Energy savings that inspire

Philips LED Lamps brochure

PHILIPS

Contents



Transforming LED lighting

Philips is driving the switch to energy-efficient solutions, and shaping the future with exciting new lighting applications and technologies.

More than that, we care about your success. Getting it right means relying on a leader in quality product design with a solid track record.

We understand lighting

Philips is a leading authority on LEDs, investing deeply in research and product solutions. It's more than a mastery of technology—it's knowing what people need. We call it meaningful innovation, and Philips LED technology reflects this commitment.

Our expertise is total integration of concept and design, manufacturing, and delivery of illumination. Philips innovates with lamps, ballasts, drivers, controls, luminaires and dynamic solutions—delivering product performance and reliability.

Creating meaningful solutions

LED lighting is changing the world. And Philips is driving this transformation with a whole new world of light. At Philips, every innovation is driven by the needs of the people, to help them feel more comfortable and to improve the functionality of their surroundings.

The Philips LED line of screw-in and twist-in retrofits brings all the benefits of LEDs to your current luminaires and systems. They are backed by our technological leadership, extensive experience in designing and deploying LED lighting solutions, our market-driven system infrastructure, and the customer care you expect from Philips.

A quality approach to LED lighting

Quality design and components The unique performance characteristics of LED lighting demand careful integration of both quality components and design. Philips design addresses key issues of heat management and overall lifespan, combining leading research and product advances in optics, electrical LED packages, lamp shape and heat.

Product testing and compliance Behind our LED innovation is our commitment to reliability, and to environmental and regulatory standards and codes. Philips conducts third-party testing of LEDs for long-term, thermally stable lumen performance.

Life-cycle performance and payback The LED line of lighting products is designed as simple, energy efficient retrofit replacements of existing less efficient technology, and can reduce installation cost and complexity. The immediate payoff is bright white lighting. Long term, you can save on energy costs and cut maintenance and relamping costs. And, it's a sustainable choice, too.

We're making LED lighting work better

It requires market leading expertise in LED technology, and an understanding of the complexities and challenges critical to the development of effective LED lighting to be a global market leader. Our experience and proficiency is put to work to bring you a better LED lamp. At Philips we continue to evolve in order to bring industry leading products to meet the needs of our customers.

Function and aesthetics

The new generation of LED retrofit lamps now includes AirFlux Technology. Taking thermal management to a new level, AirFlux technology uses the air around the lamp to cool the LEDs without the use of a finned heat sink. The new innovative sleek design complements the existing luminaire while blending into the ceiling—leaving an environment the way it was intended to be seen and experienced.

- Smooth white finish and lightweight design blends into your ceilings
- Specialized airflow design allows for a "finless" housing

airflux TECHNOLOGY

What goes into Philips LED Lamps with AirFlux Technology?

Four leading technologies combine to make LED lamps excel: Optics, LEDs, Integral Driver, and Thermal Management.

Optics: Philips uses precise optical engineering to create excellent beam control with focus and uniformity.

LED: Our manufacturing process allows for consistent color temperature of the LED lamps.

Integral Driver: A driver allows dimming and regulates lamp performance over time. Philips integral drivers offer exceptional compatibility and dimming range.

Thermal Management: Philips AirFlux Technology represents the ultimate synergy of form and function. AirFlux incorporates a sleek new form with a high grade finish and continuous heat dissipation for enhanced aesthetics and performance.

- Air enters through small vents that surround the optical lens or through the open slots in the housing
- The air then cools the LED package as it passes through the channels of the lamp cavity
- The stream of warm air then escapes through the open outlets in the lamp helping to dissipate the heat
- The airflow cycle is continuous without the use of moving parts or heat sink fins

Whether for hotels, offices, schools, stores, factories, warehouses or hospitals, the Philips LED portfolio brings you plenty of retrofit options.

Accent lighting

Philips LED MR16 Lamps with superior performance and enhanced transformer compatibility allow for operation in a wide range of applications and luminaires.

Features

- Emit virtually no UV/IR light in the beam
- Available in a wide range of options
- Bright white light with uniform beam distribution
- Smooth dimming to 10% of full light levels for dimmable versions*
- Contains no mercury
- 10W features active cooling technology.

Benefits

- Will not fade colors, avoids inventory spoilage
- Focus light where it's needed most
- Create contrast and depth
- Long rated average life—reduced maintenance cost
- Low energy use and waste—better for the environment
- Excellent heat management within luminaires due to LED technology

Applications

- Track and recessed luminaires
- Accent 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.

Accent with higher performance Philips LED MR16 Lamps

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

Product Number	Ordering Description	LED	Bulb	Base	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	Approx. MBCP[2,3]	CRI	Color Temp.	MOL	Key
		watts					hours				kelvin	inches	
Standard Halogen MR16 35W ENERGY STAR® Equivalent†													
45351-4	6.5MR16/F35 2700 DIM AF	6.5W	MR16	GU5.3	12VAC	35°	25,000	450	900	81	2700K	1.9	A
45350-6	6.5MR16/F35 3000 DIM AF	6.5W	MR16	GU5.3	12VAC	35°	25,000	460	960	81	3000K	1.9	A
Standard Halogen MR16 35W ENERGY STAR® Equivalent†													
43265-8	7MR16/S15 2700 DIM AF	7W	MR16	GU5.3	12VAC	15°	40,000	380	2650	80	2700K	2.1	B
43266-6	7MR16/S15 3000 DIM AF	7W	MR16	GU5.3	12VAC	15°	40,000	420	2650	81	3000K	2.1	B
43267-4	7MR16/S15 4000 DIM AF	7W	MR16	GU5.3	12VAC	15°	40,000	440	2750	83	4000K	2.1	B
43259-1	7MR16/F25 2700 DIM AF	7W	MR16	GU5.3	12VAC	25°	40,000	370	1950	80	2700K	2.1	B
43260-9	7MR16/F25 3000 DIM AF	7W	MR16	GU5.3	12VAC	25°	40,000	370	1950	80	3000K	2.1	B
43261-7	7MR16/F25 4000 DIM AF	7W	MR16	GU5.3	12VAC	25°	40,000	390	2050	80	4000K	2.1	B
43262-5	7MR16/F35 2700 DIM AF	7W	MR16	GU5.3	12VAC	35°	40,000	370	1050	80	2700K	2.1	B
43263-3	7MR16/F35 3000 DIM AF	7W	MR16	GU5.3	12VAC	35°	40,000	370	1050	80	3000K	2.1	B
43264-1	7MR16/F35 4000 DIM AF	7W	MR16	GU5.3	12VAC	35°	40,000	390	1100	80	4000K	2.1	B
Standard Halogen MR16 50W ENERGY STAR® Equivalent†													
43362-3	7MR16/F25 2700 DIM AF HO	7W	MR16	GU5.3	12VAC	25°	40,000	500	2400	82	2700K	2.1	B
43363-1	7MR16/F25 3000 DIM AF HO	7W	MR16	GU5.3	12VAC	25°	40,000	510	2500	82	3000K	2.1	B
43364-9	7MR16/F35 2700 DIM AF HO	7W	MR16	GU5.3	12VAC	35°	40,000	500	1300	82	2700K	2.1	B
43365-6	7MR16/F35 3000 DIM AF HO	7W	MR16	GU5.3	12VAC	35°	40,000	510	1350	82	3000K	2.1	B
Standard Halogen MR16 75W ENERGY STAR® Equivalent†													
43239-3	10MR16/F25 2700 DIM HO	10W	MR16	GU5.3	12VAC	25°	25,000	640	3120	80	2700K	2.1	C
43240-1	10MR16/F25 3000 DIM HO	10W	MR16	GU5.3	12VAC	25°	25,000	650	3360	80	3000K	2.1	C
43241-9	10MR16/F25 4000 DIM HO	10W	MR16	GU5.3	12VAC	25°	25,000	650	3700	80	4000K	2.1	C
43242-7	10MR16/F35 2700 DIM HO	10W	MR16	GU5.3	12VAC	35°	25,000	640	1880	80	2700K	2.1	C
43243-5	10MR16/F35 3000 DIM HO	10W	MR16	GU5.3	12VAC	35°	25,000	650	2030	80	3000K	2.1	C

1) Rated average life is based on engineering testing and probability analysis.

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

3) Maximum Beam Candle Power.

† 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 example shows an application of 100 lamps accenting a space currently using standard 75W MR16 halogen 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 standard 75W MR16 halogen lamps with Philips 10W LED MR16 dimmable lamps can provide significant energy cost savings of $2,860.00 per year! Potential savings from the reduction in HVAC costs as a result of using a low wattage lamp that emits less heat is an additional benefit not included in this example.

Saving Solution

Estimated Lighting Costs Using a...		Standard 75W MR16 Halogen Lamp		Philips 10W LED MR16 Lamp
Present Wattage		75 Watts		10 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	300,000 watt-hours	=	40,000 watt-hours
÷1,000 =	=	300 kWh per year	=	40 kWh per year
x kWh rate of $0.11	=	$33.00 per year	=	$4.40 per year
x 100 lamps per space	=	$3,300.00 annual energy cost per space	=	$440.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$2,860.00**

A) The 10W LED MR16 at 1,920 candela compared to the 50W halogen MR16 at 2,100 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	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
45251-4	453510	453515	10	0.61	0.104	6110	1	470	13	1.77 x 1.77 x 2.17	9.3 x 4.0 x 2.8	47.2 x 39.4 x 42.6
45350-6	453503	453508	10	0.61	0.104	6110	1	470	13	1.77 x 1.77 x 2.17	9.3 x 4.0 x 2.8	47.2 x 39.4 x 42.6
Standard Halogen MR16 35W ENERGY STAR® Equivalent†												
43265-8	43265-2	43265-7	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43266-6	43266-9	43266-4	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43267-4	43267-6	43267-1	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43259-1	43259-1	43259-6	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43260-9	43260-7	43260-2	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43261-7	43261-4	43261-9	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43262-5	43262-1	43262-6	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43263-3	43263-8	43263-3	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43264-1	43264-5	43264-0	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
Standard Halogen MR16 50W ENERGY STAR® Equivalent†												
43362-3	43362-8	43362-3	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43363-1	43363-5	43363-0	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43364-9	43364-2	43364-7	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43365-6	43365-9	43365-4	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
Standard Halogen MR16 75W ENERGY STAR® Equivalent†												
43239-3	43239-3	43239-8	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43240-1	43240-9	43240-4	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43241-9	43241-6	43241-1	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43242-7	43242-3	43242-8	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43243-5	43243-0	43243-5	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43244-3	43244-7	43244-2	10	1.3	0.098	3800	1	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1

See bottom of page 38 for Warnings, Cautions and Instructions.

Accent and general lighting

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

Features

- Emit 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 25° or 35° beam angle
- AirFlux technology for sleek, lightweight design

Benefits

- Will not fade colors, avoids inventory spoilage
- Focus light where it is needed
- Create contrast and depth
- Long rated average 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.

airflux TECHNOLOGY

Highlight with higher performance Philips LED PAR20 and PAR16

A B C D

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

Product Number	Ordering Description	LED	Bulb	Base	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	Approx. MBCP[2,3]	CRI	Color Temp.	MOL	Key
		watts					hours				kelvin	inches	
Standard Halogen PAR16 50W ENERGY STAR® Equivalent†													
42350-9	6PAR16/F25 3000 DIM	6W	PAR16	GU10	120V	25°	25,000	300	1050	85	3000K	2.2	B
42931-6	BC6PAR16/AMB/3000 DIM 120V	6W	PAR16	Medium	120V	25°	25,000	300	1050	85	3000K	2.2	A
Standard Halogen PAR20 50W ENERGY STAR® Equivalent†													
42612-2	8PAR20/F25 2700 DIM	8W	PAR20	Medium	120V	25°	45,000	450	2300	84	2700	3.5	C
45341-5	8PAR20/F25 2700 DIM B	8W	PAR20	Medium	120V	25°	45,000	450	2300	84	2700	3.5	D
42613-0	8PAR20/F25 3000 DIM	8W	PAR20	Medium	120V	25°	45,000	470	2400	84	3000	3.5	C
42614-8	8PAR20/F25 4000 DIM	8W	PAR20	Medium	120V	25°	45,000	470	2400	84	4000	3.5	C
42615-5	8PAR20/F35 2700 DIM	8W	PAR20	Medium	120V	35°	45,000	450	2300	84	2700	3.5	C
45342-3	8PAR20/F25 3000 DIM B	8W	PAR20	Medium	120V	25°	45,000	470	2400	84	3000	3.5	D
42616-3	8PAR20/F35 3000 DIM	8W	PAR20	Medium	120V	35°	45,000	470	2400	84	3000	3.5	C
42617-1	8PAR20/F35 4000 DIM	8W	PAR20	Medium	120V	35°	45,000	470	2400	84	4000	3.5	C

1) Rated average 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.
This lamp is ENERGY STAR® Certified.

† 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 8W LED PAR20 lamps can provide significant energy cost savings of $1,848.00 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 8W LED PAR20 Lamp
Present Wattage		50 Watts		8 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	200,000 watt-hours	=	32,000 watt-hours
÷1,000 =	=	200 kWh per year	=	32 kWh per year
x kWh rate of $0.11	=	$22.00 per year	=	$3.52 per year
x 100 lamps per space	=	$2,200.00 annual energy cost per space	=	$352.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$1,848.00**

A) The 8W LED PAR20 at 1300 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	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Standard Halogen PAR16 50W ENERGY STAR® Equivalent†												
42350-9	42350-6	42350-1	10	2.05	0.118	2880	1	240	12	2.0 x 2.0 x 2.2	11.9 x 5.8 x 3.0	47.2 x 39.4 x 41.3
42931-6	42931-7	42931-2	10	2.05	0.118	2880	1	240	12	2.0 x 2.0 x 2.2	11.9 x 5.8 x 3.0	47.2 x 39.4 x 41.3
Standard Halogen PAR20 50W ENERGY STAR® Equivalent†												
42612-2	42612-5	42612-0	6	1.3	0.176	1200	1	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
45341-5	45341-1	45341-6	6	1.3	0.176	1200	1	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	42613-2	42613-7	6	1.3	0.176	1200	1	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	42614-9	42614-4	6	1.3	0.176	1200	1	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	42615-6	42615-1	6	1.3	0.176	1200	1	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
45342-3	45342-8	45342-3	6	1.3	0.176	1200	1	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	42616-3	42616-8	6	1.3	0.176	1200	1	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	42617-0	42617-5	6	1.3	0.176	1200	1	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

See bottom of page 38 for Warnings, Cautions and Instructions.

Accent lighting

Philips LED PAR30S Lamps with AirFlux Technology provide all the benefits of LED accent lighting with none of the distractions.

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
- Bright white light with uniform beam distribution
- Contains no mercury

Benefits

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

Applications

- Suited for track luminaires
- Accent lighting in single, hospitality, office and residential spaces

* Single Optic PAR30S lamps are not dimmable

airflux TECHNOLOGY

Accent with higher performance Philips LED PAR30S Lamps

A B

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

Product Number	Ordering Description	LED	Bulb	Base	Dim	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	Approx. MBCP[2,3]	CRI	Color Temp.	MOL	Key
		watts						hours				kelvin	inches	
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent†														
■ 43236-9	12PAR30S/S15 2700 ND AF SO	12W	PAR30S	Med.	N	120V	15°	25,000	850	7400	83	2700	3.5	A
■ 43237-7	12PAR30S/S15 3000 ND AF SO	12W	PAR30S	Med.	N	120V	15°	25,000	850	7900	83	3000	3.5	A
■ 43238-5	12PAR30S/S15 4000 ND AF SO	12W	PAR30S	Med.	N	120V	15°	25,000	900	8500	83	4000	3.5	A
■ 42692-4	12PAR30S/F25 2700 AF SO	12W	PAR30S	Med.	N	120V	25°	25,000	850	5000	83	2700	3.5	A
■ 43296-2	12PAR30S/F25 2700 AF SO-B	12W	PAR30S	Med.	N	120V	25°	25,000	850	5000	83	2700	3.5	B
■ 42693-2	12PAR30S/F25 3000 AF SO	12W	PAR30S	Med.	N	120V	25°	25,000	900	5300	83	3000	3.5	A
■ 43297-0	12PAR30S/F25 3000 AF SO-B	12W	PAR30S	Med.	N	120V	25°	25,000	900	5300	83	3000	3.5	B
■ 43137-9	12PAR30S/F25 3500 AF SO	12W	PAR30S	Med.	N	120V	25°	25,000	950	5300	84	3500	3.5	A
■ 42694-0	12PAR30S/F25 4000 AF SO	12W	PAR30S	Med.	N	120V	25°	25,000	950	5500	83	4000	3.5	A
■ 42695-6	12PAR30S/F35 2700 AF SO	12W	PAR30S	Med.	N	120V	35°	25,000	850	1850	83	2700	3.5	A
■ 42696-4	12PAR30S/F35 3000 AF SO	12W	PAR30S	Med.	N	120V	35°	25,000	900	1960	83	3000	3.5	A
■ 43138-7	12PAR30S/F35 3500 AF SO	12W	PAR30S	Med.	N	120V	25°	25,000	950	2000	84	3500	3.5	A
■ 42697-2	12PAR30S/F35 4000 AF SO	12W	PAR30S	Med.	N	120V	35°	25,000	950	2100	83	4000	3.5	A

1) Rated average life is based on engineering testing and probability analysis.

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

3) Maximum Beam Candle Power.

■ This lamp is ENERGY STAR® Certified.

Uses AirFlux Technology.

† 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 a 75W halogen PAR30S, 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 halogen 75W PAR30S lamps with the Philips 12W LED PAR30S can provide significant energy cost savings of $2,772.00 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 75W PAR30S Halogen Lamp	Philips 12W LED PAR30S Lamp
Present Wattage	75 Watts	12 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 300,000 watt-hours	= 48,000 watt-hours
÷1,000 =	= 300 kWh per year	= 48 kWh per year
x kWh rate of $0.11	= $33.00 per year	= $5.28 per year
x 100 lamps per space	= $3,300.00 annual energy cost per space	= $528.00 annual energy cost per space
	Total Estimated Annual Savings[B]	**= $2,772.00**

A) The 12W PAR30S at 3120 candela compared to the 75W halogen PAR30S at 2910 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	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent†												
43236-9	43236-2	43236-7	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43237-7	43237-9	43237-4	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43238-5	43238-6	43238-1	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
42692-4	42692-7	42692-2	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43296-2	43296-6	43296-1	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
42693-2	42693-4	42693-9	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43297-0	43297-3	43297-8	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43137-9	43137-2	43137-7	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
42694-0	42694-1	42694-6	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
42695-6	42695-8	42695-3	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
42696-4	42696-5	42696-0	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43138-7	43138-9	43138-4	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
42697-2	42697-2	42697-7	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1

See bottom of page 38 for Warnings, Cautions and Instructions.

General lighting

Philips LED PAR30L Dimmable Lamps **with AirFlux Technology** provide all the benefits of LED recessed lighting and more.

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

airflux TECHNOLOGY

Benefits

- Integrates seamlessly into existing recessed luminaires
- Will not fade colors, avoids inventory spoilage
- Focus light where it is needed
- Long rated average life—reduced maintenance cost
- Low energy use and waste—better for the environment

Applications

- Suited for recessed luminaires and track fixtures
- General lighting in single, hospitality, office and residential spaces

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

Excellent uniformity with Philips LED PAR30 Single Optic Lamps

A

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

Product Number	Ordering Description	LED	Bulb	Base	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	Approx. MBCP[2,3]	CRI	Color Temp.	MOL	Key
		watts					hours				kelvin	inches	
(Long) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent†													
■ 43012-4	12PAR30L/F25 2700 DIM RO AF 6/1	12W	PAR30L	Medium	120V	25°	25,000	850	5000	80	2700	4.4	A
■ 43013-2	12PAR30L/F25 3000 DIM RO AF 6/1	12W	PAR30L	Medium	120V	25°	25,000	900	5300	81	3000	4.4	A
■ 43014-0	12PAR30L/F25 4000 DIM RO AF 6/1	12W	PAR30L	Medium	120V	25°	25,000	950	5500	80	4000	4.4	A
■ 43015-7	12PAR30L/F35 2700 DIM RO AF 6/1	12W	PAR30L	Medium	120V	35°	25,000	850	1850	81	2700	4.4	A
■ 43016-5	12PAR30L/F35 3000 DIM RO AF 6/1	12W	PAR30L	Medium	120V	35°	25,000	900	1960	80	3000	4.4	A
■ 43017-3	12PAR30L/F35 4000 DIM RO AF 6/1	12W	PAR30L	Medium	120V	35°	25,000	950	2100	81	4000	4.4	A

1) Rated average life is based on engineering testing and probability analysis.

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

3) Maximum Beam Candle Power.

■ This lamp is ENERGY STAR® Certified.

Uses AirFlux Technology.

† 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 a 75W halogen PAR30L, 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 halogen 75W PAR30L lamps with the Philips 12W LED PAR30L can provide significant energy cost savings of $2,772.00 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 75W PAR30L Halogen Lamp	Philips 12W LED PAR30L Lamp
Present Wattage	75 Watts	12 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 300,000 watt-hours	= 48,000 watt-hours
÷1,000 =	= 300 kWh per year	= 48 kWh per year
x kWh rate of $0.11	= $33.00 per year	= $5.28 per year
x 100 lamps per space	= $3,300.00 annual energy cost per space	= $528.00 annual energy cost per space
	Total Estimated Annual Savings[B]	**= $2,772.00**

A) The 12W PAR30L at 3120 candela compared to the 75W halogen PAR30L at 2910 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	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
PAR30L (Long) LED Retail Optic – Standard Halogen 75W ENERGY STAR® Equivalent†												
43012-4	43012-2	43012-7	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43013-2	43013-9	43013-4	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43014-0	43014-6	43014-1	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43015-7	43015-3	43015-8	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43016-5	43016-0	43016-5	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
43017-3	43017-7	43017-2	6	5.59	0.328	672	1	96	7	4.0 x 4.0 x 4.9	12.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1

See bottom of page 38 for Warnings, Cautions and Instructions.

Accent and general lighting

Philips LED PAR38 Dimmable Lamps **with AirFlux Technology** provide all the benefits of LED general and accent lighting with none of the distractions.

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 rated average 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) for compatible dimmers.

Highlight with Philips LED PAR38 Lamps


A (Outdoor)


B


C


D

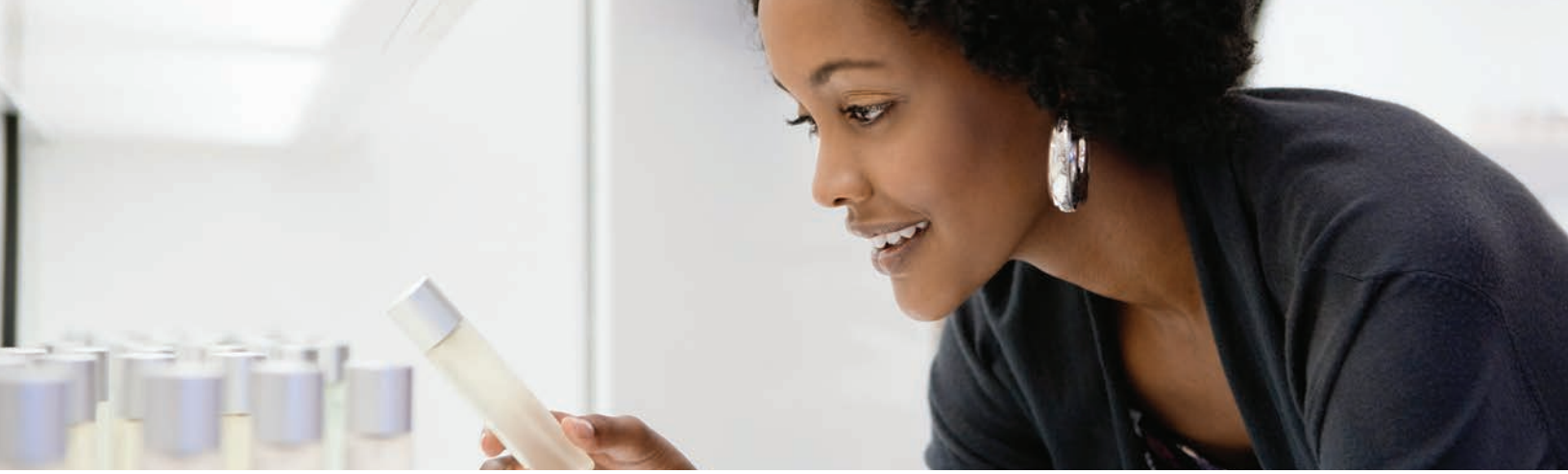
Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Ordering Description	LED	Bulb	Base	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	Approx. MBCP[2,3]	CRI	Color Temp.	MOL	Key
		watts					hours				kelvin	inches	
PAR38 LED – Standard Halogen 75W ENERGY STAR® Equivalent†													
43003-3	13PAR38/S15 2700 DIM AF SO	13W	PAR38	Medium	120V	15°	25,000	900	7700	80	2700	5.2	B
43004-1	13PAR38/S15 3000 DIM AF SO	13W	PAR38	Medium	120V	15°	25,000	900	8100	80	3000	5.2	B
43005-8	13PAR38/S15 4000 DIM AF SO	13W	PAR38	Medium	120V	15°	25,000	1000	8600	80	4000	5.2	B
43006-6	13PAR38/F25 2700 DIM AF SO	13W	PAR38	Medium	120V	25°	25,000	900	5300	80	2700	5.2	B
43007-4	13PAR38/F25 3000 DIM AF SO	13W	PAR38	Medium	120V	25°	25,000	950	5500	80	3000	5.2	B
43008-2	13PAR38/F25 4000 DIM AF SO	13W	PAR38	Medium	120V	25°	25,000	1000	5500	80	4000	5.2	B
43009-0	13PAR38/F35 2700 DIM AF SO	13W	PAR38	Medium	120V	35°	25,000	900	1980	80	2700	5.2	B
43010-8	13PAR38/F35 3000 DIM AF SO	13W	PAR38	Medium	120V	35°	25,000	950	2100	80	3000	5.2	B
43011-6	13PAR38/F35 4000 DIM AF SO	13W	PAR38	Medium	120V	35°	25,000	1000	2200	80	4000	5.2	B
PAR38 LED – Standard Halogen 90W ENERGY STAR® Equivalent†													
45343-1	15PAR38/F25 3000 ULW DIM 6/1	15W	PAR38	Medium	120V	25°	25,000	1050	4400	81	3000	5.2	A
PAR38 LED – Standard Halogen 120W ENERGY STAR® Equivalent†													
43000-9	19PAR38/S15 2700 DIM AF SO	19W	PAR38	Medium	120V	15°	25,000	1200	10,000	80	2700	5.2	B
43001-7	19PAR38/S15 3000 DIM AF SO	19W	PAR38	Medium	120V	15°	25,000	1250	11,000	80	3000	5.2	B
43002-5	19PAR38/S15 4000 DIM AF SO	19W	PAR38	Medium	120V	15°	25,000	1300	11,000	80	4000	5.2	B
42908-4	19PAR38/F25 2700 DIM AF SO	19W	PAR38	Medium	120V	25°	25,000	1180	6800	80	2700	5.2	B
43298-8	19PAR38/F25 2700 DIM AF SO-B	19W	PAR38	Medium	120V	25°	25,000	1190	6000	80	2700	5.2	C
42909-2	19PAR38/F25 3000 DIM AF SO	19W	PAR38	Medium	120V	25°	25,000	1250	7100	80	3000	5.2	B
43299-6	19PAR38/F25 3000 DIM AF SO-B	19W	PAR38	Medium	120V	25°	25,000	1250	6500	80	3000	5.2	C
43201-3	19PAR38/F25 3000 DIM AF SO-S	19W	PAR38	Medium	120V	25°	25,000	1250	6500	80	3000	5.2	D
43139-5	19PAR38/F25 3500 DIM AF SO	12W	PAR38	Medium	120V	25°	25,000	1300	7500	85	3500	5.2	B
42910-0	19PAR38/F25 4000 DIM AF SO	19W	PAR38	Medium	120V	25°	25,000	1300	7500	80	4000	5.2	B
42911-8	19PAR38/F35 2700 DIM AF SO	19W	PAR38	Medium	120V	35°	25,000	1170	3200	80	2700	5.2	B
42912-6	19PAR38/F35 3000 DIM AF SO	19W	PAR38	Medium	120V	35°	25,000	1190	3400	80	3000	5.2	B
43140-3	19PAR38/F35 3500 DIM AF SO	12W	PAR38	Medium	120V	35°	25,000	1300	3600	85	3500	5.2	B
42913-4	19PAR38/F35 4000 DIM AF SO	19W	PAR38	Medium	120V	35°	25,000	1300	3600	80	4000	5.2	B

1) Rated average life is based on engineering testing and probability analysis.
2) Based on photometric testing consistent with IES LM-79.
3) Maximum Beam Candle Power.
■ This lamp is ENERGY STAR® Certified.
Uses AirFlux Technology.

† 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.

See bottom of page 38 for Warnings, Cautions and Instructions.



Highlight with Philips LED PAR38 Lamps

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Standard Halogen PAR38 75W ENERGY STAR® Equivalent†												
43003-3	43003-0	43003-5	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
43004-1	43004-7	43004-2	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
43005-8	43005-4	43005-9	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
43006-6	43006-1	43006-6	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
43007-4	43007-8	43007-3	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
43008-2	43008-5	43008-0	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
43009-0	43009-2	43009-7	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
42541-3	42541-8	42541-3	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
43010-8	43010-8	43010-3	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
43011-6	43011-5	43011-0	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
Standard Halogen PAR38 90W ENERGY STAR® Equivalent†												
45343-1	45343-5	45343-0	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 38 for Warnings, Cautions and Instructions.

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.[A] Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 halogen 120W PAR38 lamps with Philips 19W LED PAR38 lamps can provide significant energy cost savings of $4,444.00 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 19W LED PAR38 Lamp
Present Wattage		120 Watts		19 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	480,000 watt-hours	=	76,000 watt-hours
÷1,000 =	=	480 kWh per year	=	76 kWh per year
x kWh rate of $0.11	=	$52.80 per year	=	$8.36 per year
x 100 lamps per space	=	$5,280.00 annual energy cost per space	=	$836.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$4,444.00**

A) The 19W 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	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Standard Halogen PAR38 120W ENERGY STAR® Equivalent†												
43000-9	43000-9	43000-4	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
43001-7	43001-6	43001-1	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
43002-5	43002-3	43002-8	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
42908-4	42908-9	42908-4	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
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
42909-2	42909-6	42909-1	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
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
42910-0	42910-2	42910-7	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
42911-8	42911-9	42911-4	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
42912-6	42912-6	42912-1	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
42913-4	42913-3	42913-8	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 38 for Warnings, Cautions and Instructions.

Crisp White PAR lamps

Philips PAR LED lamps featuring Crisp White Technology produce sparkling whites and vibrant colors in a sleek design.

Superior Whites and Colors

- Brilliant whites that "pop"
- See finer details and subtle shades of white
- Brilliant colors across the spectrum
- Discover hidden textures and depth
- Single optic increases visual comfort and helps to improve the shopping experience
- 92 CRI, R9 > 60 for superior color rendering

Easy to experience

- Capture shoppers' attention with dramatic lighting scenes and effects
- Reduce maintenance cycles
- Reduce operating cost
- Will not fade colors, avoids inventory spoilage

Applications

- Retail track and accent lighting
- Areas where subtle differences in whites are needed
- Great for jewelry stores and clothing retailers looking to stand out

airflux TECHNOLOGY

This energy saving example shows an application of 100 lamps in a space currently using 90W halogen PAR38 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 halogen 90W PAR38 lamps with Philips 14W LED PAR38 lamps can provide significant energy cost savings of $3,344.00 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...		Halogen 90W PAR38 Lamp		Philips 14W LED PAR38 Lamp
Present Wattage		90 Watts		14 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	360,000 watt-hours	=	56,000 watt-hours
÷1,000 =	=	360 kWh per year	=	56 kWh per year
x kWh rate of $0.11	=	$39.60 per year	=	$6.16 per year
x 100 lamps per space	=	$3,960.00 annual energy cost per space	=	$616 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$3,344.00**

A) The 14W PAR38 at 4200 candela compared to the 90W halogen PAR at 3697 candela

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

Accent lighting with Philips LED PAR30S and PAR38 Lamps

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

Product Number	Ordering Description	LED	Bulb	Base	Dim	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	Approx. MBCP[2,3]	CRI	Color Temp.	MOL	Key
		watts						hours				kelvin	inches	
Philips PAR30S LED Featuring Crisp White Technology†														
☐ 43492-8	12.5PAR30S/S15/CW 3000 AF SO	12.5W	PAR30S	Med.	N	120V	15°	50,000	780	6300	92	3000	3.5	A
☐ 43493-6	12.5PAR30S/S15/CW 3000 AF SO-B	12.5W	PAR30S	Med.	N	120V	15°	50,000	780	6300	92	3000	3.5	B
☐ 43494-4	12.5PAR30S/F25/CW 3000 AF SO	12.5W	PAR30S	Med.	N	120V	25°	50,000	780	3500	92	3000	3.5	A
Philips PAR38 LED Featuring Crisp White Technology†														
☐ 43495-0	14PAR38/S15/CW 3000 AF SO	14W	PAR38	Med.	N	120V	15°	50,000	900	9200	92	3000	3.5	C
☐ 43496-8	14PAR38/F25/CW 3000 AF SO	14W	PAR38	Med.	N	120V	25°	50,000	900	4200	92	3000	3.5	C

1) Rated average life is based on engineering testing and probability analysis.

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

3) Maximum Beam Candle Power.

☐ This lamp is currently in ENERGY STAR® testing.

Uses AirFlux Technology.

† 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.

See bottom of page 38 for Warnings, Cautions and Instructions.

General lighting

Philips LED R20, BR30 and **BR40 Dimmable Lamps with AirFlux Technology** provide a soft, diffused light and smooth dimming that is ideal for recessed lighting.

Features

- Diffused light with wide light distribution
- Sleek, lightweight, finless design
- Warm white light with increased lumens
- Smooth dimming to 10% of full light levels*
- Contains no mercury
- Energy Star® certified BR30 and BR40
- The WarmGlow BR30 (PN 45224-3) creates a cozy, natural light when dimmed, similar to incandescent lamps

Benefits

- Integrate seamlessly into recessed luminaires
- Reduce distractions in the ceiling
- Uniform light distribution with greater visual comfort
- Long rated average life—reduced maintenance cost
- Low energy use and waste—better for the environment

Applications

- Suited for recessed luminaires
- Down-lighting in retail, hospitality, office and residential spaces

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

This energy saving example shows an application of 100 lamps in a space currently using 65W incandescent BR30 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 standard incandescent 65W BR30 lamps with Philips 9.5W LED BR30 lamps can provide significant energy cost savings of $2,442.00 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 65W BR30 Incandescent Lamp		Philips 10.5W LED BR30 Lamp
Present Wattage		65 Watts		9.5 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	260,000 watt-hours	=	38,000 watt-hours
÷1,000 =	=	260 kWh per year	=	38 kWh per year
x kWh rate of $0.11	=	$28.60 per year	=	$4.18 per year
x 100 lamps per space	=	$2,860.00 annual energy cost per space	=	$418.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$2,442.00**

A) The 10.5W LED BR30 at 730 lumens compared to the 65W standard BR30 incandescent at 650 lumens.
B) Based on 100 lamps per space operating at 4,000 hours per year.

Ambient lighting with Philips LED R20, BR30 and BR40 Lamps

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

Product Number	Ordering Description	LED	Bulb	Base	Volts	Beam Angle	Rated Avg. Life[1]	Approx. Lumens[2]	CRI	Color Temp.	MOL	Key
		watts					hours			kelvin	inches	
Standard Halogen R20 50W ENERGY STAR® Equivalent†												
42881-3	8R20/END/F25 2700 DIM 6/1	8W	BR30	Med.	120V	90°	25,000	530	80	2700	3.5	A
Standard Halogen BR30 65W ENERGY STAR® Equivalent†												
45224-3	9.5BR30/2200-2700 DIM 120V	9.5W	BR30	Med.	120V	90°	25,000	730	83	2700-2200	5.1	B
Standard Halogen BR40 65W ENERGY STAR® Equivalent†												
42056-2	12BR40/END/S90 2700-800 DIM AF 6/1	12W	BR40	Med.	120V	90°	25,000	800	82	2700	6.5	C

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Standard Halogen R20 50W ENERGY STAR® Equivalent†												
42881-3	42881-5	42881-0	6	1.30	0.176	1200	1	50	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
Standard Halogen BR30 65W ENERGY STAR® Equivalent†												
42055-4	42055-0	42055-5	6	6.24	0.159	300	1	60	5	4.1 x 4.1 x 5.7	14.7 x 10.4 x 6.4	47.2 x 37.4 x 37.5
Standard Halogen BR40 65W ENERGY STAR® Equivalent†												
42056-2	42056-7	42056-2	6	7.52	0.223	240	1	60	4	5.1 x 5.1 x 7.3	15.9 x 10.8 x 8.0	47.2 x 37.4 x 37.6

1) Rated average life is based on engineering testing and probability analysis.
2) Based on photometric testing consistent with IES LM-79.
Uses AirFlux Technology.
Uses WarmGlow Technology.
☐ This lamp is currently in ENERGY STAR® testing.
■ This lamp is ENERGY STAR® Certified.

† 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.

See bottom of page 38 for Warnings, Cautions and Instructions.

General lighting

Philips LED A-Shape Dimmable Lamps provide a smart alternative to standard A-Shape incandescents, with longer life and excellent dimming performance.

Features

- Omnidirectional illumination*
- Instant-on light
- Emit virtually no UV/IR light in the beam
- Warm white light
- Smooth dimming to 10% of full light levels
- Contain no mercury

Benefits

- Uniform light distribution
- Create the perfect ambience
- No warm up time—instant 100% light output
- Will not fade colors, avoids inventory spoilage
- Long rated average life—reduced maintenance cost
- Low energy use and waste—better for the environment

Applications

- Table and floor lamps, pendants, and wall sconces
- Ambient lighting in hotels, restaurants, retail and residential applications

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

This energy saving example shows an application of 100 lamps in a space currently using 60W incandescent A19 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 standard incandescent 60W A19 lamps with Philips 11W LED A19 lamps can provide significant energy cost savings of $2156.00 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 60W A19 Incandescent Lamp		Philips 11W LED A19 Lamp
Present Wattage		60 Watts		11 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	240,000 watt-hours	=	44,000 watt-hours
÷1,000 =	=	240 kWh per year	=	44 kWh per year
x kWh rate of $0.11	=	$26.40 per year	=	$4.84 per year
x 100 lamps per space	=	$2,640.00 annual energy cost per space	=	$484.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$2,156.00**

A) The 11W LED A19 at 830 lumens compared to the 60W standard A19 incandescent at 800 lumens.
B) Based on 100 lamps per space operating at 4,000 hours per year.

Ambient lighting with Philips LED A-Shape Lamps

A B

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

Product Number	Ordering Description	LED	Bulb	Base	Volts	Rated Avg. Life[1]	Approx. Lumens[2]	CRI	Color Temp.	MOL	Key
		watts				hours			kelvin	inches	
Standard Incandescent A19†											
■ 42348-3	7A19/END/2700 DIM	7W	A19	Medium	120V	25,000	470	81	2700	4.0	A
■ 42349-1	11A19/END/2700 DIM	11W	A19	Medium	120V	25,000	830	81	2700	4.0	A
Standard Incandescent A21†											
■ 43218-7	15A21/2700-WHT DIM	15W	A21	Medium	120V	25,000	1145	80	2700	4.8	B
■ 43221-1	19A21/2700-WHT DIM	19W	A21	Medium	120V	25,000	1620	80	2700	4.8	B

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Standard Incandescent A19†												
42348-3	42348-3	42348-8	6	2.45	0.131	1224		204	6	2.72 x 2.72 x 4.80	8.40 x 5.60 x 4.80	47.20 x 39.40 x 34.90
42349-1	42349-0	42349-5	6	2.45	0.131	1224		204	6	2.72 x 2.72 x 4.80	8.40 x 5.60 x 4.80	47.20 x 39.40 x 34.90
Standard Incandescent A21†												
43218-7	43218-8	43218-3	6	3.8	0.177	1224		204	6	4.02 x 3.23 x 7.87	4.92 x 14.02 x 8.62	39.97 x 47.24 x 40.20
43221-1	43221-8	43221-3	6	3.8	0.177	1224		204	6	4.02 x 3.23 x 7.87	4.92 x 14.02 x 8.62	39.97 x 47.24 x 40.20

1) Rated average life is based on engineering testing and probability analysis.
2) Based on photometric testing consistent with IES LM-79.
■ This lamp is ENERGY STAR® Certified.

† 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.

See bottom of page 38 for Warnings, Cautions and Instructions.

The perfect LED solution

Philips SlimStyle A-Shape and BR30 Dimmable LED Bulbs are the same size as traditional light bulbs in a new slim design. Its innovative shape provides energy efficiency and quality light in a durable shape. Its dimmable, comfortable light is ideal for use in table and floor lamps, wall sconces, recessed lighting, downlights and pendant lighting.

Long lasting, energy efficient light

- Replaces 40 Watt and 60 Watt incandescent bulbs
- BR30 replaces a 65 Watt incandescent bulb
- Last up to 22.8 years*
- Low yearly energy costs

Easy to experience

- Provides soft, quality light similar to incandescents
  - Available in Soft White (2700K)
- Long life reduces the hassle of replacing bulbs so often
- Will not fade fabrics or furnishings
- Contains no mercury
- Dimmable**

Innovative design

- Slim shape fits in most fixtures with a medium base
- Rugged design ensures durability and is ideal for housel want to provide a sense of security for their family
- Provides light all-around♦

(*, **, ♦ See next page for footnotes)

This energy saving example shows an application of 100 lamps in a space currently using 65W BR30 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 incandescent 65W BR30 lamps with Philips 9.5W LED SlimStyle BR30 lamps can provide significant energy cost savings of $2,442.00 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...		Halogen 65W BR30 Lamp		Philips 9.5W LED BR30 Lamp
Present Wattage		65 Watts		9.5 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	260,000 watt-hours	=	38,000 watt-hours
÷1,000 =	=	260 kWh per year	=	38 kWh per year
x kWh rate of $0.11	=	$28.60 per year	=	$4.18 per year
x 100 lamps per space	=	$2,860.00 annual energy cost per space	=	$418.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$2,442.00**

A) The 9.5W LED SlimStyle BR30 at 650 lumens compared to the 65W incandescent BR30 at650 lumens.
B) Based on 100 lamps per space operating at 4000 hours per year.

Highlight with Philips LED SlimStyle A-Shape and BR30 Dimmable Bulbs

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

Product Number	Ordering Code	Model Number	Nom.	Volts	Lamp Type	Base	Rated Avg. Life[1]	Approx. Lumens[2]	CRI	Color Temp	Dim.	MOL	Key
			watts				hours		kelvin			inches	
Standard A19 Incandescent 40W ENERGY STAR® Equivalent†													
□ 43367-2	8A19/SLIM/2700 DIM	9290002704	8W	120V	A-Type	Med.	25,000	450	80	2700K	Y	4.2	A
Standard A19 Incandescent 60W ENERGY STAR® Equivalent†													
■ 43327-6	10.5A19/SLIM/2700 DIM	9290002707	10.5W	120V	A-Type	Med.	25,000	800	80	2700K	Y	4.2	A
Standard BR30 Incandescent 65W ENERGY STAR® Equivalent†													
□ 45236-7	9.5BR30/SLIM/F90 2700 AF	9290011118	9.5W	120V	BR30	Med.	25,000	650	80	2700K	Y	5.1	B

1. Rated average life based on engineering testing and probability analysis.
2. Based on photometric testing consistent with IES LM-79.
□ This lamp is currently in ENERGY STAR® testing.
■ This lamp is ENERGY STAR® qualified.
† All Philips LED A-Type bulb 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. A-shape bulbs are calculated on lumen values, not the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool.
* 22.8 years means rated average life based on engineering testing and probability analysis where the lamp is used on average 3 hrs/day, 7 days/week
** Dimmable when using leading and trailing edge dimmers (see Philips Website: www.philips.com/ledtechguide for compatible leading and trailing edge dimmers).
♦ This lamp provides a measured light distribution of 300 degrees. In use, this lamp give the appearance of light all-around (360 degrees).

Shipping Data (Subject to change without notice)

E* Testing	Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
		(0-46677)	(5-00-46677)		lbs.	cu. ft.				(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Yes	43367-2	43367-3	43367-8	10	1.84	0.1578	2040	340	6	2.8 x 1.6 x 4.8	5.9 x 8.5 x 5.4	39.4 x 47.2 x 39.8
Yes	43327-6	43327-7	43327-2	10	1.84	0.1578	2040	340	6	2.8 x 1.6 x 4.8	5.9 x 8.5 x 5.4	39.4 x 47.2 x 39.8
Yes	45236-7	45236-0	45236-5	6	1.57	0.1589	300	60	5	4.1 x 4.1 x 5.7	14.7 x 10.4 x 6.4	47.2 x 39.4 x 37.8

See bottom of page 38 for Warnings, Cautions and Instructions.

Decorative lighting

Philips DiamondSpark LED dimmable candle lamps incorporate a revolutionary new prism that allows the optics to radiate brilliant, clear and sparkling white LED light. The improved light quality provides consistent color from every angle – even when dimmed in the most intimate of light levels.

Energy saving LED candle lamps

- 25,000-hour rated average life†
- 2.5W LED candle saves 22.5 watts of energy when compared to a standard 25W incandescent candle‡
- 4.5W candle saves 35.5 watts of energy when compared to a standard 40W incandescent candleϕ
- 6.5W candle saves 53.5 watts of energy when compared to a standard 60W incandescent candle*
- Smooth dimming to 10% of full light levels**
- Emits virtually no UV/IR light in the beam
- Contains no mercury

Easy to experience

- Lowers maintenance costs by reducing re-lamp frequency
- Installs into existing candelabra and medium base fixtures
- 3-year limited warranty depending upon operating hours♦

†) Rated average life based on engineering testing and probability analysis.
‡) Light output from the 3.5W LED candle is 180 lumens compared to 150 lumens for a standard 25W incandescent candle.
ϕ) Light output from the 4.5W LED candle is 320 lumens compared to 300 lumens for a standard 40W incandescent candle.
*)Light output from the 6.5W LED candle is 530 lumens compared to 500 lumens for a standard 60W incandescent candle.
**) Dimmable when using leading and trailing edge dimmers (see Philips Website: www.philips.com/ledtechguide for compatible leading and trailing edge dimmers).
♦ For details see: visit www.philips.com/warranties.

This energy saving example shows an application of 100 lamps in a space currently using 40W incandescent candle 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 standard 40W incandescent candle lamps with Philips 4.5W LED candles can provide significant energy cost savings of $946.00 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 40W Incandescent Candle Lamp		Philips 4.5W LED Candle Lamp
Present Wattage		40 Watts		4.5 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	160,000 watt-hours	=	18,000 watt-hours
÷1,000 =	=	160 kWh per year	=	18 kWh per year
x kWh rate of $0.11	=	$17.60 per year	=	$1.98 per year
x 100 lamps per space	=	$1,760.00 annual energy cost per space	=	$198.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$1,562.00**

A) The 4.5W LED candle is 330 lumens compared to 330 lumens for a typical 40W incandescent candle.

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

Decorative Philips LED Candle and Globe Lamps

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

Product Number	Ordering Description	LED	Bulb	Base	Dimmable	Volts	Rated Avg. Life[1]	Approx. Lumens[2]	CRI	Color Temp.	MOL	Key
		watts					hours			kelvin	inches	
Standard A19 Incandescent 25W ENERGY STAR® Equivalent†												
☐ 43514-9	2.5B13/2700-E12 DIM 8/1	2.5W	B13	Cand.	Y	120V	25,000	180	80	2700	4.4	B
Standard Incandescent Candle 40W ENERGY STAR® Equivalent†												
☐ 45183-1	4.5B13/2700-E12 FR 8/1	4.5W	B13	Cand.	N	120V	25,000	180	80	2700	4.4	E
☐ 43515-6	4.5B13/2700-E12 DIM 8/1	4.5W	B13	Cand.	Y	120V	25,000	330	80	2700	4.4	B
☐ 43516-4	4.5BA13/2700-E12 DIM 8/1	4.5W	BA13	Cand.	Y	120V	25,000	330	80	2700	5.2	A
☐ 43517-2	4.5B13/2700-E26 DIM 8/1	4.5W	B13	Med.	Y	120V	25,000	330	80	2700	4.4	C
Standard Incandescent Candle 60W ENERGY STAR® Equivalent†												
☐ 43518-0	6.5F15/2700-E26 DIM 8/1	6.5W	F15	Med.	Y	120V	25,000	530	80	2700	4.4	D
☐ 45281-3	6.5B13/2700-E26 DIM 8/1	6.5W	B13	Med.	Y	120V	25,000	530	80	2700	4.4	C
Standard Incandescent Globe 40W Equivalent†												
41619-8	BC9G25/AMB/2700 120V	9W	G25	Med.	N	120V	25,000	450	80	2700	4.3	F

1) Rated average life is based on engineering testing and probability analysis.

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

☐ This lamp is currently in ENERGY STAR® testing.

† 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.

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Standard A19 Incandescent 25W ENERGY STAR® Equivalent†												
45183-1	45183-7	45183-2	8	0.8	0.06	3840	1	640	6	1.8 x 1.8 x 4.9	7.5 x 4.0 x 5.5	47.2 x 39.4 x 39.0
43514-9	43514-1	43514-6	8	0.8	0.06	3840	1	640	6	1.8 x 1.8 x 4.9	7.5 x 4.0 x 5.5	47.2 x 39.4 x 39.0
Standard Incandescent Candle 40W ENERGY STAR® Equivalent†												
43515-6	43515-8	43515-3	8	0.8	0.06	3840	1	640	6	1.8 x 1.8 x 4.9	7.5 x 4.0 x 5.5	47.2 x 39.4 x 39.0
43516-4	43516-5	43516-0	8	0.99	0.11	2320	1	464	6	1.8 x 1.3 x 5.7	7.5 x 4.0 x 6.3	47.2 x 39.4 x 37.4
43517-2	43517-2	43517-7	8	0.8	0.06	3840	1	640	6	1.8 x 1.8 x 4.9	7.5 x 4.0 x 5.5	47.2 x 39.4 x 39.0
Standard Incandescent Candle 60W ENERGY STAR® Equivalent†												
43518-0	43518-9	43518-4	8	0.8	0.06	3840	1	640	6	2.0 x 2.0 x 4.8	9.8 x 5.9 x 5.6	47.2 x 39.4 x 39.3
45281-3	45281-0	45281-5	8	0.8	0.06	3840	1	640	6	1.8 x 1.8 x 4.9	7.5 x 4.0 x 5.5	47.2 x 39.4 x 39.0
Standard Incandescent Globe 40W Equivalent†												
41619-8	41619-5	41619-0	4	1.8	0.432	288	1	72	4	5.2 x 3.5 x 7.1	15.3 x 6.1 x 8.0	47.2 x 39.4 x 37.5

See bottom of page 38 for Warnings, Cautions and Instructions.

General lighting

Philips InstantFit LED T8 Lamps are an ideal energy saving alternative to existing linear fluorescent luminaries.

Perfect for a wide range of applications

- Full light output in spaces with temperatures down to -4˚F (-20˚C)
- Perfect for applications with frequent "on/off" switching cycles
- Buildings that desire to be mercury free

Easy to experience

- Instant on, no flicker or buzz
- Fits into existing linear fixtures
- Optimized performance with Instant Start ballasts[ϕ]
- Compatible with select Program Start ballasts[ϕ]
- Eliminates the need for rewiring and allows fixture to maintain original UL and CSA compliance[†]

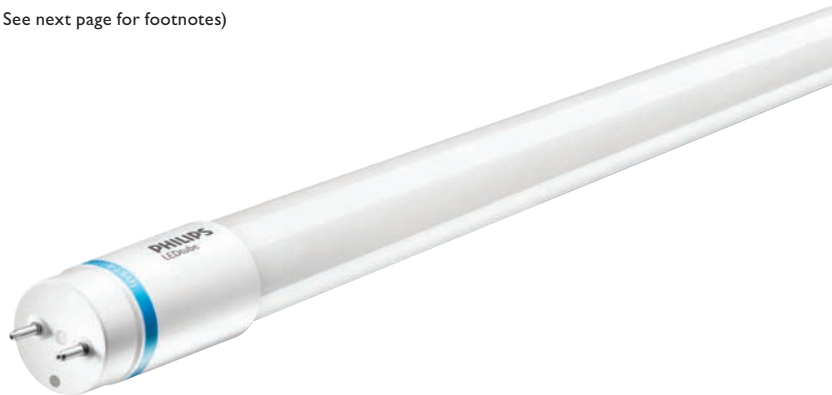
Energy savings

- 41% energy savings vs F32T8 electronic instant start systems[‡]

Sustainable lighting solution

- No mercury allowing for non-hazardous waste disposal
- Emits virtually no UV rays or IR
- Glass-free for use in food areas and refrigerated food displays
- 5 year limited warranty[♦]

(†, ‡, ϕ, ♦, See next page for footnotes)



This energy saving example shows an application of 100 lamps in a space currently using 32W T8 fluorescent system, 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 standard 32W T8 fluorescent lamps with Philips 16.5W LED T8 lamps can provide significant energy cost savings of $682.00 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.

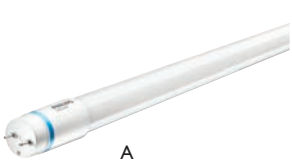
Saving Solution

Estimated Lighting Costs Using a...		Standard 32W T8 Fluorescent System		Philips 16.5W InstantFit LED T8 System
Present System Wattage		32 Watts		16.5 Watts
x Annual Operating Hours		4,000 hours		4,000 hours
	=	128,000 watt-hours	=	66,000 watt-hours
÷1,000 =	=	128 kWh per year	=	66 kWh per year
x kWh rate of $0.11	=	$14.08 per year	=	$7.26 per year
x 100 lamps per space	=	$1,408.00 annual energy cost per space	=	$726.00 annual energy cost per space
		Total Estimated Annual Savings[B]	=	**$682.00**

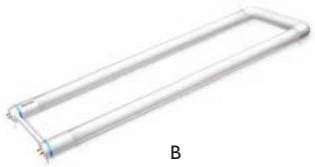
A) At normal ballast factor, 16.5W (System) InstantFit LED T8 is 1600 lumens compared to 2800 lumens for a typical 32W T8 fluorescent system

B) Based on 100 lamps per space operating at 4,380 hours per year.

Sustainable linear Philips LED T8 Lamps



A



B

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

Product Number	Ordering Description	LED	Bulb	Base	Volts	Rated Avg. Life[1]	Approx. Lumens[2]	CRI	Color Temp.	MOL	Key
		watts				hours			kelvin	inches	
Philips LED T8 InstantFit Lamp											
43306-0	14.5T8/48-3000 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1500	82	3000	48	A
43326-8	14.5T8/48-3500 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1500	82	3500	48	A
43307-8	14.5T8/48-4000 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1600	82	4000	48	A
■ 43308-6	14.5T8/48-5000 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1650	82	5000	48	A
LED Instant Fit T8 - 4 ' High Output											
■ 43486-0	16.5T8/48-3000 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2000	82	3000	48	A
■ 43487-8	16.5T8/48-3500 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2000	82	3500	48	A
■ 43488-6	16.5T8/48-4000 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2100	82	4000	48	A
■ 43489-4	16.5T8/48-5000 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2150	82	5000	48	A
LED Instant Fit T8 - 3'											
45205-2	10.5T8/36-3000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1100	82	5000	36	A
45206-0	10.5T8/36-3500 -IF 10/1	10.5	T8	G13	120-277, 347	50,000	1160	82	5000	36	A
45207-8	10.5T8/36-4000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1200	82	5000	36	A
45208-6	10.5T8/36-5000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1270	82	5000	36	A
LED Instant Fit T8 - 2' High Output											
□ 45201-1	8.5T8/24-3000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	950	82	3000	24	A
□ 45202-9	8.5T8/24-3500 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1000	82	3500	24	A
□ 45203-7	8.5T8/24-4000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1050	82	4000	24	A
□ 45204-5	8.5T8/24-5000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1100	82	5000	24	A
LED Instant Fit T8 U-Bent- 6" High Output											
45266-4	16.5T8/22.5-3000 IF-6U 10/1	10.5	T8	G13	120-277, 347	50,000	2000	82	3000	22.5	B
45267-2	16.5T8/22.5-3500 IF-6U 10/1	10.5	T8	G13	120-277, 347	50,000	2000	82	3500	22.5	B
45268-0	16.5T8/22.5-4000 IF-6U 10/1	10.5	T8	G13	120-277, 347	50,000	2800	82	4000	22.5	B
45269-8	16.5T8/22.5-5000 IF-6U 10/1	10.5	T8	G13	120-277, 347	50,000	2950	82	5000	22.5	B

†) Must follow guidelines for installation from Philips Quick Installation Guide included with lamp shipment.

‡) (2) Lamp F32T8 Electronic Instant Start System with 0.88 Ballast Factor= 58 System Watts (2) Philips LED T8 InstantFit = 34 SystemWatts 58 - 34 = 24 SystemWatts Saved 24 / 58 = 41.4% Energy Saved

ϕ) Compatibility subject to change as additional ballasts are tested. If you do not see your ballast on the list, please contact Philips.

♦) See warranty for terms and conditions.

1) Tested to B50 L70 requirement.

2) Photometric testing consistent with IES LM-79.

□ This lamp is currently in DLC testing.

■ This lamp is DLC qualified.

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
Philips LED T8 InstantFit Lamp												
43306-0	43306-2	43306-7	10	4.6	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
43326-8	43326-0	43326-5	10	4.6	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
43307-8	43307-9	43307-4	10	4.6	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
43308-6	43308-6	43308-1	10	4.6	.59	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
Philips LED T8 InstantFit Lamp												
43486-0	43486-1	43486-6	10	4.6	.43	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
43487-8	43487-8	43487-3	10	4.6	.43	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
43488-6	43488-5	43488-0	10	4.6	.43	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
43489-4	43489-2	43489-7	10	4.6	.43	600	1	60	10	1.1 x 1.1 x 48.0	48.8 x 6.0 x 3.5	49.2 x 39.4 x 40.9
Philips LED T8 InstantFit Lamp												
45205-2	45205-6	45205-1	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
45206-0	45206-3	45206-8	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
45207-8	45207-0	45207-5	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
45208-6	45208-7	45208-2	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
Philips LED T8 InstantFit Lamp												
45201-1	45201-8	45201-3	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
45202-9	45202-5	45202-0	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
45203-7	45203-2	45203-7	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
45204-5	45204-9	45204-4	10	4.63	.43	700	1	70	10	1.1 x 1.1 x 36.0	36.5 x 6.0 x 3.4	47.2 x 39.4 x 39.6
Philips LED T8 InstantFit Lamp												
45266-4	45266-7	45266-2	10	5.95	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
45267-2	45267-4	45267-9	10	5.95	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
45268-0	45268-1	45268-6	10	5.95	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4
45269-8	45269-8	45269-3	10	5.95	1.19	300	1	100	3	1.1 x 7.2 x 23.0	23.1 x 7.5 x 11.9	47.2 x 39.4 x 41.4

See below for Warnings, Cautions and Instructions.

WARNINGS & CAUTIONS for PAR38 Outdoor:
- Suitable for use in open luminaries (fixtures)
- Suitable for wet locations
- This lamp is not suitable for totally enclosed fixtures
- This device is not intended for use with emergency exit fixtures or emergency lights
- Suitable for use with dimmers. Visit www.philips.com/dimmercompatibility to find up-to-date dimmer and lighting control compatibility information.
- This product is intended for base up operation
- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn
- Only install in operating environments between -4°F and +113°F (-20°C and +45°C)

WARNINGS & CAUTIONS for non-PAR38 Outdoor lamps:
- Suitable for damp locations
- Not for use in totally enclosed luminaires (fixtures)
- This bulb is not intended for use with emergency exit fixtures or emergency lights.
- Before replacing, turn off power and let bulb 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 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.

See back page for Warnings, Cautions and Instructions.


InstantFit
PHILIPS
LEDtube

PLt-1443BR 8/14

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