

Philips PAR38  
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 PAR38 Dimmable LED Lamps with AirFlux Technology provide optimal thermal efficiency in a sleek, lightweight design.

### High efficacy dimmable LED reflector lamp

- 19.5W PAR38 saves 100.5 watts of energy when compared to a 120W halogen PAR38†
- 45,000-hour rated average life<sup>1</sup>
- Smooth dimming to 10% of full light levels\*
- Excellent color rendering of 83 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 second page for footnotes)

# PHILIPS

# Philips PAR38 Dimmable LED Lamps with AirFlux Technology

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

Product Number	Ordering Code	Nom. Watts	Volts	Lamps per SKU	Description	Lamp Type	Base	Rated Avg. Life (Hrs.) <sup>1</sup>	Approx. Lumens <sup>2</sup>	Approx. MBCP <sup>2</sup>	CRI	Color Temp. (Kelvin)	MOL (In.)
<b>Standard Halogen PAR38 90W ENERGY STAR<sup>®</sup> Equivalent<sup>3</sup></b>													
▶ 42540-5	18PAR38/END/S15 2700 DIM	18	120	1	PhilipsLED Dimmable PAR38 15°	PAR38	Medium	45000	900	7300	83	2700	5.2
▶ 42541-3	18PAR38/END/S15 3000 DIM	18	120	1	PhilipsLED Dimmable PAR38 15°	PAR38	Medium	45000	950	7700	83	3000	5.2
▶ 42542-1	18PAR38/END/S15 4000 DIM	18	120	1	PhilipsLED Dimmable PAR38 15°	PAR38	Medium	45000	950	7700	83	4000	5.2
■ 42051-3	18PAR38/END/F25 2700 DIM	18	120	1	PhilipsLED Dimmable PAR38 25°	PAR38	Medium	25000	900	3900	83	2700	5.2
■ 42052-1	18PAR38/END/F25 3000 DIM	18	120	1	PhilipsLED Dimmable PAR38 25°	PAR38	Medium	25000	950	4100	82	3000	5.2
▶ 42543-9	18PAR38/END/F25 4000 DIM	18	120	1	PhilipsLED Dimmable PAR38 25°	PAR38	Medium	45000	950	3990	83	3000	5.2
■ 42088-5	18PAR38/END/F36 2700 DIM	18	120	1	PhilipsLED Dimmable PAR38 36°	PAR38	Medium	25000	900	2050	83	2700	5.2
■ 42089-3	18PAR38/END/F36 3000 DIM	18	120	1	PhilipsLED Dimmable PAR38 36°	PAR38	Medium	25000	950	2200	84	3000	5.2
▶ 42544-7	18PAR38/END/F36 4000 DIM	18	120	1	PhilipsLED Dimmable PAR38 36°	PAR38	Medium	45000	950	2200	84	4000	5.2
<b>Standard Halogen PAR38 120W ENERGY STAR<sup>®</sup> Equivalent<sup>3</sup></b>													
▶ 42545-4	19.5PAR38/END/S15 2700 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 15°	PAR38	Medium	45000	1100	9100	83	2700	5.2
▶ 42547-0	19.5PAR38/END/S15 3000 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 15°	PAR38	Medium	45000	1200	10000	83	3000	5.2
▶ 42549-6	19.5PAR38/END/S15 4000 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 15°	PAR38	Medium	45000	1200	10000	83	4000	5.2
■ 42121-4	19.5PAR38/END/F25 2700 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 25°	PAR38	Medium	25000	1100	5400	84	2700	5.2
■ 42122-2	19.5PAR38/END/F25 3000 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 25°	PAR38	Medium	25000	1200	5900	83	3000	5.2
■ 42335-0	19.5PAR38/END/F25 4000 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 25°	PAR38	Medium	25000	1200	5800	83	4000	5.2
▶ 42546-2	19.5PAR38/END/F36 2700 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 36°	PAR38	Medium	45000	1100	2310	84	2700	5.2
▶ 42548-8	19.5PAR38/END/F36 3000 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 36°	PAR38	Medium	45000	1200	2520	83	3000	5.2
▶ 42550-4	19.5PAR38/END/F36 4000 DIM	19.5	120	1	PhilipsLED Dimmable PAR38 36°	PAR38	Medium	45000	1200	2520	83	4000	5.2

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<sup>®</sup> Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: [www.EnergyStar.gov/LEDbulbs](http://www.EnergyStar.gov/LEDbulbs), LED Light bulbs for Partners, Program Requirements PDF, Pg. 11.

▶ Make to Order.

■ This lamp is ENERGY STAR<sup>®</sup> Qualified.

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](http://www.philips.com/ledtechguide) for compatible leading edge dimmers).

† Light output of the 19.5W LED PAR38 compares to the 120W halogen PAR38 based upon the ENERGY STAR<sup>®</sup> Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at [www.EnergyStar.gov/LEDbulbs](http://www.EnergyStar.gov/LEDbulbs), LED Light Bulbs for Partners, Program Requirements PDF Pg. 11.

# Philips PAR38 Dimmable LED Lamps with AirFlux Technology

## 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.)
42540-5	42540-1	42540-6	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42541-3	42541-8	42541-3	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42542-1	42542-5	42542-0	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42051-3	42051-2	42051-7	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42052-1	42052-9	42052-4	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42543-9	42543-2	42543-7	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42088-5	42088-8	42088-3	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42089-3	42089-5	42089-0	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42544-7	42544-9	42544-4	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42545-4	42545-6	42545-1	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42547-0	42547-0	42547-5	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42549-6	42549-4	42549-9	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42121-4	42121-2	42121-7	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42122-2	42122-9	42122-4	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42335-0	42335-3	42335-8	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42546-2	42546-3	42546-8	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42548-8	42548-7	42548-2	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42550-4	42550-0	42550-5	6	7.35	0.641	324	54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0

## Energy Efficiency

Estimated Lighting Costs Using a Standard 120W Halogen PAR38		
Present Wattage		120 W
x Annual Operating Hours		4000 hrs
	=	480,000 watt-hours
+1,000	=	480 kWh per year
x kWh rate of \$0.11	=	\$52.80 per year
x 100 lamps per space	=	\$5280 annual energy cost per space

Estimated Lighting Costs Using a Philips 19.5W PAR38 Dimmable LED Lamps		
Present Wattage		19.5 W
x Annual Operating Hours		4,000 hrs
	=	78,000 watt-hours
+1,000	=	78 kWh per year
x kWh rate of \$0.11	=	\$8.58 per year
x 100 lamps per space	=	\$858 annual energy cost per space

**Total Estimated Annual Savings<sup>o</sup>** = **\$4,422**

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

### 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.

This energy saving example shows an application of 100 lamps in a space currently using a 120W halogen PAR38, operating 4,000 hours per year at a cost of \$0.11 per kWh.<sup>†</sup> Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 halogen 120W PAR38 lamps with the Philips 19.5W PAR38 Dimmable LED Lamps can provide significant energy cost savings of \$4,422 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.

<sup>†</sup> Light output of the 19.5W PAR38 Dimmable LED Lamp with AirFlux Technology at 5400 candela compares to a 120W halogen PAR38 at 2485 candela.





© 2012 Philips Lighting Company. A Division of  
Philips Electronics North America Corporation.

All rights reserved.  
Printed in USA 10/12

P-6412-A

[www.philips.com/airflux](http://www.philips.com/airflux)

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
1-800-555-0050

Philips Lighting  
281 Hillmount Road  
Markham, Ontario  
Canada L6C 2S3  
1-800-555-0050

A Division of Philips Electronics Ltd.