

# ULTRA HD Professional Series LED PAR Lamps

## High Definition Lighting



### Key Features & Benefits

- 95 CRI
- Excellent color quality – within a 3-step MacAdam ellipse
- R9 greater than 60
- Lumens per watt greater than 50
- Available in 3000K CCT
- Available in Medium and GU24 base
- UV, IR and Mercury-free
- RoHS compliant
- Dimmable\*

\* Please refer to Dimmer Compatibility List (RETRO-DIM) for a list of compatible dimmers or visit [www.sylvania.com/ledr](http://www.sylvania.com/ledr)



The SYLVANIA ULTRA HD Professional Series family of LED PAR lamps offers premium performance in every category. With exceptional color quality, efficiency, and electrical design standards, this top-tier family of lamps is designed to ensure the highest aesthetics while complying with the most stringent sustainability goals. Designed to be the most efficient replacements for halogen at 3000K, these SYLVANIA LED lamps last up to 10 times longer and are rated for use in damp locations. An optimized LED selection process is used to ensure that color within the ULTRA HD Professional family of LED lamps is extremely consistent, within a 3-step MacAdam ellipse. With outstanding color rendering capabilities (95 CRI) and exceptionally rich deep red content (R9>60), ULTRA HD Professional Series LED lamps enhance warm color palettes and make whites more crisp, making them ideal for residential, hospitality, healthcare, or retail applications. With lamp efficacies higher than 50 lumens per watt and smooth dimming performance, ULTRA HD Professional Series LED lamps are an ideal part of any energy-conservation strategy.

### Product Offering

Ordering Abbreviation	Wattage (W)	Beam Angle	Lumens
LED10PAR20/DIM/P/930/FL30	10	30°	550
LED10PAR20/GU24/DIM/P/930/FL30	10	30°	550
LED15PAR30/DIM/P/930/FL40	15	40°	880
LED15PAR30/GU24/DIM/P/930/FL40	15	40°	880
LED17PAR30LN/DIM/P/930/NFL25	17	25°	970
LED17PAR30LN/GU24/DIM/P/930/NFL25	17	25°	970
LED21PAR38/DIM/P/930/FL30	21	30°	1150
LED21PAR38/GU24/DIM/P/930/FL30	21	30°	1150

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. For FCC Part 15 user information, please see [www.sylvania.com/fcc15b](http://www.sylvania.com/fcc15b)

### Application Information

#### Market Segments

- Art galleries and museums
- Healthcare
- Hospitality
- Offices
- Residential
- Restaurants
- Retail

#### Applications

- Accent/display lighting
- General lighting
- Recessed downlighting
- Track lighting

#### Application Notes

1. ETL Listed
2. Use in fixtures that support 2lb. lamp
3. Not for use with emergency light fixtures or exit lights
4. Operating Temperature -40°F and +113° F (-40°C and +45°C)
5. Not for use in enclosed fixture
6. Suitable for use in damp locations when used in a UL rated outdoor fixture where protected from weather



## Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	Date

## Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Base Type	Input Voltage (VAC)	Average Rated Life (hrs.) <sup>1</sup>	Typical Lumens (lm) <sup>2</sup>	CCT <sup>3</sup>	CBCP (cd)	Beam Angle	R9	CRI <sup>4</sup>	Power Factor
78748	LED10PAR20/DIM/P/930/FL30	10	Med	120	25,000	550	3000K	1600	30°	63	95	0.9
78744	LED10PAR20/GU24/DIM/P/930/FL30	10	GU24	120	25,000	550	3000K	1600	30°	63	95	0.9
78747	LED15PAR30/DIM/P/930/FL40	15	Med	120	25,000	880	3000K	1700	40°	62	95	0.7
78743	LED15PAR30/GU24/DIM/P/930/FL40	15	GU24	120	25,000	880	3000K	1700	40°	62	95	0.7
78746	LED17PAR30LN/DIM/P/930/NFL25	17	Med	120	25,000	970	3000K	3400	25°	62	95	0.7
78742	LED17PAR30LN/GU24/DIM/P/930/NFL25	17	GU24	120	25,000	970	3000K	3400	25°	62	95	0.7
78745	LED21PAR38/DIM/P/930/FL30	21	Med	120	25,000	1150	3000K	3700	30°	62	95	0.7
78741	LED21PAR38/GU24/DIM/P/930/FL30	21	GU24	120	25,000	1150	3000K	3700	30°	62	95	0.7

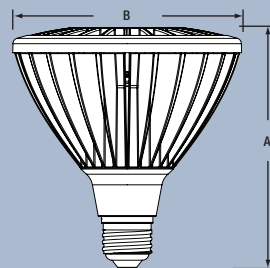
1. Hours lifetime with 70% (L<sub>70</sub>) lumen maintenance    2. Thermally stable typical lumens (±10%)    3. Thermally stable typical CCT (±10%)    4. CRI – Color Rendering Index

## Ordering Guide

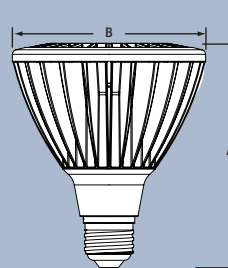
LED	21	PAR38	/	DIM	/	P	/	930	/	FL	30
LED Lamps	Wattage 10, 15, 17, 21	Lamp Type: PAR20 PAR30 PAR30LN PAR38		DIM = Dimmable		Professional Series		CRI, CCT: 930: 90+ CRI, 3000K CCT		Beam Type NFL: Narrow Flood FL: Flood	Beam Angle 25°, 30°, 40°

## Lamp Dimensions

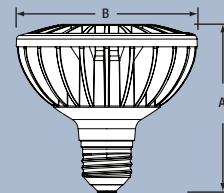
	(A) MOL (inches)	(B) Diameter (inches)
PAR38 Med Base	4.99	4.76
PAR38 GU24	5.03	4.76
PAR30LN Med Base	4.67	4.02
PAR30LN GU24	4.72	4.02
PAR30 Med Base	3.53	3.75
PAR30 GU24	3.60	3.75
PAR20 Med Base	3.42	2.50
PAR20 GU24	3.50	2.50



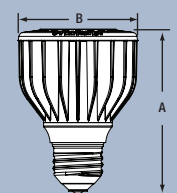
PAR38 Med Base



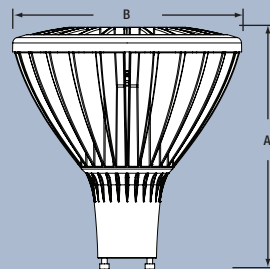
PAR30LN Med Base



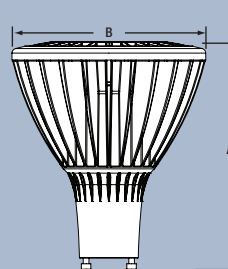
PAR30 Med Base



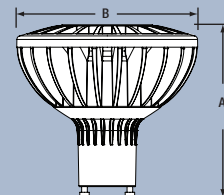
PAR20 Med Base



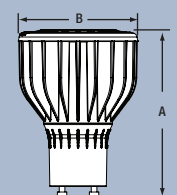
PAR38 GU24



PAR30LN GU24



PAR30 GU24



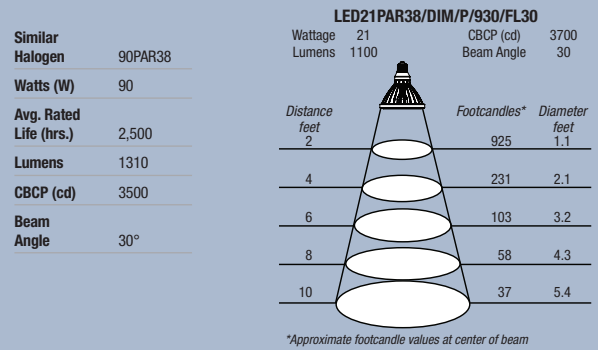
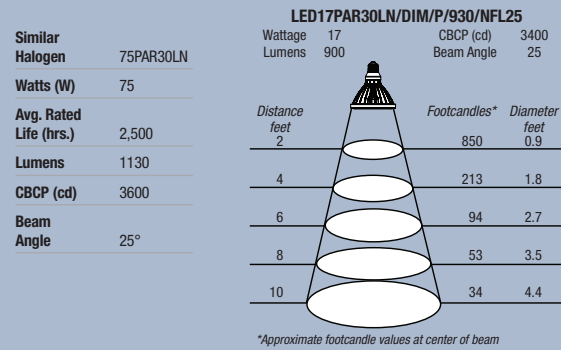
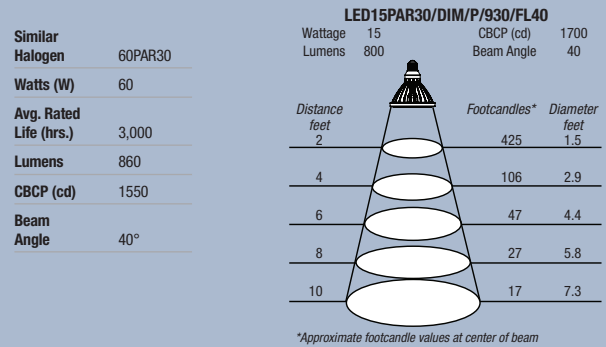
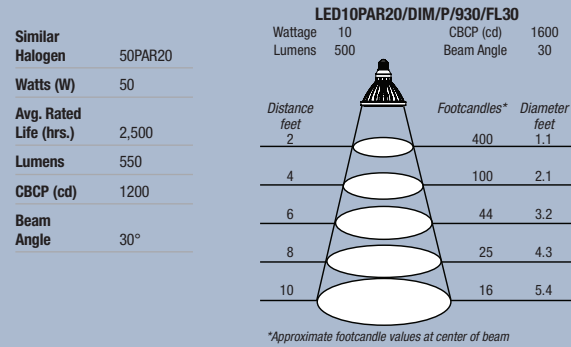
PAR20 GU24

## Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen Life
LED21PAR38	25,000	90PAR38	2,500	69	\$313.00	10x
LED17PAR30LN	25,000	75PAR30LN	2,500	58	\$220.00	10x
LED15PAR30	25,000	60PAR30	3,000	45	\$123.75	8x
LED10PAR20	25,000	50PAR20	2,500	40	\$110.00	10x

\*Energy savings over life of lamp calculated at \$0.11/kWh

## Technical Information



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# lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	<b>550</b>
Watts	<b>10</b>
Lumens per Watt (Efficacy)	<b>55</b>

Color Accuracy	<b>95</b>
Color Rendering Index (CRI)	

**Light Color**  
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: SBZT-WV7COB  
Model Number: LED10PAR20/DIMP/930/FL30  
Type: Replacement Lamp - Directional (R20, PAR20)

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A Program of the U.S. DOE

Light Output (Lumens)	<b>880</b>
Watts	<b>15</b>
Lumens per Watt (Efficacy)	<b>58</b>

Color Accuracy	<b>95</b>
Color Rendering Index (CRI)	

**Light Color**  
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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Registration Number: SBZT-JYL5EM  
Model Number: LED15PAR30/DIMP/930/FL40  
Type: Replacement Lamp - Directional (R30, PAR30)

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Light Output (Lumens)	<b>970</b>
Watts	<b>17</b>
Lumens per Watt (Efficacy)	<b>57</b>

Color Accuracy	<b>95</b>
Color Rendering Index (CRI)	

**Light Color**  
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: SBZT-JQHD7G  
Model Number: LED17PAR30LN/DIMP/930/NFL25  
Type: Replacement Lamp - Directional (R30, PAR30)

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Light Output (Lumens)	<b>1150</b>
Watts	<b>21</b>
Lumens per Watt (Efficacy)	<b>55</b>

Color Accuracy	<b>95</b>
Color Rendering Index (CRI)	

**Light Color**  
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: SBZT-ALWCSJ  
Model Number: LED21PAR38/DIMP/930/FL30  
Type: Replacement Lamp - Directional (R38, PAR38)

## Sample Specification

Lamp(s) shall be ULTRA HD Professional Series lamps (21W PAR38, 17W PAR30LN, 15W PAR30, 10W PAR20) having either a medium base or GU24 base. Lamp(s) shall have an average rated life of 25,000 at L<sub>70</sub>. Lamps should have a CRI of 95 with a R<sub>9</sub> > 60 and an excellent color quality at 3 step MacAdam ellipse.

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