



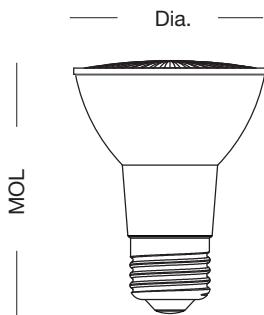
122424



SPECIFICATIONS

Product	Model	Equiv.	Wattage (W)	CCT	Lumens	Efficacy (LPW)	Input Voltage	Beam Angle	CBCP (cd)	CRI	Dim.*	Power Factor	Base	Fixture Rating	TRUE CHROMA	JA8	T20
34897	6.5PAR20DIM/930FL40/B	50W	6.5	3000K	580	89	120V	40°	1,200	95	Yes	0.9	E26	Enclosed		✓	✓
34902	11PAR30DIM/930NF25	75W	11	3000K	990	90	120V	25°	4,700	95	Yes	0.9	E26	Enclosed		✓	✓
34911	11PAR30SDIM/930FL40	75W	11	3000K	990	90	120V	40°	1,750	95	Yes	0.9	E26	Enclosed		✓	✓
34916	15.5PAR38DIM/927SP15	120W	15.5	2700K	1,320	85	120V	15°	14,000	95	Yes	0.9	E26	Enclosed		✓	✓
34919	15.5PAR38DIM/930SP15	120W	15.5	3000K	1,370	88	120V	15°	14,700	95	Yes	0.9	E26	Enclosed		✓	✓
34921	15.5PAR38DIM/930FL40	120W	15.5	3000K	1,370	88	120V	40°	2,900	95	Yes	0.9	E26	Enclosed		✓	✓
34925	15.5PAR38DIM/930FL40/GU24	120W	15.5	3000K	1,370	88	120V	40°	2,900	95	Yes	0.9	GU24	Enclosed		✓	✓
34914	11PAR30/930FL40/277V	75W	11	3000K	990	90	120-277V	40°	1,750	95	No	0.9	E26	Enclosed		N.A.	✓

DIMENSIONS & WEIGHT

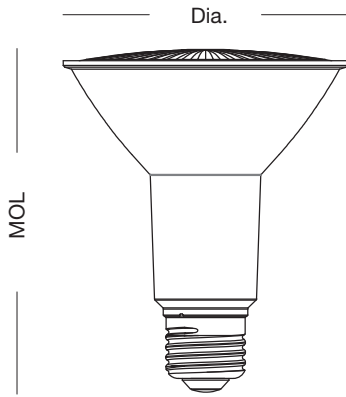


Model	Base	MOL	Dia.	Weight
6.5PAR20DIM/xxxxyyy	E26	3-1/4"	2-1/2"	0.18lb
6.5PAR20DIM/930FL40/B	E26	3-1/4"	2-1/2"	0.18lb

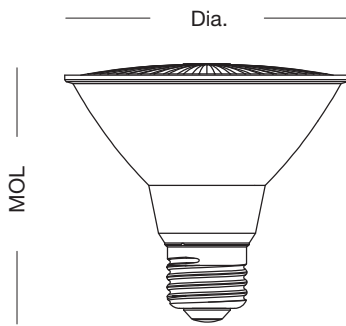


REFINE PAR FAMILY

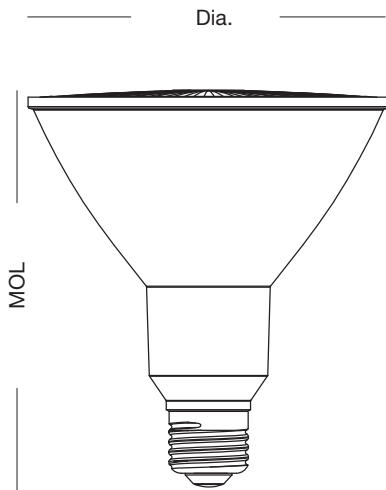
DIMENSIONS & WEIGHT



Model	Base	MOL	Dia.	Weight
11PAR30DIM/xxxxxxx	E26	4-7/16"	3-11/16"	0.31lb
11PAR30/xxxxxxx/277V	E26	4-7/16"	3-11/16"	0.31lb



Model	Base	MOL	Dia.	Weight
11PARSNDIM/xxxxxxx	E26	3-1/4"	3-11/16"	0.3lb



Model	Base	MOL	Dia.	Weight
15.5PAR38DIM/xxxxxxx	E26	5-1/8"	4-5/8"	0.52lb
15.5PAR38DIM/930NF25/B	E26	5-1/8"	4-5/8"	0.52lb
15.5PAR38DIM/930FL40/GU24	GU24	5-1/8"	4-5/8"	0.52lb

MINIMUM COMPARTMENT DIMENSIONS

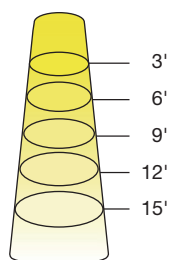
Enclosed Fixture	Diameter	Height
	6"	8-1/2"



REFINE PAR FAMILY

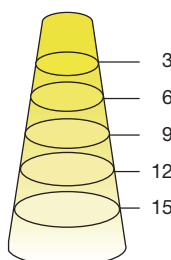
ILLUMINANCE & CANDELA DISTRIBUTION

6.5PAR20DIM/930SP15



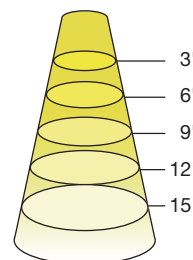
Diameter	Footcandles
0.8	589
1.6	147
2.4	65
3.2	37
3.9	24

6.5PAR20DIM/930NF25

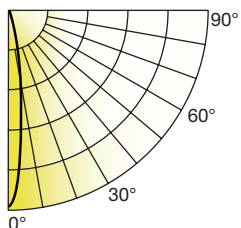


Diameter	Footcandles
1.3	211
2.7	53
4.0	23
5.3	13
6.7	8

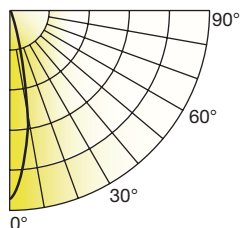
6.5PAR20DIM/930FL40



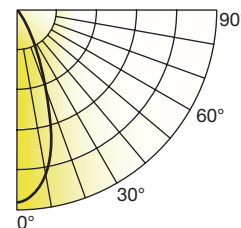
Diameter	Footcandles
2.2	133
4.4	33
6.6	15
8.7	8
10.9	5



Degree	Candela
0	5300
5	3488
15	564
25	170
35	74
45	40

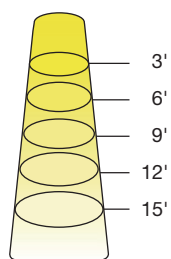


Degree	Candela
0	1900
5	1589
15	638
25	219
35	94
45	51



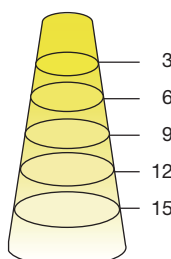
Degree	Candela
0	1200
5	1100
15	725
25	365
35	174
45	76

11PAR30DIM/930SP15



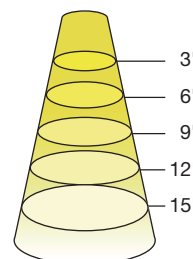
Diameter	Footcandles
0.8	1,178
1.6	294
2.4	131
3.2	74
3.9	47

11PAR30DIM/930NF25

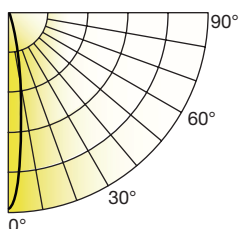


Diameter	Footcandles
1.3	522
2.7	131
4.0	58
5.3	33
6.7	21

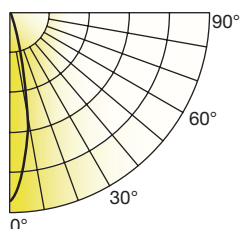
11PAR30DIM/930FL40



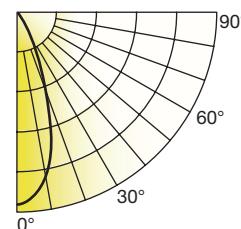
Diameter	Footcandles
2.2	194
4.4	49
6.6	22
8.7	12
10.9	8



Degree	Candela
0	10,600
5	7,008
15	958
25	174
35	102
45	68



Degree	Candela
0	4,700
5	3,841
15	1,157
25	213
35	81
45	56



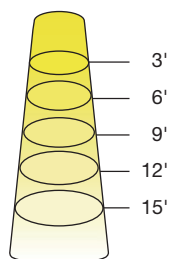
Degree	Candela
0	1,750
5	1,636
15	991
25	592
35	217
45	64



REFINE PAR FAMILY

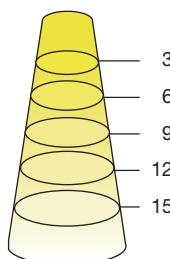
ILLUMINANCE & CANDELA DISTRIBUTION

11PAR30SNDIM/930SP15



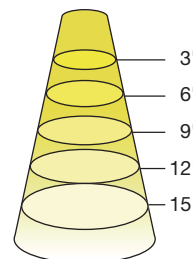
Diameter	Footcandles
0.8	1,178
1.6	294
2.4	131
3.2	74
3.9	47

11PAR30SNDIM/930NF25

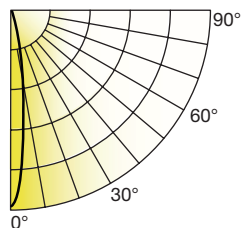


Diameter	Footcandles
1.3	522
2.7	131
4.0	58
5.3	33
6.7	21

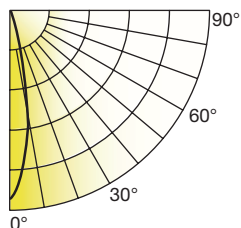
11PAR30SNDIM/930FL40



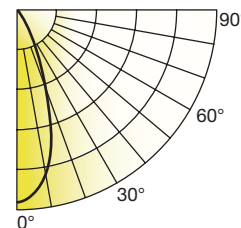
Diameter	Footcandles
2.2	194
4.4	49
6.6	22
8.7	12
10.9	8



Degree	Candela
0	10,600
5	7,008
15	958
25	174
35	102
45	68

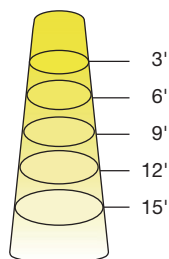


Degree	Candela
0	4,700
5	3,841
15	1,157
25	213
35	81
45	56



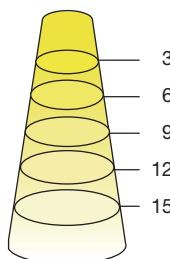
Degree	Candela
0	1,750
5	1,636
15	991
25	592
35	217
45	64

15.5PAR38DIM/930SP15



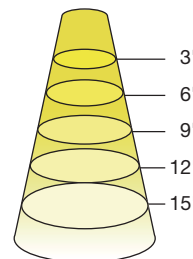
Diameter	Footcandles
0.8	1,633
1.6	408
2.4	181
3.2	102
3.9	65

15.5PAR38DIM/930NF25

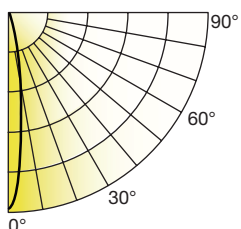


Diameter	Footcandles
1.3	778
2.7	194
4.0	86
5.3	49
6.7	31

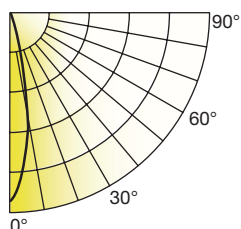
15.5PAR38DIM/930FL40



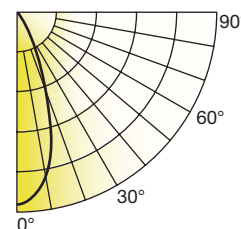
Diameter	Footcandles
2.2	322
4.4	81
6.6	36
8.7	20
10.9	13



Degree	Candela
0	14,700
5	9,095
15	1,435
25	256
35	93
45	58



Degree	Candela
0	7,000
5	6,095
15	1,658
25	408
35	137
45	64



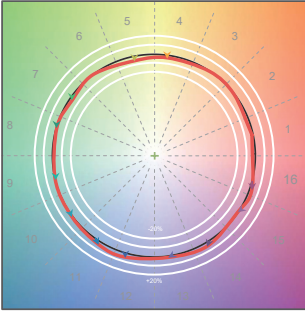
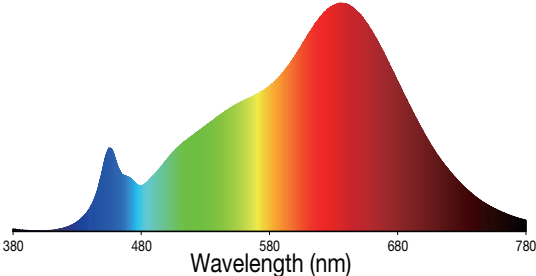
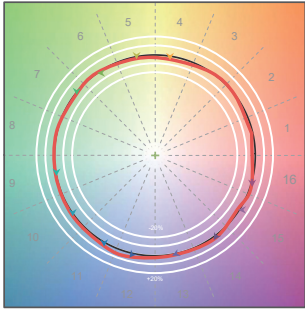
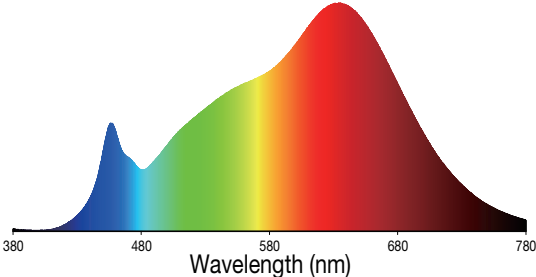
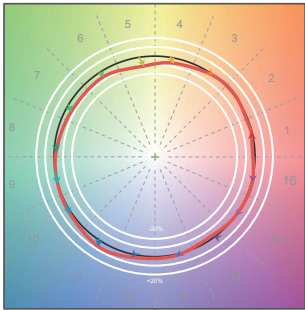
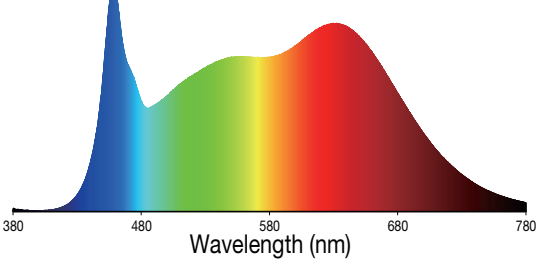
Degree	Candela
0	2,900
5	2,845
15	1,813
25	929
35	300
45	78

For other CCT use the following multiplier: 2700K .98, 4000K 1.02



REFINE PAR FAMILY

COLOR ACCURACY & SPECTRAL POWER DISTRIBUTION

CCT	COLOR ACCURACY	SPECTRAL POWER DISTRIBUTION
2700K	 <p>Rr: 95, Rg: 100</p>	 <p>Wavelength (nm)</p>
3000K	 <p>Rr: 94, Rg: 99</p>	 <p>Wavelength (nm)</p>
4000K	 <p>Rr: 90, Rg: 97</p>	 <p>Wavelength (nm)</p>

Rf: TM-30 metric measuring color fidelity (whether colors are similar to those under natural light). Rf is a more accurate version of the CRI Ra. Rf is 100 for natural light.

Rg: TM-30 metric measuring color gamut (whether colors are more saturated than under natural light). Rg is 100 for natural light.



REFINE PAR FAMILY

ORDERING INFORMATION

Model	Master Carton			Shipping Carton		
	Case Qty	Case Dimensions (LxWxH)	Case Weight	Case Qty	Case Dimensions (LxWxH)	Case Weight
6.5PAR20DIM/xxxxyy	6	8-3/16" x 5-1/2" x 3-15/16"	1.54lb	24	11-7/16" x 8-3/4" x 8-7/8"	6.83lb
6.5PAR20DIM/930FL40/B	6	8-3/16" x 5-1/2" x 3-15/16"	1.54lb	24	11-7/16" x 8-3/4" x 8-7/8"	6.83lb
11PAR30DIM/927SP15	6	11-15/16" x 8-1/8" x 5-3/8"	2.65lb	24	16-7/16" x 12-1/4" x 11-13/16"	12.35lb
11PAR30DIM/930FL40/B	6	11-15/16" x 8-1/8" x 5-3/8"	2.65lb	24	16-7/16" x 12-1/4" x 11-13/16"	12.35lb
11PAR30SDIM/927SP15	6	11-15/16" x 8-1/8" x 5-3/8"	1.98lb	24	16-3/8" x 12-1/2" x 9-11/16"	11.46lb
11PAR30SDIM/930FL40/B	6	11-15/16" x 8-1/8" x 5-3/8"	1.98lb	24	16-3/8" x 12-1/2" x 9-11/16"	11.46lb
11PAR30/930FL40/277V	6	11-15/16" x 8-1/8" x 5-3/8"	2.65lb	24	16-7/16" x 12-1/4" x 11-13/16"	12.35lb
15.5PAR38DIM/927SP15	6	14-15/16" x 10-1/16" x 6-1/4"	4.41lb	24	20-7/16" x 15-7/16" x 13-5/8"	19.62lb
15.5PAR38DIM/xxxxyy/B	6	14-15/16" x 10-1/16" x 6-1/4"	4.41lb	24	20-7/16" x 15-7/16" x 13-5/8"	19.62lb
15.5PAR38DIM/xxxxyy/GU24	6	14-15/16" x 10-1/16" x 6-1/4"	4.41lb	24	20-7/16" x 15-7/16" x 13-5/8"	19.62lb
15.5PAR38/xxxxyy/277V	6	14-15/16" x 10-1/16" x 6-1/4"	4.41lb	24	20-7/16" x 15-7/16" x 13-5/8"	19.62lb
11PAR30SDIM/xxxxyy/B	6	11-15/16" x 8-1/8" x 9-3/8"	1.98lb	24	16-3/8" x 12-1/2" x 9-11/16"	11.46lb

Where xxx means 824-965 which indicates CRI and color temperature

Where yyyy means beam angle

Note: All rights reserved. All sizes and specifications are subject to change at any time without notice.