

Philips PAR20
Dimmable LED Lamps
with AirFlux Technology

*Ideal for general and accent
lighting in retail, hospitality,
office and residential spaces*

LED



A smooth design solution for a seamless look

Philips PAR20 Dimmable LED Lamps with AirFlux Technology provide optimal thermal efficiency in a sleek, lightweight design.

High efficacy dimmable LED reflector lamp

- 8W PAR20 saves 42 watts of energy when compared to a 50W halogen PAR20†
- 45,000-hour rated average life¹
- Smooth dimming to 10% of full light levels*
- Excellent color rendering of 84 CRI
- 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
- 3-year or 5-year limited warranty depending upon operating hours

(†, 1, * See back page for footnotes)

PHILIPS

Philips PAR20 Dimmable LED Lamps with AirFlux Technology

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

Product Number	Ordering Code	Nom. Watts	Volts	Description	Lamp Type	Base	Rated Avg. Life (Hrs.) ¹	Approx. Lumens ³	Approx. MBCP ²	CRI	Color Temp. (Kelvin)	MOL (In.)
Standard Halogen PAR20 50W ENERGY STAR [®] Equivalent ³												
42612-2	8PAR20/END/F25 2700 DIM 6/1	8	120	PhilipsLED Dimmable PAR20 25°	PAR20	Medium	45000	450	2300	84	2700	3.5
42613-0	8PAR20/END/F25 3000 DIM 6/1	8	120	PhilipsLED Dimmable PAR20 25°	PAR20	Medium	45000	470	2400	84	3000	3.5
42614-8	8PAR20/END/F25 4000 DIM 6/1	8	120	PhilipsLED Dimmable PAR20 25°	PAR20	Medium	45000	470	2400	84	4000	3.5
42615-5	8PAR20/END/F36 2700 DIM 6/1	8	120	PhilipsLED Dimmable PAR20 36°	PAR20	Medium	45000	450	2300	84	2700	3.5
42616-3	8PAR20/END/F36 3000 DIM 6/1	8	120	PhilipsLED Dimmable PAR20 36°	PAR20	Medium	45000	470	2400	84	3000	3.5
42617-1	8PAR20/END/F36 4000 DIM 6/1	8	120	PhilipsLED Dimmable PAR20 36°	PAR20	Medium	45000	470	2400	84	3000	3.5

Shipping Data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Cube (cu. ft.)	Pallet Qty.	SKUs 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.)
42612-2	426125	426120	6	1.3	0.176	1200	150	8	2.5 x 2.5 x 3.6	9.8 x 7.2 x 4.3	47.2 x 39.4 x 40.2
42613-0	426132	426137	6	1.3	0.176	1200	150	8	2.5 x 2.5 x 3.6	9.8 x 7.2 x 4.3	47.2 x 39.4 x 40.2
42614-8	426149	426144	6	1.3	0.176	1200	150	8	2.5 x 2.5 x 3.6	9.8 x 7.2 x 4.3	47.2 x 39.4 x 40.2
42615-5	426156	426151	6	1.3	0.176	1200	150	8	2.5 x 2.5 x 3.6	9.8 x 7.2 x 4.3	47.2 x 39.4 x 40.2
42616-3	426163	426168	6	1.3	0.176	1200	150	8	2.5 x 2.5 x 3.6	9.8 x 7.2 x 4.3	47.2 x 39.4 x 40.2
42617-1	426170	426175	6	1.3	0.176	1200	150	8	2.5 x 2.5 x 3.6	9.8 x 7.2 x 4.3	47.2 x 39.4 x 40.2

- 1) Rated average life is based on engineering data testing and probability analysis.
- 2) Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
- 3) All Philips LED PAR equivalencies for light output are based upon the ENERGY STAR[®] Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: www.EnergyStar.gov/LEDBulbs, LED Light bulbs for Partners, Program Requirements PDF, Pg 11.

- Footnotes from front:
- 1) Rated average life is based on engineering data testing and probability analysis.
 - * Dimmable when using leading edge dimmers (see Philips Website: www.philips.com/ledtechguide for compatible leading edge dimmers).
 - † Light output of the 8W Philips LED PAR20 Dimmable LED Lamp with AirFlux Technology at 2400 candela compares to a 50W Halogen PAR20 at 1179 candela.

Energy Efficiency

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 lamps per space	= \$2,200 annual energy cost per space

Estimated Lighting Costs Using a Philips 8W PAR20 Dimmable LED Lamps	
Present Wattage	8 W
x Annual Operating Hours	4,000 hrs
=	32,000 watt-hours
+1,000	= 32 kWh per year
x kWh rate of \$0.11	= \$3.52 per year
x 100 lamps per space	= \$352 annual energy cost per space

Total Estimated Annual Savings[⊖] = \$1,848

⊖ Based on 100 lamps per space operating at 4,000 hours per year.

This energy saving example shows an application of 100 lamps in a space currently using a 50W Halogen PAR20, operating 3,000 hours per year at a cost of \$0.11 per kWh.[†] Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 halogen 50W Halogen PAR20 lamps with the 8W Philips LED PAR20 Lamps can provide significant energy cost savings of \$1,848 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.

† Light output of the 8W Philips LED PAR20 Dimmable LED Lamp with AirFlux Technology at 2400 candela compares to a 50W Halogen PAR20 at 1179 candela.

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 18 of the FCC rule. This product may cause interference with other devices. If interference occurs, change the location of the products involved. This RFLD device complies with Canadian ICES-005.



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