

ULTRA LED PAR20 Lamps



LED technology offers reduced energy and maintenance costs when compared with conventional light sources. Lasting up to 10 times longer and using only 7, 8 or 10 watts, LED PAR20 lamps are a high quality replacement for 50W halogen PAR20 lamps. With a good color rendering and a variety of color temperatures available—2500K, 2700K, 3000K and 5000K—these lamps can be used in many applications from home to hospitality to retail and restaurants. Our 7W PAR20, available in 5000K color temperature, is perfect for lighting when reading or fine detail work and is available in a 36° beam angle. Our 8W PAR20 lamps are available in 2700K and 3000K color temperature and both are offered in 25° and 36° beam angle. Our 10W PAR20 is offered in a 2500K color temperature creating a warm and cozy light perfect for hospitality or residential atmospheres. This lamp is available in a 20° beam angle. All our LED lamps are free of UV and IR radiation, minimizing discoloration and fading of materials. With a life rating at 25,000 hours and a significant reduction in energy use, these lamps are guaranteed to help save money in all lighting applications.

Key Features & Benefits

- Dimmable to 10%*
- Long life: up to 25,000 hours (L₇₀)
- Available in 2500K, 2700K, 3000K and 5000K color temperature
- RoHS compliant
- UV and IR free
- Mercury and lead free
- Suitable for use in damp locations
- Reduces energy consumption up to 86%
- Lasts 10 times longer than halogen lamps
- No warm up time, instant on with full light output and stable color
- Power factor: 0.88-0.98

* Performance may vary depending on dimmer used in application. Please refer to Compatible Dimmer List (RETRO-DIM) for a list of compatible dimmers or visit www.SYLVANIA.com/ledr



Product Offering

Ordering Abbreviation	Wattage	Color Temperature	Beam Angle
LEDPAR20	7	5000K	36°
LED8PAR20	8	2700K, 3000K	25°, 36°
LED10PAR20	10	2500K	20°

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.

Application Information

Market Segments

- Art galleries and museums
- Hospitality
- Offices
- Residential
- Restaurants
- Retail

Applications

- Accent/display lighting
- General lighting
- Recessed downlighting
- Track lighting

Application Notes

1. Operating temperature range between -4°F and +104°F (-20°C and +40°C)
2. Suitable for outdoor use when used in a UL rated fixture where protected from the weather
3. Suitable for dimmers or in luminaires controlled by a dimmer
4. Not intended for use with emergency light fixtures or exit lights
5. Use in open fixtures
6. Not to be used in enclosed insulated ceilings
7. All PAR lamps from OSRAM SYLVANIA use polymethyl methacrylate (PMMA) for their lenses. It is a transparent thermoplastic, often used as a lightweight, shatter-resistant alternative to glass.

SYLVANIA



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Base Type	Replaces	Input Voltage (VAC)	Average Rated Life (hrs.) ¹	CCT ²	Typical Lumens (lm) ³	CBCP (cd)	CRI ⁴	Beam Angle	Power Factor	ENERGY STAR [®]
72527	LED7PAR20/DIM/850/FL36	7	Medium	50W PAR20	120	25,000	5000K	430	1,000	86	36°	0.88	No
78427	LED8PAR20/DIM/H/830/NFL25	8	Medium	50W PAR20	120	25,000	3000K	450	1,900	82	25°	0.91	Yes
78428	LED8PAR20/DIM/H/830/FL36	8	Medium	50W PAR20	120	25,000	3000K	450	1,000	82	36°	0.91	Yes
78425	LED8PAR20/DIM/H/827/NFL25	8	Medium	50W PAR20	120	25,000	2700K	450	1,700	82	25°	0.91	Yes
78426	LED8PAR20/DIM/H/827/FL36	8	Medium	50W PAR20	120	25,000	2700K	450	900	82	36°	0.91	Yes
78963	LED10PAR20/DIM/825/WSP20SG	10	Medium	50W PAR20	120	25,000	2500K	550	2,200	80	20°	0.98	No

OSRAM SYLVANIA submits most lamps for ENERGY STAR testing. Early qualification for ENERGY STAR lamps begin at 25,000 hours (L₇₀) regardless that the design of the lamp is manufactured for a greater life expectancy. As the lamps pass ENERGY STAR qualifications, manufacturers are able to increase rated life as dictated by ENERGY STAR guidelines becoming either provisionally qualified or fully qualified. Please visit ENERGYSTAR.gov for more information about testing requirements for ENERGY STAR qualified products.

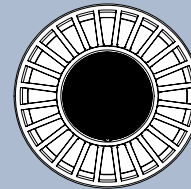
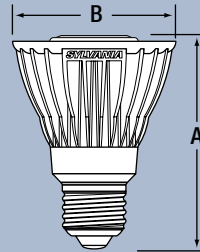
1. Hours lifetime with 70% lumen maintenance 2. Thermally stable typical CCT (±10%)
 3. Thermally stable typical lumens (±10%) 4. CRI – Color Rendering Index

Ordering Guide

LED	8	PAR20	/	DIM	/	H	/	830	/	NFL	25
LED Lamps and Retrofits	Wattage: 7, 8, 10	Lamp Type: PAR20		Dimmable		H: High Output		CRI, CCT: 830: 80+ CRI, 3000K CCT		Beam Type: NFL: Narrow Flood FL: Flood	Beam Angle: 20°, 25° or 36°

Lamp Dimensions

	(A) MOL (inches)	(B) Diameter (inches)
LEDPAR20	3.42	2.50



Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen
LED7PAR20/DIM	25,000	50PAR20	2,500	43	\$118.25	10x
LED8PAR20/DIM	25,000	50PAR20	2,500	42	\$115.00	10x
LED10PAR20/DIM	25,000	50PAR20	2,500	40	\$110.00	10x

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

Sample Specification

Lamp(s) shall be an ULTRA LED PAR20 lamp with a medium base. Lamp(s) shall have an average rated life of 25,000 hours at L₇₀. Lamps should have a typical CRI of 80-82 and lumen output of 430-550.

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SYLVANIA Lighting Services

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Mexico

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