

# ULTRA LED PAR16 Lamps



SYLVANIA has expanded its ULTRA LED lamp offering with the addition of 7W LED PAR16, 36° flood lamps and 10W LED PAR16, 35° flood lamps available in both medium and GU10 base options. Lasting up to 12 times longer than halogen PAR16 lamps, SYLVANIA ULTRA LED PAR16 lamps are a high-quality replacement for 35-60W Halogen PAR16 lamps. They are free of UV and IR radiation, minimizing discoloration and fading of materials. These LED lamps will reduce energy and maintenance costs when compared with conventional halogen light sources.

## Key Features & Benefits

- Long life: rated up to 25,000 hours (L<sub>70</sub>)
- Available in 3000K color temperature
- UV and IR free
- Suitable for damp locations
- RoHS compliant
- Dimmable down to 10%
- Mercury and lead free
- Lasts up to 12 times longer than halogen lamps
- No warm-up time, instant-on with full light output and stable color

\* Performance may vary depending on dimmer used in application. Please refer to Dimmer Compatibility List (RETRO-DIM) for a list of compatible dimmers or visit [www.SYLVANIA.com/LEDretrofit](http://www.SYLVANIA.com/LEDretrofit)



## Product Offering

Ordering Abbreviation	Wattage	Color Temperature	Beam Angle
LED7PAR16/DIM/830/FL36	7	3000K	36°
LED7PAR16/DIM/GU10/830/FL36	7	3000K	36°
LED10PAR16/DIM/830/FL35	10	3000K	35°
LED10PAR16/GU10/DIM/830/FL35	10	3000K	35°

## Application Information

### Applications

- Recessed downlighting
- Track lighting
- Wall washers

### Market Segments

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

### Application Notes

1. Operating temperature range between -4°F and +104°F (-20°C and +40°C) 7W  
Operating temperature range between -4°F and +113°F (-20°C and +45°C) 10W
2. Suitable for outdoor use when used in a UL rated fixture where protected from the weather
3. Not intended for use with emergency light fixtures or exit lights
4. Use in open fixture
5. All PAR lamps from OSRAM SYLVANIA use optical grade plastic lenses, which are a lightweight, shatter-resistant alternative to glass.

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](http://www.sylvania.com/fcc15b).



## 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.) <sup>1</sup>	CCT <sup>3</sup>	Typical Lumens (lm) <sup>2</sup>	CBCP (cd)	CRI <sup>4</sup>	Beam Angle	Power Factor	R9	ENERGY STAR <sup>®</sup>
78965	LED7PAR16/DIM/830/FL36	7	Medium	35PAR16	120	25,000	3000K	350	650	84	36°	0.74	30	No
78964	LED7PAR16/DIM/GU10/830/FL36	7	GU10	35PAR16	120	25,000	3000K	350	650	84	36°	0.74	30	No
78895	LED10PAR16/DIM/830/FL35	10	Medium	60PAR16	120	25,000	3000K	500	1290	80	35°	0.96	25	No
78896	LED10PAR16/GU10/DIM/830/FL35	10	GU10	60PAR16	120	25,000	3000K	500	1290	80	35°	0.96	25	No

OSRAM SYLVANIA submits most lamps for ENERGY STAR testing. Early qualification for ENERGY STAR lamps begin at 25,000 hours (L<sub>70</sub>) 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.

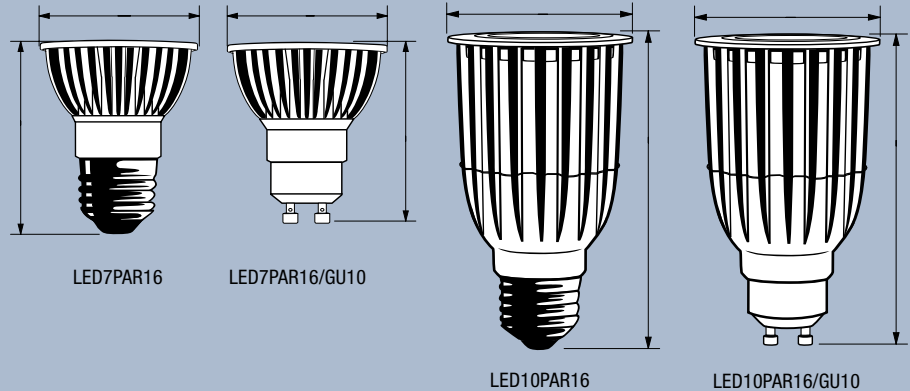
1. Hours lifetime with 70% lumen maintenance    2. Thermally stable typical lumens (±10%)  
 3. Thermally stable typical CCT (±10%)    4. CRI – Color Rendering Index

## Ordering Guide

<b>LED</b>	<b>7</b>	<b>PAR16</b>	<b>/</b>	<b>GU10</b>	<b>/</b>	<b>DIM</b>	<b>/</b>	<b>830</b>	<b>/</b>	<b>FL</b>	<b>36</b>
LED Lamps and Retrofits	Wattage: 7, 10	Lamp Type: PAR16		Base Type: GU10		Dimmable		CRI, CCT: 830: 80+ CRI, 3000K CCT		Beam Type: FL: Flood	Beam Angle: 35° or 36°

## Lamp Dimensions

	MOL (inches)	Diameter (inches)
LED7PAR16	3.0	1.9
LED7PAR16/GU10	2.3	1.9
LED10PAR16	3.4	1.9
LED10PAR16/GU10	3.4	1.9



## Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen
LED7PAR16	25,000	35PAR16	3,000	28	\$77	8.3X
LED10PAR16	25,000	60PAR16	2,000	50	\$137	12.5x

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

## Sample Specification

Lamps shall be SYLVANIA ULTRA LED PAR16 with a 25,000 hour average rated life. Lamps shall be energy efficient, UV & IR free. Should have a beam angle of (35, 36) degrees.

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