

ULTRA LED Retrofit PAR20 Lamps Dimmable



LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Lasting 20 times longer and using only 8 watts, LED PAR20 lamps are a high-quality replacement for 35W halogen PAR20 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 36° 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/fcc15b.

Key Features & Benefits

- 8W LED lamp designed as replacement of 35W halogen PAR20 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 85 CRI
- Medium base for direct replacement
- Power factor 0.95
- Reduces energy consumption up to 84%
- 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. Please refer to Compatibility Dimmer List (RETRO-DIM) for a list of compatible dimmers or visit www.SYLVANIA.com/LEDretrofit



Product Offering

Ordering Abbreviation	Wattage (W)	Color Temperature	Beam Angle	Lumens	R9
LED8PAR20/DIM/830/NFL25	8	3000K	25°	350	36
LED8PAR20/DIM/830/FL36	8	3000K	36°	350	39
LED8PAR20/DIM/827/NFL25	8	2700K	25°	320	45
LED8PAR20/DIM/827/FL36	8	2700K	36°	320	44

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. UL 1993 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. Not to be used in enclosed fixtures
7. 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
78636	LED8PAR20/DIM/830/NFL25	8	Medium	120	50,000	350	3000K	1260	25°	85	0.95
78637	LED8PAR20/DIM/830/FL36	8	Medium	120	50,000	350	3000K	710	36°	85	0.95
78653	LED8PAR20/DIM/827/NFL25	8	Medium	120	50,000	320	2700K	1150	25°	85	0.94
78654	LED8PAR20/DIM/827/FL36	8	Medium	120	50,000	320	2700K	670	36°	85	0.94

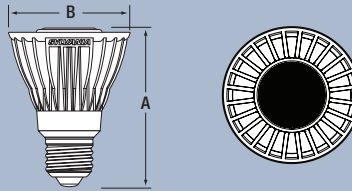
1. Hours lifetime with 70% lumen maintenance 2. Thermally stable typical lumens (±10%)
 3. Thermally stable typical CCT (±10%) 4. CRI – Color Rendering Index

Ordering Guide

LED	8	PAR20	/	DIM	/	830	/	NFL	25
LED Lamps and Retrofits	Wattage: 8	Lamp Type: PAR20		Dimmable		CRI, CCT: 830: 80+ CRI, 3000K CCT		Beam Type: NFL: Narrow Flood FL: Flood	Beam Angle: 25° or 36°

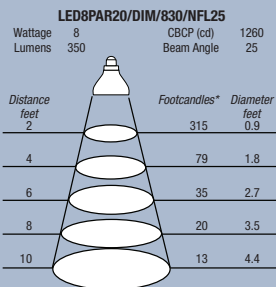
Lamp Dimensions

	(A) MOL (inches)	(B) Diameter (inches)
LED8PAR20/DIM	3.4	2.6

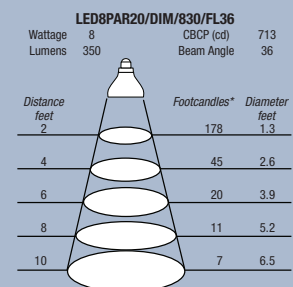


Illuminance Cone Diagrams

Similar Halogen	35PAR20
Watts (W)	35
Avg. Rated Life (hrs)	2,500
Lumens	360
CBCP (cd)	800
Beam Angle	30°



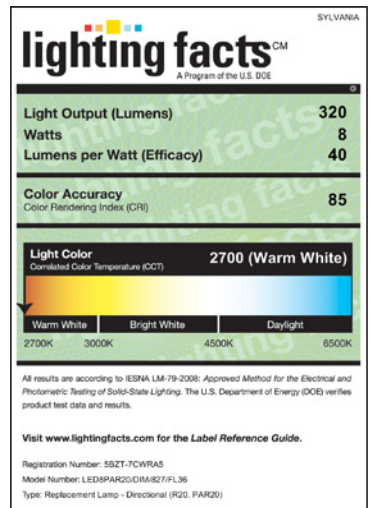
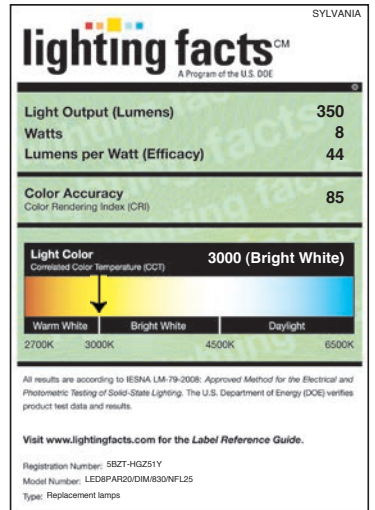
Similar Halogen	35PAR20
Watts (W)	35
Avg. Rated Life (hrs)	2,500
Lumens	360
CBCP (cd)	500
Beam Angle	40°



Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen
LED8PAR20/DIM	50,000	35PAR20	2,500	27	\$149	20x

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



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