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# Omni-directional 3-way and dimmable A shape bulbs, **an energy saving alternative to popular incandescents**

Philips LED A-shape dimmable and 3-way lamps are a great alternative to standard incandescent lamps. The unique lamp design provides omni-directional light with excellent dimming performance.

These lamps are ideal for decorative and ambient lighting in retail outlets, hotels, restaurants, government buildings, and multi-unit residences.

# Philips LED A-shape dimmable and 3-way lamps

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## Benefits

- Long life lowers maintenance costs by reducing re-lamp frequency
- Some models can be used in enclosed fixtures<sup>8</sup>
- Will not fade colors, avoids inventory spoilage
- 3-year limited warranty depending upon operating hours<sup>9</sup>
- Certain lamps dim from 2700K to 2200K creating a warm glow

Contains no mercury

## Features

- New 6.5W design is ENERGY STAR<sup>®</sup> Qualified, and replaces a 40W incandescent equivalent A19 bulb<sup>1</sup>
- 9.5W A19 lamp replaces a 60W standard incandescent equivalent A19 bulb<sup>2</sup>
- 14W A21 lamp replaces a 75W standard incandescent equivalent A21 bulb<sup>3</sup>
- 18W A21 lamp replaces a 100W standard incandescent equivalent A21 bulb<sup>4</sup>
- 3-Way lamp delivers light equivalent to either a 40W, 60W or 100W incandescent bulb when used with a standard 3-way socket or luminaire<sup>5</sup>
- Smooth dimming to 10% of full light levels<sup>6</sup>
- 25,000 hour rated average life<sup>7</sup>
- Some models can be used in enclosed fixtures<sup>8</sup>
- Emits virtually no UV/IR light in the beam
- Contains no mercury

\* See page 3 for footnotes.

# Philips LED A-shape dimmable and 3-way lamps

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

Product Number	Order Code	Model Number	Nom. Watts	Volts	Enclosed Fixture	Lamp Type	Base	LED Lifetime (Hrs.) <sup>7</sup>	Approx. Lumens <sup>10</sup>	CRI	Color Temp. (K)	Dim.	MOL (in.)
<b>Standard A19 Incandescent 40W Energy Star® Equivalency<sup>1</sup></b>													
45576-6	6.5A19/2200-2700 DIM	9290011347	6.5	120V	No	A19	Medium	25,000	450	80	2700-2200	Y	4.0
45405-8	5.5A19/LED/5000 DIM	9290011178	5.5	120V	No	A19	Medium	25,000	450	80	5000	Y	4.0
<b>Standard A19 Incandescent 60W Energy Star® Equivalency<sup>2</sup></b>													
45582-4	9.5A19/2200-2700 DIM	9290011345	9.5	120V	Yes	A19	Medium	25,000	800	80	2700-2200	Y	4.0
45905-7	9A19/LED/830/DIM	9290011792	9	120V	Yes	A19	Medium	25,000	800	80	3000	Y	4.0
45588-1	9A19/LED/850/DIM 120V	9290011346	9	120V	Yes	A19	Medium	25,000	800	80	5000	Y	4.0
<b>Standard A21 Incandescent 75W Energy Star® Equivalency<sup>3</sup></b>													
45907-3	14A21/LED/827-22/DIM	9290011839	14	120V	No	A21	Medium	25,000	1100	80	2700-2200	Y	5.3
<b>Standard A21 Incandescent 100W Energy Star® Equivalency<sup>4</sup></b>													
45911-5	18A21/LED/827-22/DIM	9290011741	18	120V	No	A21	Medium	25,000	1600	80	2700-2200	Y	5.3
<b>Standard A21 40W/60W/100W ENERGY STAR Equivalent<sup>5</sup></b>													
45916-4	18A21/LED/827 3WAY	9290011742	5/8/18	120V	No	A21	Medium	25,000	450/800/1600	80	2700	N	5.3

## 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 Volume (cu.ft.)	Pallet Qty.	SKUs per Layer	Layers High	SKU Dimensions (L x W x H) (In.)	Case Dimensions (L x W x H) (In.)	Pallet Dimensions (L x W x H) (In.)
45576-6	45576-7	45576-2	6	0.130	6	1584	264	6	2.4 x 2.4 x 4.9	7.7 x 5.3 x 5.5	47.2 x 39.4 x 38.8
45405-8	45405-0	45405-5	6	0.130	6	1584	264	6	2.4 x 2.4 x 4.9	7.7 x 5.3 x 5.5	47.2 x 39.4 x 38.8
45582-4	45582-8	45582-3	6	0.130	6	1584	264	6	2.4 x 2.4 x 4.9	7.7 x 5.3 x 5.5	47.2 x 39.4 x 38.8
45905-7	45905-5	45905-0	6	0.130	6	1584	264	6	2.4 x 2.4 x 4.9	7.7 x 5.3 x 5.5	47.2 x 39.4 x 38.8
45588-1	45588-0	45588-5	6	0.130	6	1584	264	6	2.4 x 2.4 x 4.9	7.7 x 5.3 x 5.5	47.2 x 39.4 x 38.8
45907-3	45907-9	45907-4	6	0.179	6	1224	204	6	2.7 x 2.7 x 5.4	8.6 x 5.9 x 6.1	47.2 x 39.4 x 42.6
45911-5	45911-6	45911-1	6	0.179	6	1224	204	6	2.7 x 2.7 x 5.4	8.6 x 5.9 x 6.1	47.2 x 39.4 x 42.6
45916-4	45916-1	45916-6	6	0.179	6	1224	204	6	2.7 x 2.7 x 5.4	8.6 x 5.9 x 6.1	47.2 x 39.4 x 42.6

## Energy Saving Solution

### Estimated Lighting Costs Using a standard 100W Incandescent A21 Lamp

Present Wattage	100 W
× Annual operating hours	4,000 hrs
=	400,000 Watt-Hours
÷ 1,000	= 400 kWh per year
× kWh rate of \$0.11	= \$44.00 per year
× 100 lamps	\$4,400.00 annual energy cost per space

### Estimated Lighting Costs Using a Philips 18W LED A21 Lamp

Present Wattage	18 W
× Annual operating hours	4,000 hrs
=	72,000 Watt-Hours
÷ 1,000	= 72 kWh per year
× kWh rate of \$0.11	= \$7.92 per year
× 100 lamps	\$792.00 annual energy cost per space

**Total estimated annual savings<sup>6</sup> \$3,608.00**

† 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 100 incandescent 100W, 1600 lumen A21 lamps, operating 4,000 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 standard incandescent 100W 1600 lumen A-lamps with Philips 18W Philips LED A21 lamps can provide significant energy cost savings of \$3,608.00 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.

- When comparing this 6.5W LED A19 having 450 lumens to the standard 40W incandescent A19 having 400 lumens.
- When comparing this 9.5W LED A19 having 800 lumens to the standard 60W incandescent A19 having 800 lumens.
- When comparing this 14W LED A21 having 1100 lumens to the standard 75W incandescent A21 having 1100 lumens.
- When comparing this 18W Philips LED A21 having 1600 to the standard 100W incandescent A21 having 1600 lumens.
- When comparing this 3-Way Philips LED lamp to a standard 3-way incandescent lamp that produces 400 lumens (at 40W), 800 lumens (at 60W), and 1600 lumens (at 100W)
- Dimmable (see Philips Website: <http://www.philips.com/ledtechguide> for compatible dimmers).
- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50,L70).
- See Technical Application Guide for complete details. Only 60W Energy Star equivalent lamps are rated for enclosed fixtures. All lamps include an over temperature protection (OTP) feature that systematically reduces the lamp power and consequently its internal temperature should it be subjected to abnormally high ambient temperature conditions.
- See limited warranty for details/restrictions.
- Based on photometric testing consistent with IES LM-79.
  - This lamp is ENERGY STAR® Certified.
  - ENERGY STAR® Test in progress.
- Light dims to a warm glow, similar to incandescent

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**NOTES:** This device complies with Part 15 of the FCC rule. Operation is subject to the following two conditions:  
(1) 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.



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