



Energy savings that inspire

Philips LED Retrofit Lamps



PHILIPS

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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





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
- Crisp white light with uniform beam distribution
- Smooth dimming to 10% of full light levels for dimmable versions*
- Contain no mercury
- 7W and 10W feature active cooling technology to disperse heat

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 edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible leading edge dimmers.





Accent with higher performance Philips LED MR16 Lamps



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

Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ hours	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. kelvin	MOL inches	Key
Standard Halogen MR16 35W ENERGY STAR® Equivalent†													
43259-1	7MR16/F24 2700 DIM AF	7	MR16	GU5.3	12V	24°	40,000	370	1950	80	2700K	1.9	A
43260-9	7MR16/F24 3000 DIM AF	7	MR16	GU5.3	12V	24°	40,000	370	1950	80	3000K	1.9	A
43261-7	7MR16/F24 4000 DIM AF	7	MR16	GU5.3	12V	24°	40,000	390	2050	80	4000K	1.9	A
43262-5	7MR16/F36 2700 DIM AF	7	MR16	GU5.3	12V	36°	40,000	370	1050	80	2700K	1.9	A
43263-3	7MR16/F36 3000 DIM AF	7	MR16	GU5.3	12V	36°	40,000	370	1050	80	3000K	1.9	A
43264-1	7MR16/F36 4000 DIM AF	7	MR16	GU5.3	12V	36°	40,000	390	1100	80	4000K	1.9	A
Standard Halogen MR16 50W ENERGY STAR® Equivalent†													
42016-6	10MR16/END/F24 2700 12V DIM	10	MR16	GU5.3	12V	24°	25,000	480	1920	83	2700K	1.9	B
41478-9	10MR16/END/F24 3000 12V DIM	10	MR16	GU5.3	12V	24°	25,000	495	1980	83	3000K	1.9	B
42018-2	10MR16/END/F35 2700 DIM 10/1	10	MR16	GU5.3	12V	35°	25,000	470	1260	83	2700K	1.9	B
42019-0	10MR16/END/F35 3000 DIM 10/1	10	MR16	GU5.3	12V	35°	25,000	485	1300	82	3000K	1.9	B
Standard Halogen MR16 75W ENERGY STAR® Equivalent†													
43239-3	10MR16/F24 2700 DIM HO	10	MR16	GU5.3	12V	24°	25,000	640	3120	80	2700K	1.9	C
43240-1	10MR16/F24 3000 DIM HO	10	MR16	GU5.3	12V	24°	25,000	650	3360	80	3000K	1.9	C
43241-9	10MR16/F24 4000 DIM HO	10	MR16	GU5.3	12V	24°	25,000	650	3700	80	4000K	1.9	C
43242-7	10MR16/F36 2700 DIM HO	10	MR16	GU5.3	12V	36°	25,000	640	1880	80	2700K	1.9	C
43243-5	10MR16/F36 3000 DIM HO	10	MR16	GU5.3	12V	36°	25,000	650	2030	80	3000K	1.9	C
43244-3	10MR16/F36 4000 DIM HO	10	MR16	GU5.3	12V	36°	25,000	650	2260	80	4000K	1.9	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 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 example shows an application of 100 lamps accenting a space currently using standard 50W MR16 halogen lamps, operating 4,000 hours per year at a cost of \$0.11 per kWh.⁴ Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 standard 50W MR16 halogen lamps with Philips 10W LED MR16 dimmable lamps can provide significant energy cost savings of \$1,760.00 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 50W MR16 Halogen Lamp	Philips 10W LED MR16 Lamp
Present Wattage	50 Watts	10 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 200,000 watt-hours	= 40,000 watt-hours
+ 1,000 =	= 200 kWh per year	= 40 kWh per year
x kWh rate of \$0.11	= \$22.00 per year	= \$4.40 per year
x 100 lamps per space	= \$2,200.00 annual energy cost per space	= \$440.00 annual energy cost per space
	Total Estimated Annual Savings⁵	= \$1,76 0.00

4) The 10W LED MR16 at 1,920 candela compared to the 50W halogen MR16 at 2,100 candela.

5) 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 MR16 35W ENERGY STAR® Equivalent†												
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†												
42016-6	41475-7	41475-2	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
41478-9	41478-8	41478-3	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
42018-2	42018-5	42018-0	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
42019-0	42019-2	42019-7	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
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 Product Bulletins for Warnings, Cautions and Instructions.



Accent and general lighting

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

Features

- Emit virtually no UV/IR light in the beam
- Crisp white light with uniform beam distribution
- Smooth dimming to 10% of full light levels*
- Contain no mercury
- PAR20 provides a 25° beam angle
- PAR16 GU10 utilizes 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 edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible leading edge dimmers.







Highlight with higher performance Philips LED PAR20 and PARI 6 GU10 Lamps



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

Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ hours	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. kelvin	MOL inches	Key
Standard Halogen PARI 6 50W ENERGY STAR® Equivalent†													
42350-9	6PAR16/F25 3000 DIM	6W	PAR16	GU10	120V	25°	25,000	300	1050	85	3000K	2.2"	A
42931-6	BC6PAR16/AMB/3000 DIM 120V	6W	PAR16	GU10	120V	25°	25,000	300	1050	85	3000K	2.2"	A
Standard Halogen PAR20 50W ENERGY STAR® Equivalent†													
42612-2	8PAR20/F25 2700 DIM 6/I	8W	PAR20	Medium	120V	25°	45,000	450	2300	84	2700	3.5"	B
42613-0	8PAR20/F25 3000 DIM 6/I	8W	PAR20	Medium	120V	25°	45,000	470	2400	84	3000	3.5"	B
42614-8	8PAR20/F25 4000 DIM 6/I	8W	PAR20	Medium	120V	25°	45,000	470	2400	84	4000	3.5"	B
42615-5	8PAR20/F36 2700 DIM 6/I	8W	PAR20	Medium	120V	36°	45,000	450	2300	84	2700	3.5"	B
42616-3	8PAR20/F36 3000 DIM 6/I	8W	PAR20	Medium	120V	36°	45,000	470	2400	84	3000	3.5"	B
42617-1	8PAR20/F36 4000 DIM 6/I	8W	PAR20	Medium	120V	36°	45,000	470	2400	84	4000	3.5"	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.

● Uses AirFlux Technology.

■ This lamp is ENERGY STAR® Certified.

† All Philips LED PAR, BR, and MRI 6 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.

🇨🇦 Available in Canada only.

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.⁴ 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 Savings⁵	= \$1,848.00

4) The 8W LED PAR20 at 1300 candela compared to the 50W halogen PAR20 at 1179 candela.

5) 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 lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/ Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
Standard Halogen PARI 6 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
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
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 Product Bulletins 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

- Now available in two platforms, Single Optic and standard
- 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
- Crisp white light with uniform beam distribution
- Smooth dimming to 10% of full light levels*‡
- Contain no mercury

Benefits

- Single Optic maximizes focus on merchandise with improved visual comfort
- Blend seamlessly into existing track luminaires
- 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

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

‡ Single Optic PAR30S lamps are not dimmable





Accent with higher performance Philips LED PAR30S 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
PAR30S (Short) LED – Standard Halogen 75W ENERGY STAR® Equivalent†														
42344-2	I3PAR30S/F25 2700 DIM AF 6/I	13	PAR30S	Med	Y	120	25	25,000	720	3000	83	2700	3.5	A
42346-7	I3PAR30S/F36 2700 DIM AF 6/I	13	PAR30S	Med	Y	120	36	25,000	720	1450	83	2700	3.5	A
42345-9	I3PAR30S/F25 3000 DIM AF 6/I	13	PAR30S	Med	Y	120	25	25,000	750	3150	83	3000	3.5	A
42347-5	I3PAR30S/F36 3000 DIM AF 6/I	13	PAR30S	Med	Y	120	36	25,000	750	1550	83	3000	3.5	A
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent†														
SO 43236-9	I2PAR30S/S15 2700 ND AF RO 6/I	12	PAR30S	Med	N	120	15	25,000	850	7400	83	2700	3.5	
SO 43237-7	I2PAR30S/S15 3000 ND AF RO 6/I	12	PAR30S	Med	N	120	15	25,000	850	7900	83	3000	3.5	
SO 43238-5	I2PAR30S/S15 4000 ND AF RO 6/I	12	PAR30S	Med	N	120	15	25,000	900	8500	83	4000	3.5	
SO 42692-4	I2PAR30S/F25 2700 AF SO	12	PAR30S	Med	N	120	25	25,000	850	5000	83	2700	3.5	
SO 43296-2	I2PAR30S/F25 2700 AF SO-B	12	PAR30S	Med	N	120	25	25,000	850	5000	83	2700	3.5	C
SO 42693-2	I2PAR30S/F25 3000 AF SO	12	PAR30S	Med	N	120	25	25,000	900	5300	83	3000	3.5	
SO 43297-0	I2PAR30S/F25 3000 AF SO-B	12	PAR30S	Med	N	120	25	25,000	900	5300	83	3000	3.5	C
SO 42694-0	I2PAR30S/F25 4000 AF SO	12	PAR30S	Med	N	120	25	25,000	950	5500	83	4000	3.5	
SO 42695-6	I2PAR30S/F36 2700 AF SO	12	PAR30S	Med	N	120	36	25,000	850	1850	83	2700	3.5	
SO 42696-4	I2PAR30S/F36 3000 AF SO	12	PAR30S	Med	N	120	36	25,000	900	1960	83	3000	3.5	
SO 42697-2	I2PAR30S/F36 4000 AF SO	12	PAR30S	Med	N	120	36	25,000	950	2100	83	4000	3.5	

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.

SO Single Optic

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.⁴ 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 Savings⁵	= \$2,772.00

4) The 12W PAR30S at 3120 candela compared to the 75W halogen PAR30S at 2910 candela.

5) 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 lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
PAR30S (Short) LED – Standard Halogen 75W ENERGY STAR® Equivalent†												
42344-2	42344-5	42344-0	6	2.3	0.315	672	1	96	7	4.0 x 4.0 x 4.3	8.6 x 12.9 x 4.9	38.8 x 43.1 x 34.1
42346-7	42346-9	42346-4	6	2.3	0.315	672	1	96	7	4.0 x 4.0 x 4.3	8.6 x 12.9 x 4.9	38.8 x 43.1 x 34.1
42345-9	42345-2	42345-7	6	2.3	0.315	672	1	96	7	4.0 x 4.0 x 4.3	8.6 x 12.9 x 4.9	38.8 x 43.1 x 34.1
42347-5	42347-6	42347-1	6	2.3	0.315	672	1	96	7	4.0 x 4.0 x 4.3	8.6 x 12.9 x 4.9	38.8 x 43.1 x 34.1
PAR30S (Short) LED Retail 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
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
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 Product Bulletins 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

- Now available in two platforms, Single Optic and standard
- 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
- Crisp white light with uniform beam distribution
- Smooth dimming to 10% of full light levels*
- Contain no mercury

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 edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible leading edge dimmers.





Excellent uniformity with Philips LED PAR30L 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
PAR30L (Long) LED – Standard Halogen 75W ENERGY STAR® Equivalent†													
43094-2	11PAR30L/F25 2700 DIM AF 6/I	11	PAR30L	Medium	120	25	25,000	720	3200	80	2700	4.4"	A
43095-8	11PAR30L/F25 3000 DIM AF 6/I	11	PAR30L	Medium	120	25	25,000	750	3200	81	3000	4.4"	A
43097-4	11PAR30L/F36 2700 DIM AF 6/I	11	PAR30L	Medium	120	36	25,000	720	1512	80	2700	4.4"	A
43098-2	11PAR30L/F36 3000 DIM AF 6/I	11	PAR30L	Medium	120	36	25,000	750	1512	81	3000	4.4"	A
PAR30L (Long) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent†													
SO 43012-4	12PAR30L/F25 2700 DIM RO AF 6/I	12	PAR30L	Medium	120	25	25,000	850	5000	80	2700	4.4"	B
SO 43013-2	12PAR30L/F25 3000 DIM RO AF 6/I	12	PAR30L	Medium	120	25	25,000	900	5300	81	3000	4.4"	B
SO 43014-0	12PAR30L/F25 4000 DIM RO AF 6/I	12	PAR30L	Medium	120	36	25,000	950	5500	80	4000	4.4"	B
SO 43015-7	12PAR30L/F36 2700 DIM RO AF 6/I	12	PAR30L	Medium	120	36	25,000	850	1850	81	2700	4.4"	B
SO 43016-5	12PAR30L/F36 3000 DIM RO AF 6/I	12	PAR30L	Medium	120	36	25,000	900	1960	80	3000	4.4"	B
SO 43017-3	12PAR30L/F36 4000 DIM RO AF 6/I	12	PAR30L	Medium	120	36	25,000	950	2100	81	4000	4.4"	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 MRI 6 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.

SO Single Optic

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.⁴ 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 Savings⁵	= \$2,772.00

4) The 12W PAR30L at 3120 candela compared to the 75W halogen PAR30L at 2910 candela.

5) 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 lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
PAR30S (Long) LED – Standard Halogen 75W ENERGY STAR® Equivalent†												
43094-2	42047-5	42047-0	6	3.15	0.315	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
43095-8	42049-9	42049-4	6	3.15	0.315	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
43097-4	42080-2	42080-7	6	3.15	0.315	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
43098-2	42050-5	42050-0	6	3.15	0.315	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
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 Product Bulletins 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

- Now available in two platforms, Single Optic and standard
- 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
- Crisp white light with uniform beam distribution
- Smooth dimming to 10% of full light levels*
- Contain 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 single, hospitality, office and residential spaces

* Dimmable when using leading edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible leading edge dimmers.
Exception: 17PAR38/END/F25 3000 Outdoor lamp (41855-8) is not dimmable.



Highlight with Philips LED PAR38 Lamps



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

Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ hours	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. kelvin	MOL inches	Key	
PAR38 LED – Standard Halogen 75W ENERGY STAR® Equivalent†														
SO	43003-3	13PAR38/S15 2700 DIM AF SO	13	PAR38	Medium	120V	15	25,000	900	7700	80	2700	5.2"	C
SO	43004-1	13PAR38/S15 3000 DIM AF SO	13	PAR38	Medium	120V	15	25,000	900	8100	80	3000	5.2"	C
SO	43005-8	13PAR38/S15 4000 DIM AF SO	13	PAR38	Medium	120V	15	25,000	1000	8600	80	4000	5.2"	C
SO	43006-6	13PAR38/F25 2700 DIM AF SO	13	PAR38	Medium	120V	25	25,000	900	5300	80	2700	5.2"	C
SO	43007-4	13PAR38/F25 3000 DIM AF SO	13	PAR38	Medium	120V	25	25,000	950	5500	80	3000	5.2"	C
SO	43008-2	13PAR38/F25 4000 DIM AF SO	13	PAR38	Medium	120V	25	25,000	1000	5500	80	4000	5.2"	C
SO	43009-0	13PAR38/F36 2700 DIM AF SO	13	PAR38	Medium	120V	36	25,000	900	1980	80	2700	5.2"	C
SO	43010-8	13PAR38/F36 3000 DIM AF SO	13	PAR38	Medium	120V	36	25,000	950	2100	80	3000	5.2"	C
SO	43011-6	13PAR38/F36 4000 DIM AF SO	13	PAR38	Medium	120V	36	25,000	1000	2200	80	4000	5.2"	C
PAR38 LED – Standard Halogen 90W ENERGY STAR® Equivalent†														
	41855-8	17PAR38/F25 3000 OD 6/1	17	PAR38	Medium	120V	25	25,000	1050	4000	81	3000	5.2"	B
Standard Halogen PAR38 120W ENERGY STAR® Equivalent†														
	42902-7	17PAR38/F25 2700 DIM AF 6/1	16.5	PAR38	Medium	120V	25	45,000	1100	6000	80	2700	5.2"	A
	42905-0	17PAR38/F36 2700 DIM AF 6/1	16.5	PAR38	Medium	120V	36	45,000	1100	2500	80	2700	5.2"	A
	42900-1	17PAR38/S15 3000 DIM AF 6/1	16.5	PAR38	Medium	120V	15	45,000	1200	10,000	80	3000	5.2"	A
	42903-5	17PAR38/F25 3000 DIM AF 6/1	16.5	PAR38	Medium	120V	25	45,000	1200	6000	80	3000	5.2"	A
	42906-8	17PAR38/F36 3000 DIM AF 6/1	16.5	PAR38	Medium	120V	36	45,000	1200	2500	80	3000	5.2"	A
SO	43000-9	19PAR38/S15 2700 DIM AF SO	19	PAR38	Medium	120V	15	25,000	1200	10,000	80	2700	5.2"	C
SO	43001-7	19PAR38/S15 3000 DIM AF SO	19	PAR38	Medium	120V	15	25,000	1250	11,000	80	3000	5.2"	C
SO	43002-5	19PAR38/S15 4000 DIM AF SO	19	PAR38	Medium	120V	15	25,000	1300	11,000	80	4000	5.2"	C
SO	42908-4	19PAR38/F25 2700 DIM AF SO	19	PAR38	Medium	120V	25	25,000	1180	6800	80	2700	5.2"	C
SO	43298-8	19PAR38/F25 2700 DIM AF SO-B	19	PAR38	Medium	120V	25	25,000	1190	6000	80	2700	5.2"	D
SO	42909-2	19PAR38/F25 3000 DIM AF SO	19	PAR38	Medium	120V	25	25,000	1250	7100	80	3000	5.2"	C
SO	43299-6	19PAR38/F25 3000 DIM AF SO-B	19	PAR38	Medium	120V	25	25,000	1250	6500	80	3000	5.2"	D
SO	43201-3	19PAR38/F25 3000 DIM AF SO-S	19	PAR38	Medium	120V	25	25,000	1200	6500	80	3000	5.2"	E
SO	42910-0	19PAR38/F25 4000 DIM AF SO	19	PAR38	Medium	120V	25	25,000	1300	7500	80	4000	5.2"	C
SO	42911-8	19PAR38/F36 2700 DIM AF SO	19	PAR38	Medium	120V	36	25,000	1170	3200	80	2700	5.2"	C
SO	42912-6	19PAR38/F36 3000 DIM AF SO	19	PAR38	Medium	120V	36	25,000	1190	3400	80	3000	5.2"	C
SO	42913-4	19PAR38/F36 4000 DIM AF SO	19	PAR38	Medium	120V	36	25,000	1300	3600	80	4000	5.2"	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 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.

SO Single Optic



Highlight with Philips LED PAR38 Lamps

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	SKU/ Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (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†												
41855-8	41855-7	41855-2	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
42540-5	42540-1	42540-6	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
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
42542-1	42542-5	42542-0	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
42543-9	42543-2	42543-7	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
42544-7	42544-9	42544-4	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

See Product Bulletins for Warnings, Cautions and Instructions.

This energy saving example shows an application of 100 lamps in a space currently using 75W halogen PAR38 lamps, operating 4,000 hours per year at a cost of \$0.11 per kWh.⁴ Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 halogen 75W PAR38 lamps with Philips 13W LED PAR38 lamps can provide significant energy cost savings of \$3,388.00 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 90W PAR38 Halogen Lamp	Philips 13W LED PAR38 Lamp
Present Wattage	90 Watts	13 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 360,000 watt-hours	= 52,000 watt-hours
÷ 1,000 =	= 360 kWh per year	= 52 kWh per year
x kWh rate of \$0.11	= \$39.60 per year	= \$5.72 per year
x 100 lamps per space	= \$3,960.00 annual energy cost per space	= \$572.00 annual energy cost per space
	Total Estimated Annual Savings⁵	= \$3,388.00

4) The 13W LED PAR38 at 5500 candela compared to the 90W halogen PAR38 at 3697 candela.

5) 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†												
42902-7	42902-7	42902-2	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
42905-0	42905-8	42905-3	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
42900-1	42900-3	42900-8	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
42903-5	42903-4	42903-9	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
42906-8	42906-5	42906-0	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
42549-6	42549-4	42549-9	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
42550-4	42550-0	42550-5	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
42335-0	42335-3	42335-8	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
42545-4	42545-6	42545-1	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
42547-0	42547-0	42547-5	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
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
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
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 Product Bulletins 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*
- Contain no mercury
- Energy Star® certified BR30 and BR40

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 edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible leading edge dimmers.



Airflux
TECHNOLOGY

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.¹ Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 standard incandescent 65W BR30 lamps with Philips 10.5W LED BR30 lamps can provide significant energy cost savings of \$2,398.00 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	10.5 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 260,000 watt-hours	= 42,000 watt-hours
+ 1,000 =	= 260 kWh per year	= 42 kWh per year
x kWh rate of \$0.11	= \$28.60 per year	= \$4.62 per year
x 100 lamps per space	= \$2,860.00 annual energy cost per space	= \$462.00 annual energy cost per space
	Total Estimated Annual Savings²	= \$2,398.00

- 1) The 14.5W LED BR30 at 800 lumens compared to the 65W standard BR30 incandescent at 650 lumens.
 2) 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 watts	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ³ hours	Approx. Lumens ⁴	CRI	Color Temp. kelvin	MOL inches
Standard Halogen R20 50W ENERGY STAR® Equivalent†											
42881-3	8R20/END/F25 2700 DIM 6/1	8W	BR30	Medium	120V	90°	25,000	530	80	2700	3.5"
Standard Halogen BR30 65W ENERGY STAR® Equivalent†											
42055-4	10.5BR30/F90 2700 DIM AF 6/1	10.5W	BR30	Medium	120V	90°	45,000	730	81	2700	5.1"
Standard Halogen BR40 65W ENERGY STAR® Equivalent†											
42056-2	12BR40/END/S90 2700-800 DIM AF 6/1	12W	BR40	Medium	120V	90°	25,000	800	82	2700	6.5"

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (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

- 3) Rated average life is based on engineering testing and probability analysis.
 4) Based on photometric testing consistent with IES LM-79.
 • 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 Product Bulletins 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

- Omni-directional 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

* Exception: 8A19/END 2700 DIM (40993-8) does not feature omni-directional illumination.

** Dimmable when using leading edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible leading edge 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.¹ 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 Savings²	= \$2,156.00

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



Ambient lighting with Philips LED A-Shape Lamps

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

Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Rated Avg. Life ³ hours	Approx. Lumens ⁴	CRI	Color Temp. kelvin	MOL inches	Key
Standard Incandescent A19†											
42348-3	7A19/END/2700 DIM 6/1	7	A19	Medium	120V	25,000	470	81	2700	4.0	A
42349-1	11A19/END/2700 DIM 6/1	11	A19	Medium	120V	25,000	830	81	2700	4.0	A
Standard Incandescent A21†											
43218-7	15A21/2700-WHT DIM	15	A21	Medium	120V	25,000	1100	80	2700	4.8	B
43221-1	19A21/2700-WHT DIM	19	A21	Medium	120V	25,000	1680	80	2700	4.8	B

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/ Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
Standard Incandescent A19†												
42348-3	42348-3	42348-8	6	2.45	0.131	1224	204	6	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	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	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	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

- 3) Rated average life is based on engineering testing and probability analysis.
 4) 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 Product Bulletins for Warnings, Cautions and Instructions.

The perfect LED solution

Philips CorePro LED Lamps provide an energy efficient solution lighting solution with the assurance of Philips quality.

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

CorePro LED BR30 Lamps with AirFlux Technology also have a sleek lightweight design and provide a soft, diffused level of light that reduces glare and are ideal for downlighting.

CorePro LED A-Shape Lamps are an excellent choice when replacing standard incandescent A-Shape lamps.

Benefits

- Helps lower maintenance costs
- Instant-on light
- Contains no mercury
- Emits virtually no UV/IR light in the beam
- Will not fade colors, helps avoid inventory spoilage
- 2- or 3-year limited warranty*

Applications

- The perfect choice to replace existing Incandescent lamps in any application

* For details see: www.philips.com/warranties



Highlight with Philips LED PAR38 Lamps

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

Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ hours	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. kelvin	MOL inches	Key
Standard Incandescent A19 60W ENERGY STAR® Equivalent†													
43051-2	10.5A19/COREPRO/3000 6/1	10.5	A19	Medium	120V		20,000	800		80	3000	4	
Standard Incandescent BR 65W ENERGY STAR® Equivalent†													
42949-8	9.5BR30/COREPRO/F90 2700 AF 6/1	9.5	BR30	Medium	120V		25,000	650		80	2700	5.1"	
Standard Incandescent BR 75W ENERGY STAR® Equivalent†													
42632-0	13PAR38/COREPRO/F25 2700 AF 6/1	I3	PAR38	Medium	120V		25,000	830		80	2700	5.2"	
42633-8	13PAR38/COREPRO/F25 3000 AF 6/1	I3	PAR38	Medium	120V		25,000	830		80	3000	5.2"	
42634-6	13PAR38/COREPRO/F25 4000 AF 6/1	I3	PAR38	Medium	120V		25,000	830		80	4000	5.2"	

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
Standard Incandescent A19 60W ENERGY STAR® Equivalent†												
43051-2	42881-5	42881-0	6	2.45	0.131	1224		204	6	2.72 x 2.72 x 4.80	8.40 x 5.60 x 4.80	47.2 x 39.4 x 34.9
Standard Incandescent BR 65W ENERGY STAR® Equivalent†												
42949-8	429492	429497	6	2.45	0.159	300		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 Incandescent BR 75W ENERGY STAR® Equivalent†												
42632-0	426323	426328	6	7.35	0.641	324		54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42633-8	426330	426335	6	7.35	0.641	324		54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0
42634-6	426347	426342	6	7.35	0.641	324		54	6	5.1 x 5.1 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38.0

- 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.

RO Retail Optic

Decorative lighting

Philips LED Candle and Globe Lamps offer decorative ambience and an energy saving alternative to incandescent sources.

Features

- Deliver omni-directional light
- Similar ambience as traditional incandescent candles
- Emit virtually no UV/IR light in the beam
- Smooth dimming to 10% of full light levels*
- Contain no mercury
- Energy Star® certified

Benefits

- Create the perfect ambience
- Uniform illumination
- Will not fade colors, avoids inventory spoilage
- Long rated average life—reduced maintenance cost
- Low energy use and waste—better for the environment

Applications

- Chandeliers, wall sconces, and decorative luminaires
- Accent and decorative lighting in retail, hospitality and residential spaces

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



This energy saving example shows an application of 100 lamps in a space currently using 25W incandescent candle lamps, operating 4,000 hours per year at a cost of \$0.11 per kWh.³ Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 standard 25W incandescent candle lamps with Philips 3.5W 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 25W Incandescent Candle Lamp	Philips 3.5W LED Candle Lamp
Present Wattage	25 Watts	3.5 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 100,000 watt-hours	= 14,000 watt-hours
+1,000 =	= 100 kWh per year	= 14 kWh per year
x kWh rate of \$0.11	= \$11.00 per year	= \$1.54 per year
x 100 lamps per space	= \$1,100.00 annual energy cost per space	= \$154.00 annual energy cost per space
	Total Estimated Annual Savings⁴	= \$946.00

- 3) The 3.5W LED candle is 180 lumens compared to 150 lumens for a typical 25W incandescent candle.
 4) 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 watts	Bulb	Base	Volts	Rated Avg. Life ¹ hours	Approx. Lumens ²	CRI	Color Temp. kelvin	MOL inches	Key
Standard Incandescent Candle 25W Equivalent[†]											
42778-1	3.5BA11/2700-E12 DIM 8/I	3.5	BA11	Candelabra	120V	25,000	180	80	2700	4.0"	A
42779-9	3.5B11/2700-E12 DIM 8/I	3.5	B11	Candelabra	120V	25,000	180	80	2700	4.0"	B
42780-7	3.5F15/2700-E26 DIM 8/I	3.5	F15	Medium	120V	25,000	180	80	2700	4.4"	C
42781-5	3.5B12/2700-E26 DIM 8/I	3.5	B12	Medium	120V	25,000	180	80	2700	4.1"	D
Standard Incandescent Candle 40W Equivalent[†]											
42935-7	4.5F15/2700-E26 DIM 8/I	4.5	F15	Medium	120V	25,000	320	80	2700	4.4"	E
Standard Incandescent Globe 40W Equivalent[†]											
41619-8	BC9G25/AMB/2700 120V	4.5	G25	Medium	120V	25,000	435	80	2700		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 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.

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
Standard Incandescent Candle 25W Equivalent[†]												
42778-1	42778-8	42778-3	8	0.8	0.06	3840	640	6	6	1.4 x 1.4 x 4.2	3.4 x 6.5 x 4.7	39.0 x 46.3 x 28.1
42779-9	42779-5	42779-0	8	0.8	0.06	3840	640	6	6	1.4 x 1.4 x 4.2	3.4 x 6.5 x 4.7	39.0 x 46.3 x 28.1
42780-7	42780-1	42780-6	8	0.8	0.06	3840	640	6	6	1.4 x 1.4 x 4.2	3.4 x 6.5 x 4.7	39.0 x 46.3 x 28.1
42781-5	42781-8	42781-3	8	0.8	0.06	3840	640	6	6	1.4 x 1.4 x 4.2	3.4 x 6.5 x 4.7	39.0 x 46.3 x 28.1
Standard Incandescent Candle 40W Equivalent[†]												
42935-7	42935-5	42935-0	8	0.8	0.06	3840	640	6	6	1.4 x 1.4 x 4.2	3.4 x 6.5 x 4.7	39.0 x 46.3 x 28.1
Standard Incandescent Globe 40W Equivalent[†]												
41619-8	41619-5											

See Product Bulletins for Warnings, Cautions and Instructions.



General lighting

Philips LED T8 Lamps and T8 System with Optifuse Technology are an ideal energy saving alternative to existing linear fluorescent luminaires.

Features

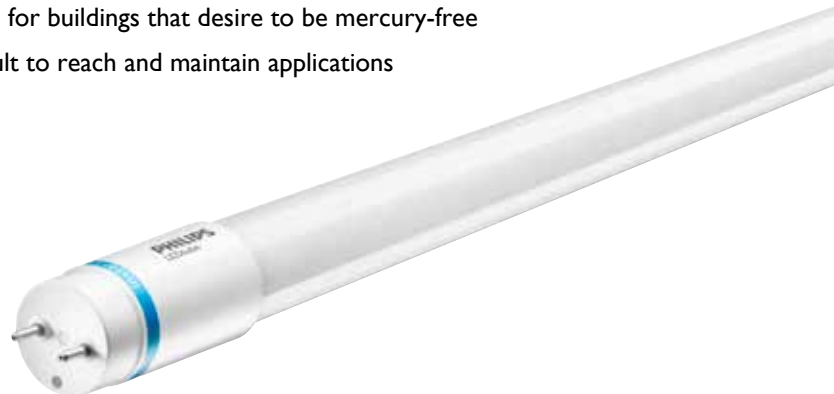
- 100% light output down to -22°F (-30°C)
- Instant on, no flicker or buzz
- Emit virtually no UV light in the beam
- Robust glass-free design
- Compatible with occupancy sensors
- Contain no mercury

Benefits

- Energy saving replacement for T8
- High light levels in cold environment provide uniform illumination and improved product visibility
- Versatile and vibration resistant for broader applications
- Perfect for frequent on/off switching
- Low energy use and waste—better for the environment
- Long rated average life—reduced maintenance cost

Applications

- Ideal for T8 luminaires
- Luminaires with occupancy sensors or applications that require frequent switching
- Suited for buildings that desire to be mercury-free
- Difficult to reach and maintain applications



This energy saving example shows an application of 100 lamps in a space currently using 32W T8 fluorescent system, operating 4,380 hours per year at a cost of \$0.11 per kWh.¹ 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 14.5W InstantFit LED T8
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 Savings²	= \$682.00

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

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

Sustainable linear Philips LED T8 Lamps

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



Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Rated Avg. Life ¹ hours	Approx. Lumens ²	CRI	Color Temp. kelvin	MOL inches	Key
Philips LED T8 InstantFit Lamp											
43306-0	14.5T8/48-3000 IF 10/1	14.5	T8	G13	120-277, 347	40,000	1500	83	3000	48	A
43326-8	14.5T8/48-3500 IF 10/1	14.5	T8	G13	120-277, 347	40,000	1500	83	3500	48	A
43307-8	14.5T8/48-4000 IF 10/1	14.5	T8	G13	120-277, 347	40,000	1600	83	4000	48	A
43308-6	14.5T8/48-5000 IF 10/1	14.5	T8	G13	120-277, 347	40,000	1650	83	5000	48	A
Philips LED T8 Specifier Series T8 External Driver											
42719-5	22T8/EXT/48-3500K UNV	22.5	T8	G13	100-277	50,000	2500	85	3500	48	B
42720-3	22T8/EXT/48-4000K UNV	22.5	T8	G13	100-277	50,000	2500	85	4000	48	B
42721-1	22T8/EXT/48-6500K UNV	22.5	T8	G13	100-277	50,000	2500	85	6500	48	B

Lamp Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight lbs.	Case Cube cu. ft.	Pallet Qty.	Lamps/SKU	SKU/Layer	Layers High	SKU Dimensions (w x d x h) inches	Case Dimensions (w x d x h) inches	Pallet Dimensions (w x d x h) inches
Philips LED T8 InstantFit Lamp												
43306-0	43306-2	43306-7	10	8.2	4.63	10	204	6	10	1.2 x 23.6 x 1.2	25.2 x 7.1 x 4.0	51.2 x 35.8 x 43.3
43326-8	43326-0	43326-5	10	8.2	4.63	10	180	4	10	1.2 x 23.6 x 1.2	25.2 x 7.1 x 4.0	51.2 x 35.8 x 43.3
43307-8	43307-9	43307-4	10	13.9	8.96	10	204	6	10	1.2 x 47.2 x 1.2	48.8 x 7.1 x 4.0	51.2 x 42.1 x 43.3
43308-6	43308-6	43308-1	10	13.9	8.96	10	180	4	10	1.2 x 47.2 x 1.2	48.8 x 7.1 x 4.0	51.2 x 42.1 x 43.3
Philips LED T8 Specifier Series T8 External Driver												
42719-5	42719-1	42719-6	10	13.9	8.96	10	180	4	10	1.2 x 47.2 x 1.2	48.8 x 7.1 x 4.0	51.2 x 42.1 x 43.3
42720-3	42720-7	42720-2	10	13.9	8.96	10	180	4	10	1.2 x 47.2 x 1.2	48.8 x 7.1 x 4.0	51.2 x 42.1 x 43.3
42721-1	42721-4	42721-9	10	13.9	8.96	10	180	4	10	1.2 x 47.2 x 1.2	48.8 x 7.1 x 4.0	51.2 x 42.1 x 43.3

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

Product Number	Ordering Code	No. of Lamps	Input Volts	Lamp Starting Method	Driver Family	Input Power (W)	Line Current (Amps)		Min. Starting Temp (F/C)
							120V	277V	
Philips LED T8 System Drivers									
48H450	ICN2P24TLEDSC35M	1	120-277V (+/-10%)	Instant Start	Centium	25W	0.20A	0.09A	0°F/-18°C
48H450	ICN2P24TLEDSC35M	2	120-277V (+/-10%)	Instant Start	Centium	48W	0.40A	0.17A	0°F/-18°C
48H451	ICN4P24TLEDSC35M	3	120-277V (+/-10%)	Instant Start	Centium	69W	0.61A	0.27A	0°F/-18°C
48H451	ICN4P24TLEDSC35M	4	120-277V (+/-10%)	Instant Start	Centium	93W	0.82A	0.36A	0°F/-18°C

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

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

See Product Bulletins for Warnings, Cautions and Instructions.



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