

ULTRA HD Professional Series LED PAR Lamps

High Definition Lighting



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 typical 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.

Key Features & Benefits

- 95 typical CRI
- Excellent color quality – within a 3-step MacAdam ellipse
- R9 greater than 60
- Lumens per watt greater than 50
- Available in 3000K color temperature
- Available in Medium and GU24 base
- UV, IR and Mercury-free
- RoHS compliant
- Dimmable to 10%*

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



Product Offering

Ordering Abbreviation	Wattage (W)	Beam Angle	Lumens
LED21PAR38/DIM/P/930/WSP15	21	15°	1150
LED10PAR20/DIM/P/930/FL30	10	30°	550
LED10PAR20/GU24/DIM/P/930/FL30	10	30°	550
LED21PAR38/DIM/P/930/FL30	21	30°	1150
LED21PAR38/GU24/DIM/P/930/FL30	21	30°	1150
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

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

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	

Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Base Type	Input Voltage (VAC)	Average Rated Life (hrs.) ¹	Typical Lumens (lm) ²	CCT ³	CBCP (cd)	Beam Angle	R9	Typical CRI ⁴	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	50,000	970	3000K	3400	25°	62	95	0.7
78742*	LED17PAR30LN/GU24/DIM/P/930/NFL25	17	GU24	120	50,000	970	3000K	3400	25°	62	95	0.7
78745*	LED21PAR38/DIM/P/930/FL30	21	Med	120	50,000	1150	3000K	3700	30°	62	95	0.7
78741*	LED21PAR38/GU24/DIM/P/930/FL30	21	GU24	120	50,000	1150	3000K	3700	30°	62	95	0.7
78906	LED21PAR38/DIM/P/930/WSP15	21	Med	120	25,000	1150	3000K	3990	15°	62	95	0.7

1. Hours lifetime with 70% (L70) lumen maintenance

2. Thermally stable typical lumens (±10%)

3. Thermally stable typical CCT (±10%)

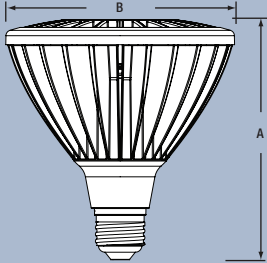
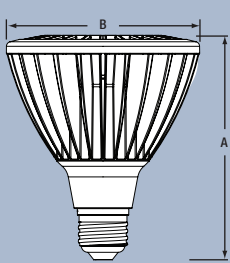
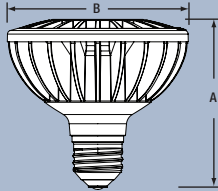
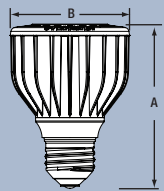
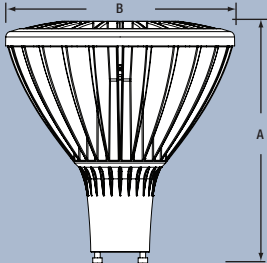
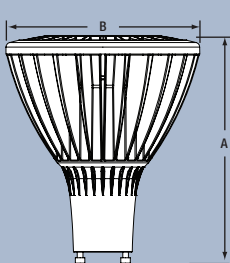
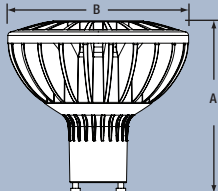
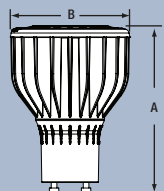
4. CRI – Color Rendering Index

*ENERGY STAR® qualified product.

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

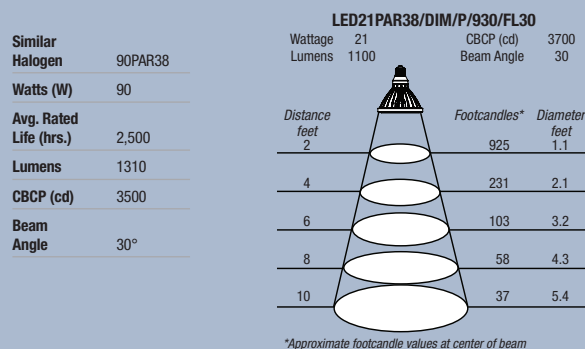
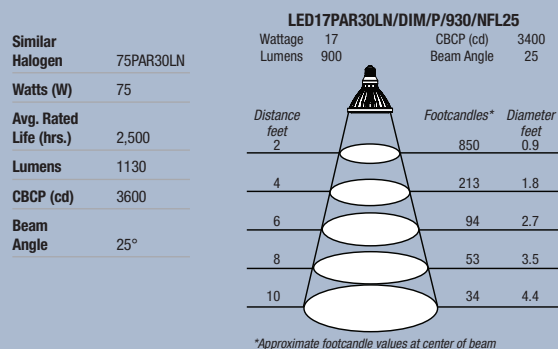
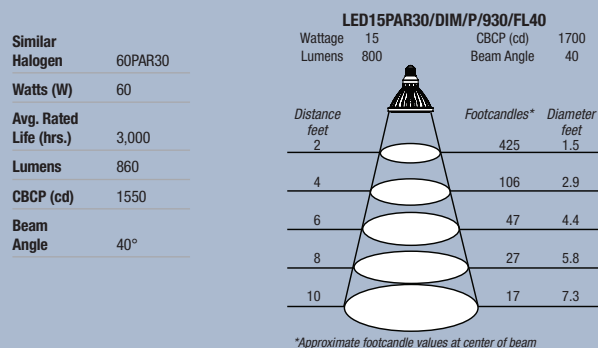
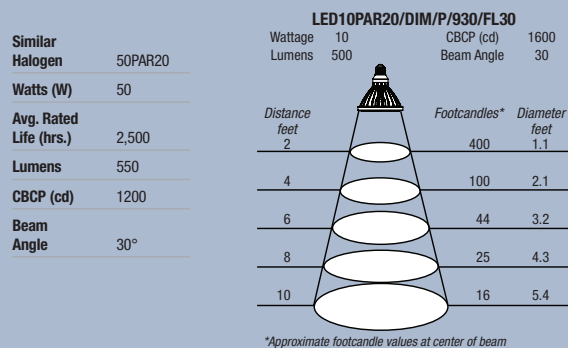
	(A) MOL (inches)	(B) Diameter (inches)	
PAR38 Med Base	4.99	4.76	
PAR38 GU24	5.03	4.76	
PAR30LN Med Base	4.67	4.02	
PAR30LN GU24	4.72	4.02	
PAR30 Med Base	3.53	3.75	
PAR30 GU24	3.60	3.75	
PAR20 Med Base	3.42	2.50	
PAR20 GU24	3.50	2.50	

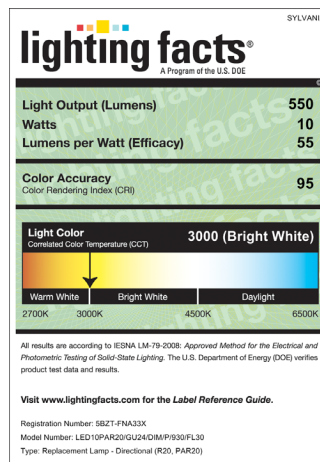
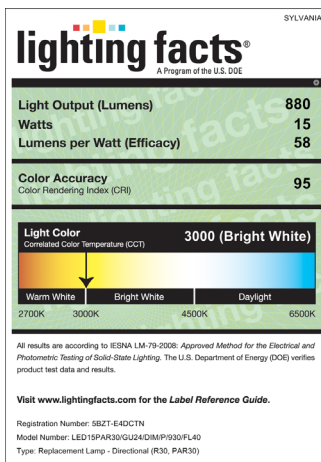
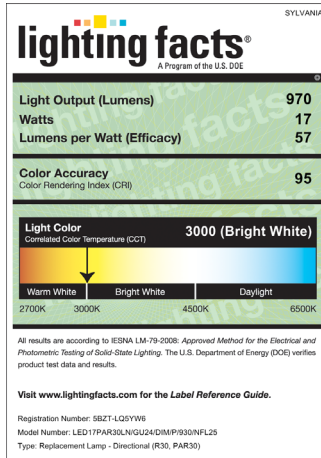
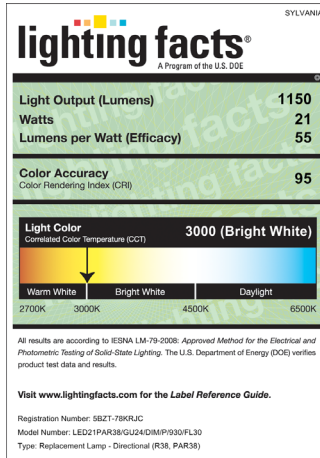
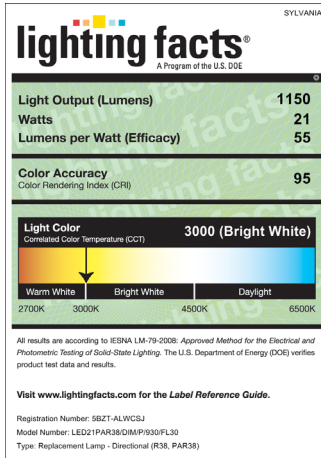
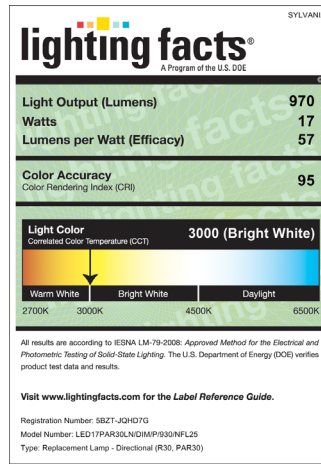
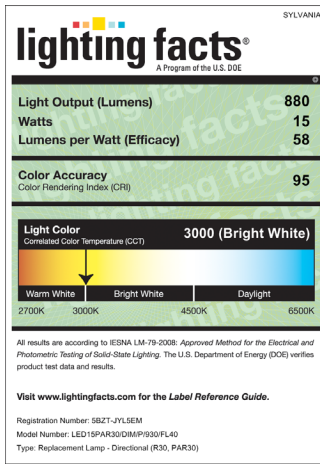
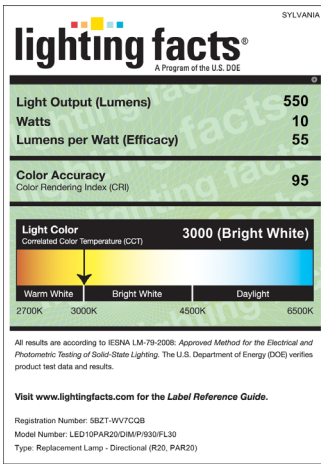
Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen Life
LED21PAR38	50,000	90PAR38	2,500	69	\$379.50	20x
LED17PAR30LN	50,000	75PAR30LN	2,500	58	\$319.00	20x
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





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 L₇₀. Lamps should have a typical CRI of 95 with a R9 > 60 and an excellent color quality at 3-step MacAdam ellipse.

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