

ULTRA LED Retrofit PAR30LN Lamps

Dimmable



LED technology offers reduced energy and maintenance costs when compared with conventional light sources. LED PAR30LN retrofit lamps are intended to be a high-quality replacement for 50W halogen PAR30 long neck lamps while offering 20 times the life. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These lamps are dimmable down to 10%* and are rated at 50,000 hours life with a correlated color temperature (CCT) of 3000K. They are available with 25° and 40° beam angles.

Key Features & Benefits

- 15W LED lamp designed as a high quality replacement of 50W halogen PAR30LN lamps
- Dimmable 10%–100%*
- 50,000 hours life at 70% lumen maintenance
- Suitable for indoor and outdoor use
- Available in 3000K CCT with 87 CRI (2700K targeted for Fall 2010)
- Medium base for direct replacement
- Power factor 0.77
- Reduces energy consumption up to 70%
- Lasts 20 times longer than halogen lamps
- No warm-up time, instant-on with full light output and stable color
- Mercury free and RoHS compliant
- UV and IR free

* Performance may vary depending on dimmer used in application



Product Offering

Item Number	Ordering Abbreviation	Wattage (W)	Color Temperature	Beam Angle	R9
78638	LED15PAR30LN/DIM/830/NFL25	15	3000K	25°	54
78639	LED15PAR30LN/DIM/830/FL40	15	3000K	40°	55

Application Information

Market Segments

- Art galleries and museums
- Hospitality
- Residential
- Retail

Applications

- Accent/display lighting
- Recessed downlighting
- Track lighting

Application Notes

1. Operating temperature range between -40°F and +113°F (-40°C and +45°C)
2. UL1993 listed
3. Suitable for use in indoor and outdoor environments
4. Suitable for dimmers or in luminaires controlled by a dimmer
5. Not intended for use with emergency light fixtures or exit lights
6. For use in fixtures that can structurally support a lamp weighing one pound
7. Not to be used in enclosed fixtures
8. Not to be used in enclosed insulated ceilings



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	CRI ⁴	Power Factor
78638	LED15PAR30LN/DIM/830/NFL25	15	Medium	120	50,000	770	3000K	2900	25°	87	0.77
78639	LED15PAR30LN/DIM/830/FL40	15	Medium	120	50,000	770	3000K	1300	40°	87	0.77

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

Ordering Guide

LED	15	PAR30LN	/	DIM	/	830	/	NFL	25
LED Lamps and Retrofits	Wattage: 15	Lamp Type: PAR30 Long Neck		Dimmable		CRI, CCT: 830: 80+ CRI, 3000K CCT		Beam Type: NFL: Narrow Flood	Beam Angle: 25°

Recommended Dimmer List

Make	Dimmer	Dimmer Max. Wattage	Max. Lamps per Dimmer	Make	Dimmer	Dimmer Max. Wattage	Max. Lamps per Dimmer
Lutron	S-600PR-WH	600	5	Lutron	LG-600P	600	5
Lutron	DV-600PR-WH	600	5	Lutron	D-600PH	600	5
Lutron	TG-600PR-WH	600	5	Lutron	TT-300NLH	600	5
Lutron	AY600P	600	5	Lutron	TG-603PG	300	2
Lutron	Q600P	600	5	Leviton	6633-PL	600	5
Lutron	GL600	600	5	Leviton	6684	600	5
Lutron	CN-600PHW	600	5	Leviton	6631	600	5
Lutron	DV-603PG	600	5	Leviton	IPI06-1LX	600	5
Lutron	S-600	600	5				
Lutron	S-600P	600	5				

Lamp Dimensions

	(A) MOL (inches)	(B) Diameter (inches)
LED15PAR30LN/DIM	4.50	3.75

Illuminance Cone Diagrams

Similar Halogen	LED15PAR30LN/830/NFL25				Similar Halogen	LED15PAR30LN/830/FL40			
	50PAR30LN	Wattage Lumens	CBCP (cd) Beam Angle	2900 25		50PAR30LN	Wattage Lumens	CBCP (cd) Beam Angle	1300 40
		15 770				15 770			
Watts (W)	50				50				
Avg. Rated Life (hrs.)	2,500				2,500				
Lumens	660				660				
CBCP (cd)	2100				660				
Beam Angle	25°				50°				

*Approximate footcandle values at center of beam

Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen
LED15PAR30LN/DIM	50,000	50PAR30LN	2,500	35	\$192	20x

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

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Specification Data

Fixture Description	
Type	
Project/Job	
SYLVANIA lamp	
SYLVANIA ballast	
Notes	

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A Program of the U.S. DOE

Light Output (Lumens) 770
Watts 15
Lumens per Watt (Efficacy) 51

Color Accuracy
Color Rendering Index (CRI) 87

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

2700K 3000K 4500K 6500K

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 for the Label Reference Guide.

Registration Number: SBZT-SBVZD3
Model Number: LED15PAR30LN/DIM/830/NFL25
Type: Replacement lamps

United States
OSRAM SYLVANIA
100 Endicott Street
Danvers, MA 01923

Trade
Phone: 1-800-255-5042
Fax: 1-800-255-5043

National Accounts
Phone: 1-800-562-4671
Fax: 1-800-562-4674

OEM/Special Markets
Phone: 1-800-762-7191
Fax: 1-800-762-7192

Display/Optic
Phone: 1-888-677-2627
Fax: 1-800-762-7192

Canada
OSRAM SYLVANIA LTD.
2001 Drew Road
Mississauga, ON L5S 1S4

Trade
Phone: 1-800-263-2852
Fax: 1-800-667-6772

OEM/Special Markets/Display/Optic
Phone: 1-800-265-2852
Fax: 1-800-667-6772

www.sylvania.com