

Accent lighting

Philips LED GU10, PAR16 and PAR20 Lamps provide intensity and punch in a compact size

Features

- Emits virtually no UV/IR light in the beam
- Uniform beam distribution
- Smooth dimming to 10% of full light levels*
- Contains no mercury
- PAR20 available in 15°, 25° or 35° beam angle
- AirFlux technology for sleek, lightweight design
- Select PAR20 lamps available in black finish

Benefits

- Will not fade colors, avoids inventory spoilage
- Focus light where it's needed most
- 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 and hospitality spaces
- Difficult to reach and maintain applications

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





GU10, PAR16 and PAR20 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 ¹ (hours)	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key	
Standard Halogen GU10 50W ENERGY STAR® Equivalent†														
□	45440-5	4.5GU10/LED/830/F25 DIM	4.5	PAR16	GU10	120	25°	25,000	315	2300	80	3000	2.3	A
□	45765-5	5GU10/LED/827-22/F35/DIM	5	PAR16	GU10	120	35°	25,000	400	700	80	3000	2.3	A
Standard Halogen PAR16 50W ENERGY STAR® Equivalent†														
□	45437-1	4.5PAR16/AMB/830/DIM	4.5	PAR16	Med.	120	25°	25,000	315	2300	80	3000	2.9	B
Standard Halogen PAR20 50W ENERGY STAR® Equivalent†														
●	45626-9	6PAR20/S15 2700 DIM	6	PAR20	Med.	120	15°	25,000	430	3600	80	2700	3.5	C
●	45604-6	6PAR20/F25 2700 DIM	6	PAR20	Med.	120	25°	25,000	430	1800	80	2700	3.5	C
●	45605-3	6PAR20/F25 3000 DIM	6	PAR20	Med.	120	25°	25,000	450	1900	80	3000	3.5	C
●	45606-1	6PAR20/F25 4000 DIM	6	PAR20	Med.	120	25°	25,000	470	2000	80	4000	3.5	C
●	45607-9	6PAR20/F35 2700 DIM	6	PAR20	Med.	120	35°	25,000	430	900	80	2700	3.5	C
●	45608-7	6PAR20/F35 3000 DIM	6	PAR20	Med.	120	35°	25,000	450	940	80	3000	3.5	C
●	45609-5	6PAR20/F35 4000 DIM	6	PAR20	Med.	120	35°	25,000	470	980	80	4000	3.5	C
●	45610-3	6PAR20/F25 2700 DIM B	6	PAR20	Med.	120	25°	25,000	430	1800	80	2700	3.5	D
●	45611-1	6PAR20/F25 3000 DIM B	6	PAR20	Med.	120	25°	25,000	450	1900	80	3000	3.5	D

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.

□ ENERGY STAR® Test in progress.

† 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, 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 50W halogen PAR20 lamps, operating 4,000 hours per year at a cost of \$0.11 per kWh.^A Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 50W halogen PAR20 lamps with Philips 6W LED PAR20 lamps can provide significant energy cost savings of \$1,936.00 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 50W Halogen PAR20 Lamp	Philips 6W LED PAR20 Lamp
Present Wattage	50 Watts	6 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 200,000 watt-hours	= 24,000 watt-hours
÷1,000 =	= 200 kWh per year	= 24 kWh per year
x kWh rate of \$0.11	= \$22.00 per year	= \$2.64 per year
x 100 lamps per space	= \$2,200.00 annual energy cost per space	= \$264.00 annual energy cost per space
	Total Estimated Annual Savings^B	= \$1,936.00

A) The 6W LED PAR20 at 1900 candela compared to the 50W halogen PAR20 at 1179 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.)
Standard Halogen GU10 50W ENERGY STAR® Equivalent												
45440-5	45440-1	45440-6	10	1.5	0.08	4560	1	380	12	2.0 x 2.0 x 2.4	10.5 x 4.4 x 3.0	47.2 x 39.4 x 42.3
45765-5	45765-5	45765-0	10	3.26	0.08	4560	1	380	12	2.0 x 2.0 x 2.4	10.5 x 4.4 x 3.0	47.2 x 39.4 x 42.3
Standard Halogen PAR16 50W ENERGY STAR® Equivalent[†]												
45437-1	45437-1	45437-6	4	1.19	0.260	576	1	144	4	2.0 x 4.7 x 8.0	9.4 x 5.4 x 8.7	47.2 x 39.4 x 40.6
Standard Halogen PAR20 50W ENERGY STAR® Equivalent												
												Gen 2
45626-9	45626-9	45626-4	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45604-6	45604-7	45604-2	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45605-3	45605-4	45605-9	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45606-1	45606-1	45606-6	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45607-9	45607-8	45607-3	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45608-7	45608-5	45608-0	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45609-5	45609-2	45609-7	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45610-3	45610-8	45610-3	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2
45611-1	45611-5	45611-0	6	0.82	0.130	2220	1	222	10	2.6 x 2.6 x 3.5	8.4 x 5.8 x 4.6	48.0 x 40.0 x 47.2

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