

CCT-Adjustable PAR Lamps



PROJECT:

DATE:

TYPE:

PREPARED BY:



PAR20, PAR30S/L, PAR38 with High-Output Options



KEY FEATURES

- Adjustable CCT 2700/3000/3500/4000/5000K
- Replacement for incandescent/halogen PAR Lamps
- Rated for use in enclosed fixtures in dry, damp, or wet locations
- 90+CRI provides high-quality color rendering
- Dimmable down to 10% on compatible TRIAC/ELV systems.

PERFORMANCE

Catalog Number	Shape	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Beam Angle	Color Temperature	L70 Lifespan
PAR20FA-5.5-9CCT-25D-DIM	PAR20	50W	5.5W	500 lm	90 lm/W	25°	5 Color selectable 2700/3000/3500 /4000/5000K	25,000 hrs
PAR20FA-5.5-9CCT-40D-DIM						40°		
PAR30SFA-11-9CCT-25D-DIM	PAR30S	75W	11W	1000 lm	90 lm/W	25°		
PAR30SFA-11-9CCT-40D-DIM						40°		
PAR30LFA-11-9CCT-25D-DIM	PAR30L	75W	11W	1000 lm	90 lm/W	25°		
PAR30LFA-11-9CCT-40D-DIM						40°		
PAR30LFA-15-9CCT-40D-DIM		150W	15W	1800 lm	120 lm/W	40°		
PAR38FA-13.5-9CCT-25D-DIM	PAR38	90W	13.3W	1200 lm	90 lm/W	25°		
PAR38FA-13.5-9CCT-40D-DIM						40°		
PAR38FA-15.5-9CCT-40D-DIM		100W	15.5W	1400 lm	90 lm/W	40°		
PAR38FA-21-9CCT-40D-DIM		250W	21W	3000 lm	142 lm/W	40°		

PHOTOMETRIC

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumen (lm)	Efficacy (lm/w)
PAR20FA-5.5-9CCT-25D-DIM	5.5	2,700	478	87.1
	5.5	3,000	502	91.0
	5.5	3,500	524	94.8
	5.5	4,000	542	97.8
	5.5	5,000	558	100.6
PAR20FA-5.5-9CCT-40D-DIM	5.6	2,700	487	87.6
	5.6	3,000	508	90.9
	5.6	3,500	532	94.7
	5.6	4,000	551	97.9
	5.6	5,000	565	100.5
PAR30SFA-11-9CCT-25D-DIM	11.1	2,700	1,080	97.5
	11.2	3,000	1,120	100.3
	11.2	3,500	1,155	103.4
	11.2	4,000	1,179	105.5
	11.1	5,000	1,200	108.0
PAR30SFA-11-9CCT-40D-DIM	11.1	2,700	1,043	94.2
	11.1	3,000	1,084	97.3
	11.2	3,500	1,118	100.3
	11.2	4,000	1,142	102.4
	11.1	5,000	1,164	104.9
PAR30LFA-11-9CCT-25D-DIM	11.0	2,700	1,050	95.6
	11.1	3,000	1,064	95.5
	11.2	3,500	1,084	96.9
	11.2	4,000	1,098	98.4
	11.0	5,000	1,121	101.8
PAR30LFA-11-9CCT-40D-DIM	11.3	2,700	1,011	89.6
	11.4	3,000	1,068	93.3
	11.4	3,500	1,104	96.5
	11.4	4,000	1,138	99.4
	11.4	5,000	1,164	102.3
PAR30LFA-15-9CCT-40D-DIM	13.9	2,700	1,801	129.8
	13.8	3,000	1,805	130.6
	13.8	3,500	1,812	130.9
	13.9	4,000	1,807	130.4
	13.9	5,000	1,797	129.6
PAR38FA-13.5-9CCT-25D-DIM	12.9	2700	1281	99.0
	13.0	3000	1329	102.4
	13.0	3500	1373	105.6
	13.0	4000	1407	108.2
	13.0	5000	1434	110.5

PHOTOMETRIC (CONT'D)

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumen (lm)	Efficacy (lm/w)
PAR38FA-13.5-9CCT-40D-DIM	13.1	2700	1262	96.6
	13.1	3000	1320	100.5
	13.2	3500	1370	104.0
	13.2	4000	1420	107.5
	13.2	5000	1466	110.8
PAR38FA-15.5-9CCT-40D-DIM	15.2	2700	1487	98.0
	15.2	3000	1533	100.7
	15.2	3500	1583	103.9
	15.2	4000	1627	106.7
	15.2	5000	1652	108.7
PAR38FA-21-9CCT-40D-DIM	19.6	2700	2863	146.4
	19.7	3000	2862	145.1
	19.7	3500	2875	146.0
	19.7	4000	2875	145.9
	19.7	5000	2875	146.2

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type

Field-adjustable PAR

Size

Compact size equivalent to halogen form factors

Shape

PAR20, PAR30S/L, PAR38

Lamp Material

Plastic housing

Lamp Finish

White

Lens Construction

Single optic and full face lens for precise beam angle control

ANSI Base Type

E26 Edison

ELECTRICAL

Dimmable

Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems.

(See *Dimmer Compatibility List*)

Input Voltage

120V

Operating Frequency

60Hz

Operating Temperature

-4°F to 113°F (-20°C to 45°C)

THD

N/A

Power Factor

0.9

LED CHARACTERISTICS

Beam Angle

Available in 25°, 40° beam angles*

Color Temperature

Field-adjustable via rotatable base at bottom of lamp neck

2700/3000/3500/4000/5000K

Color Accuracy (CRI)

90 CRI

R9 Value

High color performance with R9 no greater than 0

Color Consistency

<4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

* 15W PAR30L, 15.5W PAR38, 21PAR38 only available in 40° beam Angle

COMPLIANCE

Listings

UL1993

Environment

Suitable for use indoors and outdoors in dry, damp, or wet environments.

Fixture Rating

Suitable for use in enclosed fixtures

California Title 20 Compliant

Can be used to conform with the requirements of California Title 20.

California Title 24 JA8 Compliant

Can be used to conform with the requirements of California Title 24 Part 6.

California Energy Commission (CEC) Status

Lawful for Sales in California

FCC

Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

OTHER

Warranty

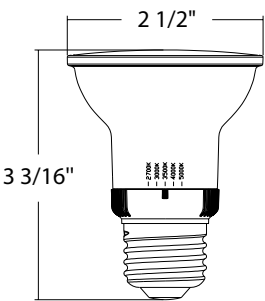
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

DIMENSIONS

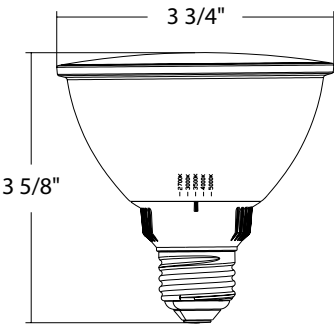
PAR20FA-5.5-9CCT-25D-DIM
PAR20FA-5.5-9CCT-40D-DIM

Weight: 0.12 lb



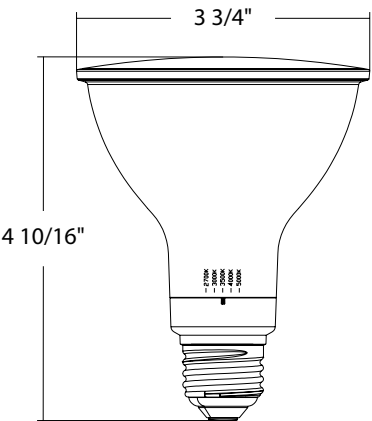
PAR30SFA-11-9CCT-25D-DIM
PAR30SFA-11-9CCT-40D-DIM

Weight: 0.24 lb



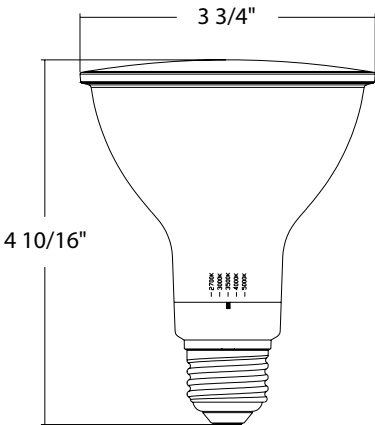
PAR30LFA-11-9CCT-25D-DIM
PAR30LFA-11-9CCT-40D-DIM

Weight: 0.24 lb



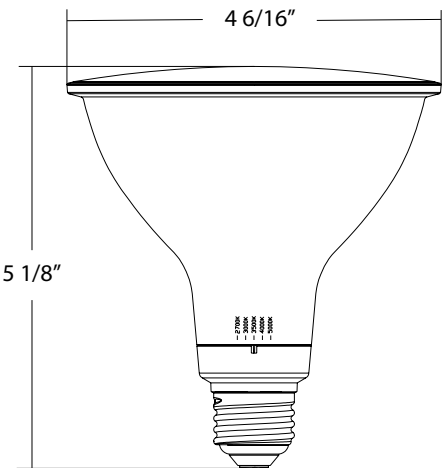
PAR30LFA-15-9CCT-40D-DIM

Weight: 0.27 lb



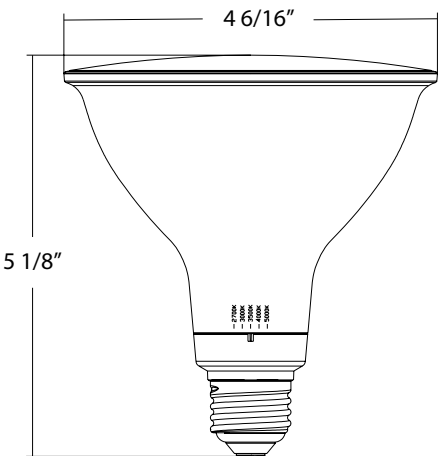
PAR38FA-13.5-9CCT-25D-DIM
PAR38FA-13.5-9CCT-40D-DIM
PAR38FA-15.5-9CCT-40D-DIM

Weight: 0.34 lb



PAR38FA-21-9CCT-40D-DIM

Weight: 0.40 lb



ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
PAR20FA-5.5-9CCT-25D-DIM	PAR20FA-5.5-9CCT-25D-DIM	192552044295	56
PAR20FA-5.5-9CCT-40D-DIM	PAR20FA-5.5-9CCT-40D-DIM	192552044301	56
PAR30SFA-11-9CCT-25D-DIM	PAR30SFA-11-9CCT-25D-DIM	192552044318	30
PAR30SFA-11-9CCT-40D-DIM	PAR30SFA-11-9CCT-40D-DIM	192552044325	30
PAR30LFA-11-9CCT-25D-DIM	PAR30LFA-11-9CCT-25D-DIM	192552044332	30
PAR30LFA-11-9CCT-40D-DIM	PAR30LFA-11-9CCT-40D-DIM	192552044349	30
PAR30LFA-15-9CCT-40D-DIM	PAR30LFA-15-9CCT-40D-DIM	192552044356	30
PAR38FA-13.5-9CCT-25D-DIM	PAR38FA-13.5-9CCT-25D-DIM	192552044370	10
PAR38FA-13.5-9CCT-40D-DIM	PAR38FA-13.5-9CCT-40D-DIM	192552044387	10
PAR38FA-15.5-9CCT-40D-DIM	PAR38FA-15.5-9CCT-40D-DIM	192552044394	10
PAR38FA-21-9CCT-40D-DIM	PAR38FA-21-9CCT-40D-DIM	192552044400	10

ORDERING MATRIX

Family	Wattage		CRI/Color Temp		Beam Angle		Dimming		Voltage	
PAR20FA	-	5.5	-	9CCT	-		-	DIM	-	
	5.5	5.5W	9CCT	90 CRI, Field-Adjustable CCT 2700/3000/3500/4000/5000K	25D 40D	25° 40°	DIM	Dimmable	Blank	120V
PAR30SFA	-	11	-	9CCT	-		-	DIM	-	
	11	11W	9CCT	90 CRI, Field-Adjustable CCT 2700/3000/3500/4000/5000K	25D 40D	25° 40°	DIM	Dimmable	Blank	120V
PAR30LFA	-		-	9CCT	-		-	DIM	-	
	11	11W	9CCT	90 CRI, Field-Adjustable CCT 2700/3000/3500/4000/5000K	25D 40D	25° 40°	DIM	Dimmable	Blank	120V
	15	15W								
PAR38FA	-		-	9CCT	-		-	DIM	-	
	13.5	13.5W	9CCT	90 CRI, Field-Adjustable CCT 2700/3000/3500/4000/5000K	25D 40D	25° 40°	DIM	Dimmable	Blank	120V
	15.5	15.5W								
	19	19W								
	21	21W								

PAR Lamps CCT-Adjustable

Dimmer Compatibility List



Catalog Number	Dimmer Brand	Dimmer Catalog Number	Dimming Performance					
			1 Lamp	2 Lamps	4 Lamps	6 Lamps	8 Lamps	Range
PAR20FA-5.5-9CCT-25D-DIM PAR20FA-5.5-9CCT-40D-DIM PAR38FA-15.5-9CCT-40D-DIM	Lutron	MA-PRO, RRD-PRO, HQRD-PRO, HQRA-PRO, ST-PRO-N, RRST-PRO-N, HRST-PRO-N	✓	✓	✓	✓	✓	10~100%
	Lutron	DVCL-153PR	✓	✓	✓	✓	✓	10~100%
	Leviton	R11-DSL06-1TW	✓	✓	✓	✓	✓	10~100%
	Lutron	MACL-153MLH-WH	✓	✓	✓	✓	✓	10~100%
	Lutron	CTRP-253P, DVRP-253P, NTRP-250	✓	✓	✓	✓	✓	10~100%
	Leviton	DDMX1	✓	✓	✓	✓	✓	10~100%
	Leviton	6672	✓	✓	✓	✓	✓	10~100%
	Eaton	SAL06P	✓	✓	✓	✓	✓	10~100%
	Eaton	DAL06P-C2	✓	✓	✓	✓	✓	10~100%
	Leviton	DSM10, TSM10	✓	✓	✓	✓	✓	10~100%
	Lutron	RRD-6CL RAioRa	✓	✓	✓	✓	✓	10~100%
PAR30LFA-11-9CCT-25D-DIM PAR30LFA-11-9CCT-40D-DIM PAR30LFA-15-9CCT-40D-DIM PAR30SFA-11-9CCT-25D-DIM PAR38FA-21-9CCT-40D-DIM	Lutron	MA-PRO, RRD-PRO, HQRD-PRO, HQRA-PRO, ST-PRO-N, RRST-PRO-N, HRST-PRO-N	✓	✓	✓	✓	✓	10~100%
	Lutron	DVCL-153PR	✓	✓	✓	✓	✓	10~100%
	Leviton	R11-DSL06-1TW	✓	✓	✓	✓	✓	10~100%
	Lutron	MACL-153MLH-WH	✓	✓	✓	✓	✓	10~100%
	Lutron	CTRP-253P, DVRP-253P, NTRP-250	✓	✓	✓	✓	✓	10~100%
	Leviton	DDMX1	✓	✓	✓	✓	✓	10~100%
	Leviton	6672	✓	✓	✓	✓	✓	10~100%
	Leviton	DW6HD, DH6HD, DG6HD, DZ6HD, DL6HD	✓	✓	✓	✓	✓	10~100%
	Eaton	SAL06P	✓	✓	✓	✓	✓	10~100%
	Eaton	DAL06P-C2	✓	✓	✓	✓	✓	10~100%

CCT-Adjustable PAR Lamps

Dimmer Compatibility List



Catalog Number	Dimmer Brand	Dimmer Catalog Number	Dimming Performance					
			1 Lamp	2 Lamps	4 Lamps	6 Lamps	8 Lamps	Range
PAR30SFA-11-9CCT-40D-DIM	Lutron	MA-PRO, RRD-PRO, HQRD-PRO, HQRA-PRO, ST-PRO-N, RRST-PRO-N, HRST-PRO-N	✓	✓	✓	✓	✓	10~100%
	Lutron	DVCL-153PR	✓	✓	✓	✓	✓	10~100%
	Leviton	R11-DSL06-1TW	✓	✓	✓	✓	✓	10~100%
	Lutron	MACL-153MLH-WH	✓	✓	✓	✓	✓	10~100%
	Lutron	CTRP-253P, DVRP-253P, NTRP-250	✓	✓	✓	✓	✓	10~100%
	Leviton	DDMX1	✓	✓	✓	✓	✓	10~100%
	Leviton	6672	✓	✓	✓	✓	✓	10~100%
	Leviton	DW6HD, DH6HD, DG6HD, DZ6HD, DL6HD	✓	✓	✓	✓	✓	10~100%
	Eaton	SAL06P	✓	✓	✓	✓	✓	10~100%
	Eaton	DAL06P-C2	✓	✓	✓	✓	✓	10~100%
PAR38FA-13.5-9CCT-25D-DIM PAR38FA-13.5-9CCT-40D-DIM	Lutron	MA-PRO, RRD-PRO, HQRD-PRO, HQRA-PRO, ST-PRO-N, RRST-PRO-N, HRST-PRO-N	✓	✓	✓	✓	✓	10~100%
	Lutron	DVCL-153PR	✓	✓	✓	✓	✓	10~100%
	Leviton	R11-DSL06-1TW	✓	✓	✓	✓	✓	10~100%
	Lutron	MACL-153MLH-WH	✓	✓	✓	✓	✓	10~100%
	Lutron	CTRP-253P, DVRP-253P, NTRP-250	✓	✓	✓	✓	✓	10~100%
	Leviton	6672	✓	✓	✓	✓	✓	10~100%
	Leviton	DW6HD, DH6HD, DG6HD, DZ6HD, DL6HD	✓	✓	✓	✓	✓	10~100%
	Eaton	SAL06P	✓	✓	✓	✓	✓	10~100%
	Eaton	DAL06P-C2	✓	✓	✓	✓	✓	10~100%
	Lutron	RRD-6CL RadioRa	✓	✓	✓	✓	✓	10~100%