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 3000K. They are available with 25° and 40° beam angles.

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 3000K CCT with 87 CRI (2700K targeted for Fall 2010)
- Medium base for direct replacement

Product Offering

- 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

Color

Temperature

3000K

3000K

Beam

Angle

R9

43

43

* Performance may vary depending on dimmer used in application



Item

Number

78640



Ordering

Abbreviation

LED18PAR38/DIM/830/NFL25

LED18PAR38/DIM/830/FL40





Wattage

(W)

18

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
- 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



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	CRI⁴	Power Factor
78640	LED18PAR38/DIM/830/NFL25	5 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

- 1. Hours lifetime with 70% lumen maintenance 2. Thermally stable typical lumens (±10%) 3. Thermally stable typically CCT (±10%)
- 4. CRI color rendering index

Ordering Guide

LED	18	PAR38	/	DIM	1	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°

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	IPI06-1LX	600	5

Lamp Dimensions

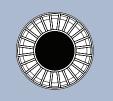
	(A) MOL (inches)	(B) Diameter (inches)	
LED18PAR38/DIM	5.2	4.72	



6

8

10



Footcandles* Diamete

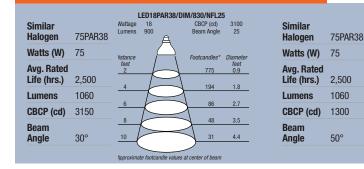
42 4.4

15 7.3

2.9

5.8

Illuminance Cone Diagrams



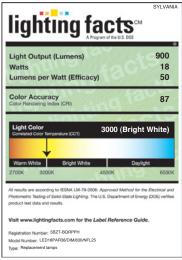
г	~	Sa		 •
FII			IWI	 В

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

Fixture Description Type Project/Job SYLVANIA lamp SYLVANIA ballast Notes

Specification Data



United States OSRAM SYLVANIA

100 Endicott Street Danvers, MA 01923

Trade

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

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

1-888-677-2627 Phone: Fax: 1-800-762-7192

Canada

OSRAM SYLVANIA LTD.

2001 Drew Road Mississauga, ON L5S 1S4

Trade

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

OEM/Special Markets/Display/Optic

1-800-265-2852 Phone: 1-800-667-6772

www.sylvania.com