

**PHILIPS**

LED

PAR20 Gen 2  
Dimmable



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# Create a seamless look with this sleek design.

## High efficacy dimmable LED reflector lamp

- 6W PAR20 saves 44 watts of energy when compared to a 50W halogen PAR20<sup>1</sup>
- 45,000-hour average design life<sup>2</sup>
- Smooth dimming to 10% of full light levels<sup>3</sup>
- Excellent color rendering
- Instant-on light
- Emits virtually no UV/IR light in the beam
- Contains no mercury

## Easy to experience

- Lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- 5-year limited warranty depending upon operating hours

# Philips LED PAR20 Gen 2 Dimmable Lamps



## Ordering, Electrical and Technical Data (Subject to change without notice)

Prod. No.	Model Number	Ordering Code	Nom. Watts	Volts	Description	Base	CRI	Energy Star® Rated Average Life (hrs) <sup>1</sup>	Approx. Lumens	Approx. MBCP <sup>5</sup>	Est. Energy Cost <sup>6</sup>	Color Temp. (K)	MOL (in.)	Key
45626-9	9290011487	6PAR20/S15 2700 DIM	6	120	Dimmable White 15°	PAR20	80	25,000	430	3600	\$0.72	2700	3.3	A
45604-6	9290011445	6PAR20/F25 2700 DIM	6	120	Dimmable White 25°	PAR20	80	25,000	430	1800	\$0.72	2700	3.3	A
45605-3	9290011446	6PAR20/F25 3000 DIM	6	120	Dimmable White 25°	PAR20	80	25,000	450	1900	\$0.72	3000	3.3	A
45606-1	9290011447	6PAR20/F25 4000 DIM	6	120	Dimmable White 25°	PAR20	80	25,000	470	2000	\$0.72	4000	3.3	A
45607-9	9290011448	6PAR20/F35 2700 DIM	6	120	Dimmable White 35°	PAR20	80	25,000	430	900	\$0.72	2700	3.3	A
45608-7	9290011449	6PAR20/F35 3000 DIM	6	120	Dimmable White 35°	PAR20	80	25,000	450	940	\$0.72	3000	3.3	A
45609-5	9290011450	6PAR20/F35 4000 DIM	6	120	Dimmable White 35°	PAR20	80	25,000	470	980	\$0.72	4000	3.3	A
45610-3	9290011451	6PAR20/F25 2700 DIM B	6	120	Dimmable Black 25°	PAR20	80	25,000	430	1800	\$0.72	2700	3.3	B
45611-1	9290011452	6PAR20/F25 3000 DIM B	6	120	Dimmable Black 25°	PAR20	80	25,000	450	1900	\$0.72	3000	3.3	B

## Shipping Data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty	Weight (lbs.)	Cube (cu. ft.)	Pallet Qty.	Per Layer	Layers High	SKU Dimensions (W x D x H)(in.)	Case Dimensions (W x D x H)(in.)	Pallet Dimensions (W x D x H)(in.)
45626-9	45626-9	45626-4	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45604-6	45604-7	45604-2	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45605-3	45605-4	45605-9	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45606-1	45606-1	45606-6	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45607-9	45607-8	45607-3	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45608-7	45608-5	45608-0	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45609-5	45609-2	45609-7	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45610-	45610-8	45610-3	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2
45611-1	45611-5	45611-0	6	0.82	0.130	2220	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48 x 40 x 47.2

## Energy Saving Solution

### Estimated Lighting Costs Using a Standard 50W Halogen PAR20

Present Wattage	50	W
x Annual Operating Hours	4,000	hrs
=	200,000	watt-hours
+1,000	=	200 kWh per year
x kWh rate of \$0.11	=	\$22.00 per year
x 100 fixtures	=	\$2,200 annual energy cost per space

### Estimated Lighting Costs Using a Philips 6W PAR20 Dimmable LED Lamp

Present Wattage	6	W
x Annual Operating Hours	4,000	hrs
=	24,000	watt-hours
+1,000	=	24 kWh per year
x kWh rate of \$0.11	=	\$2.64 per year
x 100 fixtures	=	\$264 annual energy cost per space

**Total Estimated Annual Savings<sup>4</sup> = \$1,936**

<sup>4</sup> Based on 100 lamps per space operating at 4,000 hours per year.

#### Footnotes:

- Light output of the 6W Philips LED PAR20 Dimmable LED Lamp with AirFlux Technology at 1900 candela compares to a 50W Halogen PAR20 at 1179 candela.
- Rated average life is based on engineering data testing and probability analysis.
- Dimmable when using leading and trailing edge dimmers (see Philips Website: [www.philips.com/ledtechguide](http://www.philips.com/ledtechguide) for compatible leading and trailing edge dimmers).
- Early initial qualification for Energy Star allows for directional lamp life claims of 25,000 hours (L70) with 3,000 hour actual test data, LM80 data and in-situ temperature measurements. As the lamps

This energy saving example shows an application of 100 lamps in a space currently using a 50W Halogen PAR20, operating 4,000 hours per year at a cost of \$0.11 per kWh<sup>1</sup>. Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 halogen 50W Halogen PAR20 lamps with the 6W Philips LED PAR20 Lamps can provide significant energy cost savings of \$1,936 per year! Potential savings from the reduction in HVAC costs as a result of using a lower wattage lamp that emits less heat is an additional benefit not included in this example.

#### WARNINGS AND CAUTIONS

- Suitable for use in damp locations.
- Not for use in totally enclosed luminaires.
- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

**CAUTION:** Risk of electric shock— do not use where directly exposed to water.

**NOTES:** 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. This Class B digital apparatus complies with Canadian ICES-003.

pass Energy Star requirements, manufacturers may increase the lifetime of a product as dictated by Energy Star guidelines. See [http://www.energystar.gov/index.cfm?fuseaction=products\\_for\\_partners.showLightbulbs](http://www.energystar.gov/index.cfm?fuseaction=products_for_partners.showLightbulbs) for further details.

<sup>5</sup> Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.

<sup>6</sup> Based on 3 hrs/day.

ENERGY STAR® Certified LED Lamp.



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