

# Accent and general lighting

Philips LED Single Optic PAR38 Lamps with AirFlux Technology improves visual experience with superior lighting aesthetics and optimal thermal efficiency in a sleek, lightweight design.

## Features

- Single Optic lamps deliver greater visual comfort and increase merchandise “pop”
- Sleek, lightweight, finless design
- Excellent light output and candle power
- Emit virtually no UV/IR light in the beam
- Uniform beam distribution
- Smooth dimming to 10% of full light levels\*
- Contains no mercury

## Benefits

- Single Optic maximizes focus on merchandise with improved visual comfort
- Blend seamlessly into existing luminaires
- Will not fade colors, avoids inventory spoilage
- Create contrast and depth
- Long life—reduced maintenance cost
- Low energy use and waste—better for the environment

## Applications

- Track and recessed luminaires
- Accent and general lighting in retail, hospitality, office, museum and residential spaces

\* Dimmable when using leading and trailing edge dimmers. See Philips Website ([www.philips.com/ledtechguide](http://www.philips.com/ledtechguide)) for compatible dimmers.



## Single Optic PAR38 LED lamps



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

Product Number	Ordering Description	Nom. Watts (W)	Bulb	Base	Volts	Beam Angle	Life <sup>1</sup> (hours)	Approx. Lumens <sup>2</sup>	Approx. MBCP <sup>2,3</sup>	CRI	Color Temp. (Kelvin)	MOL (in.)	Key	
<b>PAR38 LED – Standard Halogen 90W ENERGY STAR® Equivalent†</b>														
45343-1	15PAR38/F25 3000 ULW DIM 6/1	15	PAR38	Med.	120	25°	25,000	1050	4400	80	3000	5.2	A	
													<b>Gen. 2</b>	
45472-8	13PAR38/F25/827 DIM AF SO	13	PAR38	Med.	120	25°	50,000	900	5300	80	2700	5.2	B	
45473-6	13PAR38/F25/830 DIM AF SO	13	PAR38	Med.	120	25°	50,000	950	5500	80	3000	5.2	B	
45474-4	13PAR38/F35/827 DIM AF SO	13	PAR38	Med.	120	35°	50,000	900	2600	80	2700	5.2	B	
45475-1	13PAR38/F35/830 DIM AF SO	13	PAR38	Med.	120	35°	50,000	950	2750	80	3000	5.2	B	
<b>PAR38 LED – Standard Halogen 120W ENERGY STAR® Equivalent†</b>														
													<b>Gen. 2</b>	
43535-4	17PAR38/S15/827 DIM AF SO	17	PAR38	Med.	120	15°	50,000	1200	10000	80	2700	5.2	B	
43536-2	17PAR38/S15/830 DIM AF SO	17	PAR38	Med.	120	15°	50,000	1250	10500	80	3000	5.2	B	
43537-0	17PAR38/S15/840 DIM AF SO	17	PAR38	Med.	120	15°	50,000	1300	11000	80	4000	5.2	B	
43538-8	17PAR38/F25/827 DIM AF SO	17	PAR38	Med.	120	25°	50,000	1200	6800	80	2700	5.2	B	
43539-6	17PAR38/F25/830 DIM AF SO	17	PAR38	Med.	120	25°	50,000	1250	7100	80	3000	5.2	B	
43540-4	17PAR38/F25/840 DIM AF SO	17	PAR38	Med.	120	25°	50,000	1300	7500	80	4000	5.2	B	
43541-2	17PAR38/F35/827 DIM AF SO	17	PAR38	Med.	120	35°	50,000	1200	3200	80	2700	5.2	B	
43542-0	17PAR38/F35/830 DIM AF SO	17	PAR38	Med.	120	35°	50,000	1250	3400	80	3000	5.2	B	
43543-8	17PAR38/F35/840 DIM AF SO	17	PAR38	Med.	120	35°	50,000	1300	3600	80	4000	5.2	B	
45966-9	17PAR38/827/F25 DIM AF SO-B	17	PAR38	Med.	120	25°	50,000	1200	6800	80	2700	3.5	C	
45967-7	17PAR38/830/F25 DIM AF SO-B	17	PAR38	Med.	120	25°	50,000	1250	7100	80	3000	3.5	C	
45968-5	17PAR38/830/F25 DIM AF SO-S	17	PAR38	Med.	120	25°	50,000	1250	7100	80	3000	3.5	D	
<b>PAR38 LED – Standard Halogen 120W ENERGY STAR® Equivalent†</b>														
													<b>Gen. 1</b>	
x	43298-8	19PAR38/F25 2700 DIM AF SO-B	19	PAR38	Med.	120	25°	50,000	1190	6000	80	2700	5.2	C
x	43299-6	19PAR38/F25 3000 DIM AF SO-B	19	PAR38	Med.	120	25°	50,000	1250	6500	80	3000	5.2	C
x	43201-3	19PAR38/F25 3000 DIM AF SO-S	19	PAR38	Med.	120	25°	50,000	1250	6500	80	3000	5.2	D
x	43139-5	19PAR38/F25 3500 DIM AF SO	19	PAR38	Med.	120	25°	50,000	1300	7500	85	3500	5.2	B
x	43140-3	19PAR38/F35 3500 DIM AF SO	19	PAR38	Med.	120	35°	50,000	1300	3600	85	3500	5.2	B

1. Life is based on engineering testing and probability analysis.

2. Based on photometric testing consistent with IES LM-79.

3. Maximum Beam Candle Power.

● Uses AirFlux Technology.

■ ENERGY STAR® Certified LED Lamp.

x Orders will be shipped until inventory is depleted; no longer manufactured.

† All Philips LED PAR, BR, and MR16 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](http://www.ENERGYSTAR.gov/LEDbulbs), LED Light Bulbs for Partners, Program Requirements PDF, Page 11. A-shape and decorative candles are calculated on lumen values, not the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool.

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

Replacing 100 halogen 120W PAR38 lamps with Philips 17W LED PAR38 lamps can provide significant energy cost savings of \$4,532.00 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.

Saving Solution		
Estimated Lighting Costs Using a...	Standard 120W PAR38 Halogen Lamp	Philips 17W LED PAR38 Lamp
Present Wattage	120 Watts	17 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 480,000 watt-hours	= 68,000 watt-hours
±1,000 =	= 480 kWh per year	= 68 kWh per year
x kWh rate of \$0.11	= \$52.80 per year	= \$7.48 per year
x 100 lamps per space	= \$5,280.00 annual energy cost per space	= \$748.00 annual energy cost per space
	<b>Total Estimated Annual Savings<sup>B</sup></b>	<b>= \$4,532.00</b>

A) The 17W LED PAR38 at 7500 candela compared to the 120W halogen PAR38 at 5382 candela.

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

**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.	Lamps/ SKU	SKUs/ 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.)
<b>PAR38 LED – Standard Halogen 90W ENERGY STAR® Equivalent</b>												
45343-1	45343-5	45343-0	6	1.8	0.432	504	1	72	7	5.2 x 3.5 x 7.1	15.3 x 6.1 x 8.0	47.2 x 39.4 x 37.5
<b>PAR38 LED – Standard Halogen 90W ENERGY STAR® Equivalent Gen. 2</b>												
45472-8	45472-2	43003-5	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
45473-6	45473-9	43004-2	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
45474-4	45474-6	43005-9	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
45475-1	45475-3	43006-6	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
<b>PAR38 LED – Standard Halogen 120W ENERGY STAR® Equivalent Gen. 2</b>												
43535-4	43535-6	43007-3	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43536-2	43536-3	43008-0	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43537-0	43537-0	43009-7	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43538-8	43538-7	43538-2	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43539-6	43539-4	43539-9	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43540-4	43540-0	43540-5	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43541-2	43541-7	43541-2	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43542-0	43542-4	43542-9	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
43543-8	43543-1	43543-6	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
45966-9	45966-6	45966-1	6	6.11	0.550	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.3 x 49.5
45967-7	45967-3	45967-8	6	6.11	0.550	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.3 x 49.5
45968-5	45968-0	45968-5	6	6.11	0.550	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.3 x 49.5
<b>PAR38 LED – Standard Halogen 120W ENERGY STAR® Equivalent Gen. 1</b>												
43298-8	43298-0	43298-5	6	7.35	0.641	324	1	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
43299-6	43299-7	43299-2	6	7.35	0.641	324	1	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
43201-3	43201-0	43201-5	6	7.35	0.641	324	1	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
43139-5	43139-6	43139-1	6	7.35	0.641	324	1	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
43140-3	43140-2	43140-7	6	7.35	0.641	324	1	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

See bottom of page 51 for Warnings, Cautions and Instructions.