



PHILIPS

LED Lamps

Grainger Brochure



Energy savings
that inspire



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Transforming LED lighting

The world-wide transformation to energy-efficient LED technologies continues at a rapid pace; and Philips remains on the cutting-edge with exciting, meaningful LED solutions that help to transform environments and reinforce brand identities, while reducing lighting-related energy costs and minimizing environmental impact.

Our lighting expertise

As the world's largest lighting company, and a trusted lighting brand for over 123 years, we listen and respond to our customers; and focus our research investments into building meaningful LED innovations that can help to save money, beautify spaces and inspire action. Our expertise extends throughout the entire LED solution as we manufacture all of the LED components, thus ensuring efficient and reliable performance.

Inherent product quality

By employing the latest advances in optics, electrical LED packages, lamp shape and heat management methods, we can produce high-quality, long-lasting LED solutions for you. Additionally, all our products are subject to rigorous internal production standards as well as third-party testing and certification. In this manner, we can provide you with high-quality and consistently-performing products that meet or exceed the latest environmental, safety and regulatory standards and codes, and allow you to make confident, informed decisions.

Creating value for you

As a simple, convenient replacement of other lighting technologies, our LED retrofit lamps are installed quickly and without complexity so you can immediately enjoy a beautifully lit space in a sustainable manner. Reduced energy, maintenance and relamping savings add up to fast payback times, and in the long term, reduce your total cost of ownership. With Philips LED solutions, your future is brighter than ever.

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

We're making LED lighting **work better**

By anticipating customer needs and continually developing market-leading LED technologies, we deliver lighting innovations and efficiencies that enhance your retail environment. One such innovation is our LED lamps with AirFlux Technology. This unique, lightweight thermal management design uses air around the lamp to cool the LEDs instead of using a finned heat sink. This extends the lamp's efficiency with long life and improved lumen maintenance, and also helps to reduce waste. The elegant aesthetic includes a smooth white finish to create a quiet ceiling, while the single LED optic provides visual comfort as it accentuates your merchandise.

- Specialized airflow design increases efficiency and helps to extend the lamp's life
- Smooth white finish and lightweight design seamlessly blend into the ceiling
- Single LED optic creates visual comfort without distraction





Philips LED MR16 and MRX16 Dimmable LED Lamps with smooth dimming provide ambient level light to illuminate hard to maintain applications.



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

Product Number	Ordering Description	Nom. Bulb (watts)	Base	Volts	Beam Angle	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
Standard Halogen MR16 35W ENERGY STAR® Equivalent†												
38NF55	6.5MR16/F25/2700-2200 DIM 12V	6.5	MR16	GU5.3	12V	25,000	410	1750	80	2700-2200	2	A
38NF56	6.5MR16/F35/2700-2200 DIM 12V	6.5	MR16	GU5.3	12V	25,000	410	900	80	2700-2200	2	A
34TE75	6.5MRX16/F35 2700 DIM AF	6.5	MR16	GU5.3	12V	25,000	450	900	81	2700	1.9	A
35DZ63	6.5MRX16/F35 3000 DIM AF	6.5	MR16	GU5.3	12V	25,000	460	960	81	3000	1.9	A
Standard Halogen MR16 30W ENERGY STAR® Equivalent†												
49H085	7MRX16/S15 2700 DIM AF	7	MR16	GU5.3	12V	40,000	380	2650	80	2700	2.1	B
49H086	7MRX16/S15 3000 DIM AF	7	MR16	GU5.3	12V	40,000	420	2650	81	3000	2.1	B
49H087	7MRX16/S15 4000 DIM AF	7	MR16	GU5.3	12V	40,000	440	2750	83	4000	2.1	B
Standard Halogen MR16 50W ENERGY STAR® Equivalent†												
49H079	7MRX16/F25 2700 DIM AF	7	MR16	GU5.3	12V	40,000	370	1950	80	2700	2.1	B
49H080	7MRX16/F25 3000 DIM AF	7	MR16	GU5.3	12V	40,000	370	1950	80	3000	2.1	B
49H081	7MRX16/F25 4000 DIM AF	7	MR16	GU5.3	12V	40,000	390	2050	80	4000	2.1	B
49H082	7MRX16/F35 2700 DIM AF	7	MR16	GU5.3	12V	40,000	370	1050	80	2700	2.1	B
49H083	7MRX16/F35 3000 DIM AF	7	MR16	GU5.3	12V	40,000	370	1050	80	3000	2.1	B
49H084	7MRX16/F35 4000 DIM AF	7	MR16	GU5.3	12V	40,000	390	1100	80	4000	2.1	B
Standard Halogen MR16 50W ENERGY STAR® Equivalent†												
20VC09	7MRX16/F25 2700 DIM AF HO	7	MR16	GU5.3	12V	40,000	500	2400	82	2700	2.1	B
20VC10	7MRX16/F25 3000 DIM AF HO	7	MR16	GU5.3	12V	40,000	510	2500	82	3000	2.1	B
20VC11	7MRX16/F30 2700 DIM AF HO	7	MR16	GU5.3	12V	40,000	500	1300	82	2700	2.1	B
20VC12	7MRX16/F30 3000 DIM AF HO	7	MRX6	GU5.3	12V	40,000	510	1350	82	3000	2.1	B
Standard Halogen MR16 75W ENERGY STAR® Equivalent†												
49H088	10MRX16/F25 2700 DIM HO	10	MR16	GU5.3	12V	25,000	640	3120	80	2700	2.1	C
49H089	10MRX16/F25 3000 DIM HO	10	MR16	GU5.3	12V	25,000	650	3360	80	3000	2.1	C
49H090	10MRX16/F25 4000 DIM HO	10	MR16	GU5.3	12V	25,000	650	3700	80	4000	2.1	C
49H091	10MRX16/F35 2700 DIM HO	10	MR16	GU5.3	12V	25,000	640	1880	80	2700	2.1	C
49H092	10MRX16/F35 3000 DIM HO	10	MR16	GU5.3	12V	25,000	650	2030	80	3000	2.1	C
49H093	10MRX16/F35 4000 DIM HO	10	MR16	GU5.3	12V	25,000	650	2260	80	4000	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.

Light dims to a warm glow, similar to incandescent

ENERGY STAR® Certified LED Lamp.

† 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 75W 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 (0-46677)	SKU UPC (5-00-46677)	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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
Standard Halogen MR16 35W ENERGY STAR® Equivalent												
38NF55	45453-1	45453-6	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
38NF56	45454-8	45454-3	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
34TE75	45351-0	45351-5	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
35DZ63	45350-3	45350-8	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												
49H085	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
49H086	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
49H087	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
Standard Halogen MR16 30W ENERGY STAR® Equivalent												
49H079	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
49H080	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
49H081	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
49H082	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
49H083	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
49H084	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												
20VC09	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
20VC10	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
20VC11	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
20VC12	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												
49H088	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
49H089	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
49H090	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
49H091	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
49H092	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
49H093	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 19 for Warnings, Cautions and Instructions.

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.

Highlight with higher performance Philips LED Indoor GU10 and PAR20 Lamps provide intensity and punch in a compact size.



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

Product Number	Ordering Description	Nom. (watts)	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
Standard Halogen GU10 50W ENERGY STAR[®] Equivalent[†]													
■ ● TBD	8PAR20/F25 2700 DIM	8	PAR20	Med.	120V	25°	45,000	450	2300	84	2700	3.5	A
Standard Halogen PAR20 50W ENERGY STAR[®] Equivalent[†]													
■ ● 36X527	8PAR20/F25 2700 DIM	8	PAR20	Med.	120V	25°	45,000	450	2300	84	2700	3.5	C
■ ● 36X528	8PAR20/F25 3000 DIM	8	PAR20	Med.	120V	25°	45,000	470	2400	84	3000	3.5	C
■ ● 36X529	8PAR20/F35 2700 DIM	8	PAR20	Med.	120V	35°	45,000	450	2300	84	2700	3.5	C
■ ● 32X530	8PAR20/F35 3000 DIM	8	PAR20	Med.	120V	35°	45,000	470	2400	84	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.
- Uses AirFlux Technology.
 - ENERGY STAR[®] Certified LED Lamp.

† 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 (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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
Standard Halogen GU10 50W ENERGY STAR[®] Equivalent												
TBD	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
Standard Halogen PAR20 50W ENERGY STAR[®] Equivalent												
36X527	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
36X528	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
36X529	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
32X530	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

See bottom of page 19 for Warnings, Cautions and Instructions.

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. 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.

Philips LED Single Optic PAR30S Lamps with AirFlux Technology provide superior lighting aesthetics and optimal thermal efficiency in a sleek, lightweight design.



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

Product Number	Ordering Description	Nom. (watts)	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR[®] Equivalent[†]												Gen. 2 Dimmable	
✓	36UW96	12.5	PAR30S	Med.	120	25°	25,000	850	5000	80	2700	3.5	A
✓	36UW97	12.5	PAR30S	Med.	120	25°	25,000	900	5300	80	3000	3.5	A
✓	36UW98	12.5	PAR30S	Med.	120	35°	25,000	850	2400	80	2700	3.5	A
✓	36UW99	12.5	PAR30S	Med.	120	35°	25,000	900	2500	80	3000	3.5	A
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR[®] Equivalent[†]												Gen. 1 Non-Dimming	
	46C225	12	PAR30S	Med.	120	25°	25,000	850	5000	83	2700	3.5	A
	30YH81	12	PAR30S	Med.	120	25°	25,000	850	5000	83	2700	3.5	B
X	46C226	12	PAR30S	Med.	120	25°	25,000	900	5300	83	3000	3.5	A
	30YH82	12	PAR30S	Med.	120	25°	25,000	900	5300	83	3000	3.5	B
	46C227	12	PAR30S	Med.	120	35°	25,000	850	1850	83	2700	3.5	A
X	46C228	12	PAR30S	Med.	120	35°	25,000	900	1960	83	3000	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.

• Uses AirFlux Technology.

■ ENERGY STAR[®] Certified LED Lamp.

✓ Available on 3/10/15

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

† All Philips LED PAR, BR, and MR16 equivalencies for light output are based upon the ENERGY STAR[®] Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: www.ENERGYSTAR.gov/LEDbulbs, 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 (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Cube (cu. ft.)	Pallet Qty.	Lamps/ SKU	SKUs/ Layer	Layers High	SKU Dimensions (w x d x h, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent												Gen. 2 Dimmable
36UW96	43529-5	43529-0	6	3.67	0.361	1080	1	120	9	3.6 x 3.6 x 4.0	11.4 x 11.4 x 4.8	48.0 x 40.0 x 43.6
36UW97	43530-1	43530-6	6	3.67	0.361	1080	1	120	9	3.6 x 3.6 x 4.0	11.4 x 11.4 x 4.8	48.0 x 40.0 x 43.6
36UW98	43532-5	43532-0	6	3.67	0.361	1080	1	120	9	3.6 x 3.6 x 4.0	11.4 x 11.4 x 4.8	48.0 x 40.0 x 43.6
36UW99	43533-2	43533-7	6	3.67	0.361	1080	1	120	9	3.6 x 3.6 x 4.0	11.4 x 11.4 x 4.8	48.0 x 40.0 x 43.6
PAR30S (Short) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent												Gen. 1 Non-Dimming
46C225	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
30YH81	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
46C226	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
30YH82	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
46C227	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
46C228	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

See bottom of page 19 for Warnings, Cautions and Instructions.

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. 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.

Philips LED Single Optic PAR30L Lamps with AirFlux Technology improves shopping experience with superior lighting aesthetics and optimal thermal efficiency in a sleek, lightweight design.



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

Product Number	Ordering Description	Nom. Bulb (watts)	Base	Volts	Beam Angle (hours)	Rated Avg. Life ¹	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
(Long) LED Single Optic – Standard Halogen 75W ENERGY STAR® Equivalent†												
46C229	12PAR30L/F25 2700 DIM RO AF 6/1	12	PAR30L	Med.	120V	25°	25,000	850	5000	80	2700	4.4 A
46C230	12PAR30L/F25 3000 DIM RO AF 6/1	12	PAR30L	Med.	120V	25°	25,000	900	5300	81	3000	4.4 A
46C231	12PAR30L/F35 2700 DIM RO AF 6/1	12	PAR30L	Med.	120V	35°	25,000	850	1850	81	2700	4.4 A
46C232	12PAR30L/F35 3000 DIM RO AF 6/1	12	PAR30L	Med.	120V	35°	25,000	900	1960	80	3000	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.
- Uses AirFlux Technology.
- ENERGY STAR® Certified LED Lamp.

† 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 (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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
PAR30L (Long) LED Retail Optic – Standard Halogen 75W ENERGY STAR® Equivalent												
46C229	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
46C230	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
46C231	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
46C232	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

See bottom of page 19 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 17W LED PAR38 lamps can provide significant energy cost savings of \$4,532.00 per year! Potential savings from the reduction in HVAC costs as a result of using a lower wattage lamp that emits less heat is an additional benefit not included in this example.

Saving Solution		
Estimated Lighting Costs Using a...	Standard 120W PAR38 Halogen Lamp	Philips 17W LED PAR38 Lamp
Present Wattage	120 Watts	17 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 480,000 watt-hours	= 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	= \$4,532.00

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.

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



A (Outdoor)

B

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

Product Number	Ordering Description	Nom. (watts)	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
PAR38 LED – Standard Halogen 90W ENERGY STAR[®] Equivalent[†]													
34TE68	15PAR38/F25 3000 ULW DIM 6/1	15	PAR38	Med.	120	25°	25,000	1050	4400	80	3000	5.2	A
PAR38 LED – Standard Halogen 120W ENERGY STAR[®] Equivalent[†]													
36UX05	17PAR38/F25/827 DIM AF SO	17	PAR38	Med.	120	25°	25,000	1200	6800	80	2700	5.2	B
36UX06	17PAR38/F25/830 DIM AF SO	17	PAR38	Med.	120	25°	25,000	1250	7100	80	3000	5.2	B
36XU07	17PAR38/F35/827 DIM AF SO	17	PAR38	Med.	120	35°	25,000	1200	3200	80	2700	5.2	B
36XU08	17PAR38/F35/830 DIM AF SO	17	PAR38	Med.	120	35°	25,000	1250	3400	80	3000	5.2	B
PAR38 LED – Standard Halogen 75W ENERGY STAR[®] Equivalent[†]													
X 46C242	13PAR38/F25 2700 DIM AF SO	13	PAR38	Med.	120	25°	25,000	900	5300	80	2700	5.2	B
X 46C243	13PAR38/F25 3000 DIM AF SO	13	PAR38	Med.	120	25°	25,000	950	5500	80	3000	5.2	B
X 46C244	13PAR38/F35 2700 DIM AF SO	13	PAR38	Med.	120	35°	25,000	900	1980	80	2700	5.2	B
X 46C245	13PAR38/F35 3000 DIM AF SO	13	PAR38	Med.	120	35°	25,000	950	2100	80	3000	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.

● Uses AirFlux Technology.

■ ENERGY STAR[®] Certified LED Lamp. □ ENERGY STAR[®] Test in progress.

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

† All Philips LED PAR, BR, and MR16 equivalencies for light output are based upon the ENERGY STAR[®] Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: www.ENERGYSTAR.gov/LEDbulbs, 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 (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Cube (cu. ft.)	Pallet Qty.	Lamps/SKU	SKUs/Layer	Layers High	SKU Dimensions (w x d x h, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
PAR38 LED – Standard Halogen PAR38 90W ENERGY STAR[®] Equivalent												
34TE68	45343-5	45343-0	6	1.8	0.432	504	1	72	7	5.2 x 3.5 x 7.1	15.3 x 6.1 x 8.0	47.2 x 39.4 x 37.5
PAR38 LED – Standard Halogen 120W ENERGY STAR[®] Equivalent												
36UX05	43538-7	43538-2	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
36UX06	43539-4	43539-9	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
36U07	43541-7	43541-2	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
36U08	43542-4	43542-9	6	6.11	0.549	504	1	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48.0 x 40.0 x 43.7
PAR38 LED – Standard Halogen 75W ENERGY STAR[®] Equivalent												
46C242	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
46C243	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
46C244	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
46C245	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

See bottom of page 19 for Warnings, Cautions and Instructions.

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.

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



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

Product Number	Ordering Description	Nom. (watts)	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	Approx. MBPCP ^{2,3}	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
Philips PAR30S LED Featuring Crisp White Technology[†]													
32MX74	12.5PAR30S/S15/CW 3000 AF SO	12.5	PAR30S	Med.	120V	15°	50,000	780	6300	92	3000	3.5	A
32MX75	12.5PAR30S/S15/CW 3000 AF SO-B	12.5	PAR30S	Med.	120V	15°	50,000	780	6300	92	3000	3.5	B
32MX76	12.5PAR30S/F25/CW 3000 AF SO	12.5	PAR30S	Med.	120V	25°	50,000	780	3500	92	3000	3.5	A
Philips PAR38 LED Featuring Crisp White Technology[†]													
32MX77	14PAR38/S15/CW 3000 AF SO	14	PAR38	Med.	120V	15°	50,000	900	9200	92	3000	3.5	C
32MX78	14PAR38/F25/CW 3000 AF SO	14W	PAR38	Med.	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.

● Uses AirFlux Technology.

■ ENERGY STAR[®] Certified LED Lamp.

[†] 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	Outer Bar Code (0-46677)	Case Qty. (5-00-46677)	Case Weight (lbs.)	Case Cube (cu. ft.)	Pallet Qty.	Lamps/SKU Layer	SKU/ Layer	Layers High	SKU Dimensions (w x d x h, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
Philips PAR30S LED Featuring Crisp White Technology												
32MX74	43492-2	43492-7	6	5.59	0.328	672	96	7	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
32MX75	43493-9	43493-4	6	5.59	0.328	672	96	7	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
32MX76	43494-6	43494-1	6	5.59	0.328	672	96	7	7	4.0 x 4.0 x 4.9	2.6 x 8.4 x 5.3	47.2 x 39.4 x 43.1
Philips PAR38 LED Featuring Crisp White Technology												
32MX77	43495-3	43495-8	6	7.35	0.641	324	54	6	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
32MX78	43496-0	43496-5	6	7.35	0.641	324	54	6	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 19 for Warnings, Cautions and Instructions.

Philips DiamondSpark LED dimmable candle lamps incorporate a revolutionary new prism that allows the optics to radiate brilliant, clear and sparkling white LED light.



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

Product Number	Ordering Description	NOM. (watts)	Bulb	Base	Dim	Volts	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
Standard Incandescent Candle 25W ENERGY STAR® Equivalent†												
■ 32MX67	2.5B13/2700-E12 DIM 8/1	2.5	B13	Cand.	Y	120V	25,000	180	80	2700	4.4	B
Standard Incandescent Candle 40W ENERGY STAR® Equivalent†												
32MX70	4.5B13/2700-E12 FR 8/1	4.5	B13	Cand.	N	120V	25,000	330	80	2700	4.4	E
■ 32MX68	4.5B13/2700-E12 DIM 8/1	4.5	B13	Cand.	Y	120V	25,000	330	80	2700	4.4	B
■ 32MX71	4.5BA13/2700-E12 DIM 8/1	4.5	BA13	Cand.	Y	120V	25,000	330	80	2700	5.2	A
■ 32MX69	4.5B13/2700-E26 DIM 8/1	4.5	B13	Med.	Y	120V	25,000	330	80	2700	4.4	C
Standard Incandescent Candle 60W ENERGY STAR® Equivalent†												
■ 32MX72	6.5F15/2700-E26 DIM 8/1	6.5	F15	Med.	Y	120V	25,000	530	80	2700	4.4	D
■ 32MX73	6.5B13/2700-E26 DIM 8/1	6.5	B13	Med.	Y	120V	25,000	530	80	2700	4.4	C

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

† 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	Outer 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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
Standard A19 Incandescent 25W ENERGY STAR® Equivalent													
32MX67	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													
32MX70	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
32MX68	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
32MX71	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
32MX69	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													
32MX72	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
32MX73	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

See bottom of page 19 for Warnings, Cautions and Instructions.

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 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 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.

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



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

Product Number	Ordering Description	Nom. Bulb (watts)	Base	Volts	Beam Angle	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
Standard Halogen R20 50W Equivalent[†]											
46C237	8R20/END/F25 2700 DIM	8	BR30	Med. 120V	90°	25,000	530	80	2700	3.5	A
Standard Halogen BR30 65W ENERGY STAR[®] Equivalent[†]											
32MX95	9.5BR30/2200-2700 DIM 120V	9.5	BR30	Med. 120V	90°	25,000	730	83	2700-2200	5.1	B

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

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

Light dims to a warm glow, similar to incandescent

Uses AirFlux Technology.

ENERGY STAR[®] Certified LED Lamp.

[†] 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 (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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
Standard Halogen R20 50W ENERGY STAR[®] Equivalent												
46C237	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												
32MX95	45224-7	45224-2	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

See bottom of page 19 for Warnings, Cautions and Instructions.

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 9.5W LED A19 lamps can provide significant energy cost savings of 2,222.00 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	9.5 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 240,000 watt-hours	= 38,000 watt-hours
÷1,000 =	= 240 kWh per year	= 38 kWh per year
x kWh rate of \$0.11	= \$26.40 per year	= \$4.18 per year
x 100 lamps per space	= \$2,640.00 annual energy cost per space	= \$418.00 annual energy cost per space
	Total Estimated Annual Savings^B	= 2,222.00

A) The 9.5W LED A19 at 800 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.

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



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

Product Number	Ordering Description	Nom. (watts)	Bulb	Base	Volts	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	CRI	Color Temp. (Kelvin)	MOL (in.)	Key
Standard Incandescent A19 40W ENERGY STAR Equivalent[†]											
34TE71	6.5A19/2200-2700 DIM 120V	6.5	A19	Med.	120V	25,000	450	80	2700-2200	4.0	A
34TE73	5.5A19/LED/5000 DIM	5.5	A19	Med.	120V	25,000	450	80	5000	4.0	A
Standard Incandescent A19 60W ENERGY STAR Equivalent[†]											
34TE72	9.5A19/2200-2700 DIM 120V	9.5	A19	Med.	120V	25,000	800	80	2700-2200	4.0	B
34TE74	9A19/LED/5000 DIM	9	A19	Med.	120V	25,000	800	80	5000	4.0	B
Standard Incandescent A19 75W ENERGY STAR Equivalent[†]											
22XW64	15A21/2700-WHT DIM	15	A21	Med.	120V	25,000	1145	80	2700	4.8	B
22XW65	19A21/2700-WHT DIM	19	A21	Med.	120V	25,000	1620	80	2700	4.8	B
Standard Incandescent A19 40W/60W/100W ENERGY STAR Equivalent[†]											
34TE69	20A21/END/2700 3W DIM	5/9/20	A21	Med.	120V	25,000	470/840/1620	80	2700	4.95	C

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

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

Light dims to a warm glow, similar to incandescent

ENERGY STAR[®] Certified LED Lamp.

[†] All Philips LED PAR 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 (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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
Standard Incandescent A19 40W ENERGY STAR Equivalent												
34TE71	45331-2	45331-7	6	1.19	0.131	1584	1	264	6	7.7 x 5.3 x 5.5	8.4 x 5.6 x 4.8	7.7 x 5.3 x 5.5
34TE73	45405-0	45405-5	6	1.19	0.131	1584	1	264	6	7.7 x 5.3 x 5.5	8.4 x 5.6 x 4.8	7.7 x 5.3 x 5.5
Standard Incandescent A19 60W ENERGY STAR Equivalent												
34TE72	45332-9	45332-4	6	1.19	0.131	1584	1	264	6	7.7 x 5.3 x 5.5	8.4 x 5.6 x 4.8	7.7 x 5.3 x 5.5
34TE74	45404-3	45404-8	6	1.19	0.131	1584	1	264	6	7.7 x 5.3 x 5.5	8.4 x 5.6 x 4.8	7.7 x 5.3 x 5.5
Standard Incandescent A19 75W ENERGY STAR Equivalent[†]												
22XW64	43218-7	43218-3	6	3.8	0.177	1224	1	204	6	2.7 x 2.7 x 5.5	8.6 x 5.8 x 6.1	47.0 x 39.4 x 42.3
22XW65	43221-1	43221-3	6	3.8	0.177	1224	1	204	6	2.7 x 2.7 x 5.5	8.6 x 5.8 x 6.1	47.0 x 39.4 x 42.3
Standard Incandescent A19 40W/60W/100W ENERGY STAR Equivalent[†]												
34TE69	45336-7	45336-2	6	4.13	0.163	1224	1	204	6	2.7 x 2.7 x 5.1	8.5 x 5.8 x 5.7	47.2 x 39.4 x 39.7

See bottom of page 19 for Warnings, Cautions and Instructions.

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 SavingsB	= \$2,442.00

A) The 9.5W LED SlimStyle BR30 at 650 lumens compared to the 65W incandescent BR30 at 650 lumens.

B) Based on 100 lamps per space operating at 4000 hours per year.

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



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

Product Number	Ordering Description	Nom. (watts)	Volts	Lamp Type	Base	Rated Avg. Life ¹ (hours)	Approx. Lumens ²	CRI	Color Temp. (Kelvin)	DIM	MOL (in.)	Key
Standard A19 Incandescent 40W ENERGY STAR® Equivalent†												
30YH80	8A19/SLIM/2700 DIM	8	120	A19	Med.	25,000	450	80	2700	Y	4.2	A
Standard A19 Incandescent 60W ENERGY STAR® Equivalent†												
30YH79	10.5A19/SLIM/2700 DIM	10.5	120	A19	Med.	25,000	800	80	2700	Y	4.2	A
Standard A21 Incandescent 75W ENERGY STAR® Equivalent†												
34TE70	13A21/SLIM/2700 DIM	13	120	A21	Med.	25,000	1100	80	2700	Y	5.3	B
Standard BR30 Incandescent 65W ENERGY STAR® Equivalent†												
32MX96	9.5BR30/SLIM/F90 2700	9.5	120	BR30	Med.	25,000	650	80	2700	Y	5.1	C

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

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

ENERGY STAR® Certified LED Lamp.

† 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)

ENERGY STAR Testing	Product Number (0-46677)	SKU UPC (5-00-46677)	Outer Bar Code	Qty.	Case Weight	Case Cube	Case Qty. (lbs.)	Pallet Layer (cu. ft.)	SKU/High	Layers Dimensions (w x d x h. in.)	SKU Case Dimensions (w x d x h. in.)	Pallet Dimensions (w x d x h. in.)
Standard A19 Incandescent 40W ENERGY STAR® Equivalent												
Yes	30YH80	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
Standard A19 Incandescent 60W ENERGY STAR® Equivalent												
Yes	30YH79	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
Standard A21 Incandescent 75W ENERGY STAR® Equivalent												
Yes	34TE70	45277-3	5277-8	10	1.78	0.566	672	96	7	4.1 x 4.1 x 5.7	14.7 x 10.4 x 6.4	48.9 x 40.0 x 46.0
Standard BR30 Incandescent 65W ENERGY STAR® Equivalent												
Yes	32MX96	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

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.

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



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 (in.)	Key
LED T8 InstantFit Lamp - 4'											
45358-9	12T8/48-3000 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1500	82	3000	48	A
■ 49H099	12T8/48-3500 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1500	82	3500	48	A
■ 49H101	12T8/48-4000 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1600	82	4000	48	A
■ 49H102	12T8/48-5000 IF 10/1	14.5	T8	G13	120-277, 347	50,000	1650	82	5000	48	A
LED Instant Fit T8 - 4' High Output											
■ 32MX83	16.5T8/48-3000 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2000	82	3000	48	A
■ 32MX84	16.5T8/48-3500 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2000	82	3500	48	A
■ 32MX85	16.5T8/48-4000 IF 10/1	16.5	T8	G13	120-277, 347	50,000	2100	82	4000	48	A
■ 32MX86	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'											
32MX91	10.5T8/36-3000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1100	82	3000	36	A
32MX92	10.5T8/36-3500 -IF 10/1	10.5	T8	G13	120-277, 347	50,000	1160	82	3500	36	A
32MX93	10.5T8/36-4000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1200	82	4000	36	A
32MX94	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											
32MX87	8.5T8/24-3000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	950	82	3000	24	A
■ 32MX88	8.5T8/24-3500 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1000	82	3500	24	A
■ 32MX89	8.5T8/24-4000 IF 10/1	10.5	T8	G13	120-277, 347	50,000	1050	82	4000	24	A
■ 32MX90	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											
32MX79	16.5T8/22.5-3000 IF-6U 10/1	10.5	U-bent T8	G13	120-277, 347	50,000	2000	82	3000	22.5	B
32MX80	16.5T8/22.5-3500 IF-6U 10/1	10.5	U-bent T8	G13	120-277, 347	50,000	2000	82	3500	22.5	B
32MX81	16.5T8/22.5-4000 IF-6U 10/1	10.5	U-bent T8	G13	120-277, 347	50,000	2800	82	4000	22.5	B
32MX82	16.5T8/22.5-5000 IF-6U 10/1	10.5	U-bent 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

⊕ Please refer to the InstantFit ballast compatibility guide @ www.philips.com/instantfit. Compatibility subject to change as additional ballasts are tested. If you do not see your ballast on the compatibility list please contact your local Philips Lighting representative.

◆ See warranty for terms and conditions.

1. Tested to B50 L70 requirement.

2. Photometric testing consistent with IES LM-79.

■ This lamp is DLC qualified.

Shipping Data (Subject to change without notice)

Product Number (0-46677)	SKU UPC (5-00-46677)	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, in.)	Case Dimensions (w x d x h, in.)	Pallet Dimensions (w x d x h, in.)
LED T8 InstantFit Lamp - 4'												
45358-9	45358-9	45358-4	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
49H102	45359-6	45359-1	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
49H098	45360-2	45360-7	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
49H099	45361-9	45361-4	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
LED Instant Fit T8 - 4' High Output												
32MX83	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
32MX84	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
32MX85	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
32MX86	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
LED Instant Fit T8 - 3'												
32MX91	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
32MX92	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
32MX93	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
32MX94	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
LED Instant Fit T8 - 2' High Output												
32MX87	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
32MX88	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
32MX89	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
32MX90	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
LED Instant Fit T8 U-Bent- 6' High Output												
32MX79	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
32MX80	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
32MX81	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
32MX82	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 bottom of page 19 for Warnings, Cautions and Instructions.



WARNINGS & CAUTIONS:

- 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.

FCC NOTE: These lamps comply with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions: (1) this 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.

FCC NOTE for InstantFit LED T8: This device complies with Part 18 of the FCC Rules.

WARNINGS & CAUTIONS for PAR38 Outdoor:

- Suitable for use in open luminaires (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)



For more information, contact your Grainger Account Manager
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