

ULTRA LED PAR20 Lamps Dimmable



LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Lasting 10 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 rated at 25,000 hours with a correlated color temperature (CCT) of 2700K or 3000K. The 36° 2700K product is ENERGY STAR qualified at 25,000 hours. Both color temperatures 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%*
- 25,000 hours at 70% lumen maintenance
- 36° 2700K product is ENERGY STAR® qualified at 25,000 hours
- Suitable for use in damp locations**
- Available in 2700K and 3000K CCT with 85 CRI
- Medium base for direct replacement
- Power factor 0.9
- Reduces energy consumption up to 84%
- Lasts 10 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/ledr

** Suitable for use in wet locations when used in a UL rated fixture where protected from the weather.



Product Offering

Ordering Abbreviation	Wattage (W)	Color Temperature	Beam Angle	Lumens	R9
LED8PAR20/DIM/H/830/NFL25	8	3000K	25°	400	45
LED8PAR20/DIM/H/830/FL36	8	3000K	36°	400	46
LED8PAR20/DIM/827/NFL25	8	2700K	25°	320	45
LED8PAR20/DIM/827/FL36*	8	2700K	36°	320	44

*ENERGY STAR qualified

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 damp locations
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
78802	LED8PAR20/DIM/H/830/NFL25	8	Medium	120	25,000	400	3000K	2000	25°	85	0.9
78803	LED8PAR20/DIM/H/830/FL36	8	Medium	120	25,000	400	3000K	675	36°	85	0.9
78653	LED8PAR20/DIM/827/NFL25	8	Medium	120	25,000	320	2700K	1150	25°	85	0.94
78654	LED8PAR20/DIM/827/FL36*	8	Medium	120	25,000	320	2700K	670	36°	85	0.94

* ENERGY STAR® qualified

1. Hours lifetime with 70% lumen maintenance 2. Thermally stable typical lumens (±10%)

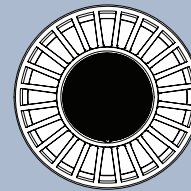
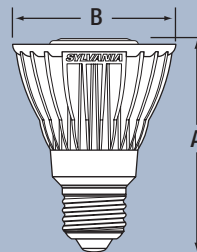
3. Thermally stable typical CCT (±10%) 4. CRI – Color Rendering Index

Ordering Guide

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

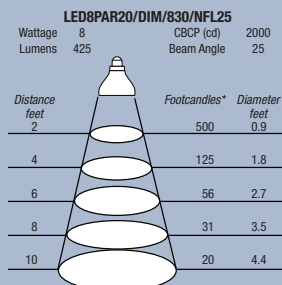
Lamp Dimensions

	(A) MOL (inches)	(B) Diameter (inches)
LED8PAR20/DIM	3.4	2.5

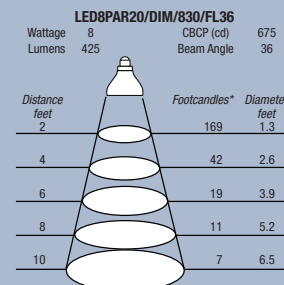


Illuminance Cone Diagrams

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



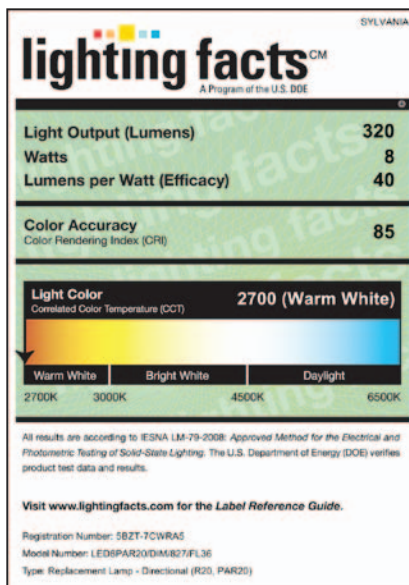
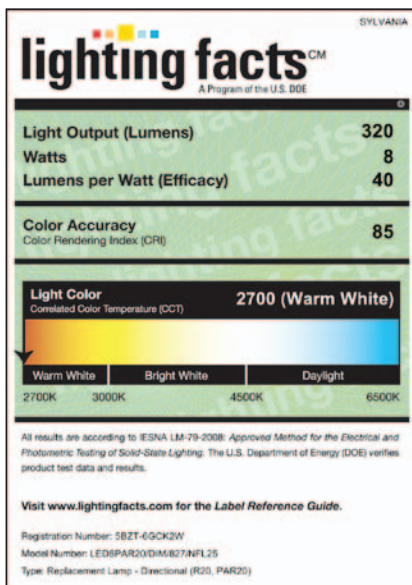
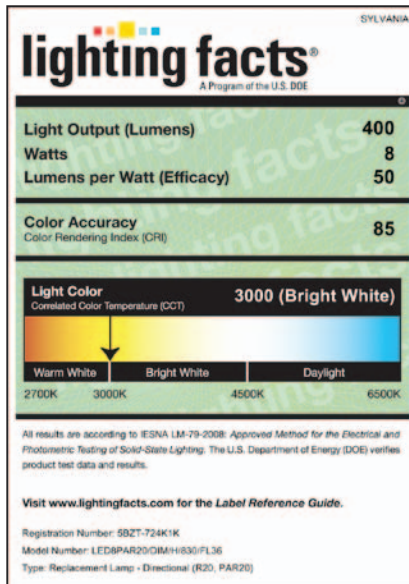
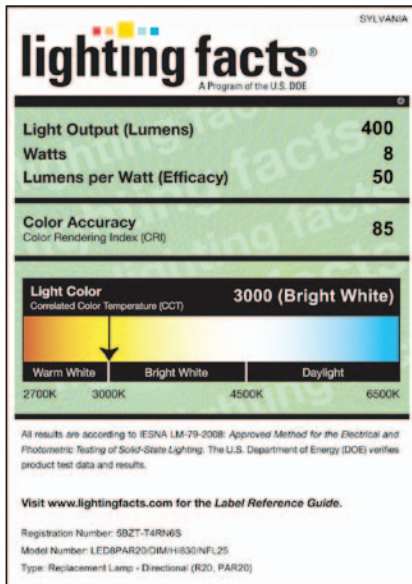
Similar Halogen	35PAR20
Watts (W)	35
Avg. Rated Life (hrs)	2,500
Lumens	360
CBCP (cd)	500
Beam Angle	40°



Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen
LED8PAR20/DIM	25,000	35PAR20	2,500	27	\$74	10x

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



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