

ULTRA LED Retrofit PAR38 Lamps

Dimmable



LED technology reduces energy and maintenance costs when compared with conventional light sources. Lasting 20 times longer and with only 18 watts, LED PAR38 lamps are high-quality replacements for 75W halogen PAR38 lamps. 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 2700K and 3000K. They are available with 25° and 40° beam angles.

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/fccpart15

Key Features & Benefits

- 18W LED lamp designed for high quality replacement of 75W halogen PAR38 lamps
- Dimmable 10%–100%*
- 50,000 hours life at 70% lumen maintenance
- Suitable for indoor and outdoor use
- Available in 2700K and 3000K CCT with 87 CRI
- Medium base for direct replacement
- Power factor 0.75
- Reduces energy consumption up to 76%
- 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



This light source meets restriction on hazardous substances.

Product Offering

Item Number	Ordering Abbreviation	Wattage (W)	Color Temperature	Beam Angle	R9
78640	LED18PAR38/DIM/830/NFL25	18	3000K	25°	43
78641	LED18PAR38/DIM/830/FL40	18	3000K	40°	43
78657	LED18PAR38/DIM/827/NFL25	18	2700K	25°	40
78658	LED18PAR38/DIM/827/FL40	18	2700K	40°	39

Application Information

Market Segments

- Art galleries and museums
- Hotels and hospitality
- Residential
- Retail

Applications

- Accent/display lighting
- Recessed downlighting

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 environments and outdoor environments with open fixtures
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 two pounds
7. Not to be used in enclosed fixtures
8. Not to be used in enclosed insulated ceilings



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.) ¹	Typical Lumens (lm) ²	CCT ³	CBCP (cd)	Beam Angle	CRI ⁴	Power Factor
78640	LED18PAR38/DIM/830/NFL25	18	Medium	120	50,000	900	3000K	3100	25°	87	0.75
78641	LED18PAR38/DIM/830/FL40	18	Medium	120	50,000	900	3000K	1500	40°	87	0.75
78657	LED18PAR38/DIM/827/NFL25	18	Medium	120	50,000	860	2700K	3680	25°	84	0.75
78658	LED18PAR38/DIM/827/FL40	18	Medium	120	50,000	860	2700K	1150	40°	84	0.75

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

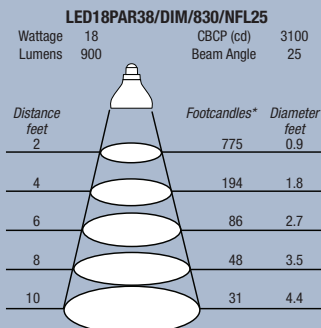
LED	18	PAR38	/	DIM	/	830	/	NFL	25
LED Lamps and Retrofits	Wattage 18	Lamp Type: PAR38		Dimmable		CRI, CCT: 830: 80+ CRI, 3000K CCT		Beam Type NFL: Narrow Flood	Beam Angle 25°

Lamp Dimensions

	(A) MOL (inches)	(B) Diameter (inches)
LED18PAR38/DIM	5.2	4.72

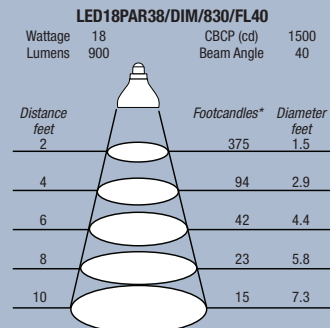
Illuminance Cone Diagrams

Similar Halogen	75PAR38
Watts (W)	75
Avg. Rated Life (hrs.)	2,500
Lumens	1060
CBCP (cd)	3150
Beam Angle	30°



*Approximate footcandle values at center of beam

Similar Halogen	75PAR38
Watts (W)	75
Avg. Rated Life (hrs.)	2,500
Lumens	1060
CBCP (cd)	1300
Beam Angle	50°



*Approximate footcandle values at center of beam

Recommended Dimmer List

Make	Dimmer	Dimmer Max. Wattage	Max. Lamps per Dimmer
Lutron	S-600PR-WH	600	5
Lutron	DV-600PR-WH	600	5
Lutron	TG-600PR-WH	600	5
Lutron	AY600P	600	5
Lutron	Q600P	600	5
Lutron	GL600	600	5
Lutron	CN-600PHW	600	5
Lutron	DV-603PG	600	5
Lutron	S-600	600	5
Lutron	S-600P	600	5

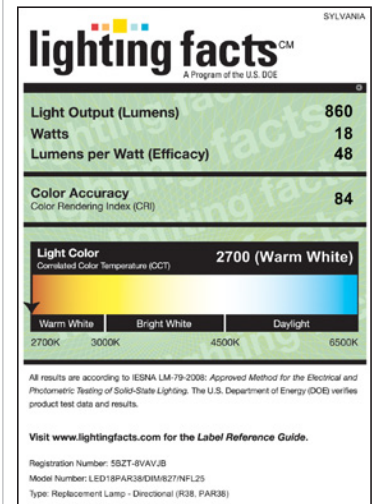
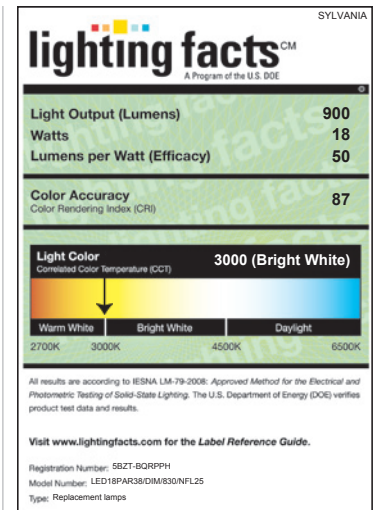
Make	Dimmer	Dimmer Max. Wattage	Max. Lamps per Dimmer
Lutron	LG-600P	600	5
Lutron	D-600PH	600	5
Lutron	TT-300NLH	600	5
Lutron	TG-603PG	300	2
Leviton	6633-PL	600	5
Leviton	6684	600	5
Leviton	6631	600	5
Leviton	IP106-1LX	600	5

See the complete list of recommended dimmers at www.mySylvania.com

Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen Life
LED18PAR38/DIM	50,000	75PAR38	2,500	57	\$313	20x

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



Contact Sylvania at the numbers listed below for more LightFacts information and labels.

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

SYLVANIA is a registered trademark of OSRAM SYLVANIA INC.

SEE THE WORLD IN A NEW LIGHT is a registered trademark of OSRAM SYLVANIA Inc.

Specifications subject to change without notice.