



A cost effective option for everyday lighting applications

The new Philips LED family delivers LED benefits at an extremely affordable price. With lifetimes 10 times longer than incandescents, instant-on light and an inviting lighting effect, these LEDs are a great replacement for the incandescents, halogens, and linear fluroescents you use every day.*

LED replacements for many applications

- Traditional lamp shapes (A19, B11, BR30, PAR38, MR16 and linear T8)
- Available in a range of color temperatures
 - 2700K (A19, B11, BR30)
 - 3000K (MR16, PAR38)
 - 4000K (4 ft. T8)
 - 5000K (A19, 4ft. T8)
 - 6500K (4ft. T8)
- Similar light output to the most popular conventional wattages:**
 - 60W & 100W A19
 - 40W B11
 - 65W BR30
 - 90W PAR38
 - 35W MR16
 - 32W Linear 4 ft. T8
 - 40W Linear 4 ft. T12
- Long life¹
 - 10,950 hours (A19, B11, BR30 & PAR38)
 - 25,000 hours (MR16)
 - 36,000 hours (4 ft. linear T8)
- BR30 and MR16 dims smoothly to <10%

See back page for footnotes.

LED Lamps for everyday use

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

Product Number	Model Number	Ordering Code	Description	Lamp Type	Base	Lamp Watts (w)	LED Lifetime ¹ (hrs)	Approx. Lumens ²	CRI	MBCP ³ (Cd.)	Beam Angle (°)	Color Temp (K)	
Standard Incandescent A19 60W Equivalent													
45809-1	9290011750	9.5A19/LED/827 ND 120V	60W Non-Dim	A19	E26	9.5	10,950	800	>80	-	-	2700	
46232-5	9290012126	8.5A19/LED/827/CL/ND	60W Non-Dim	A19	E26	8.5	10,950	800	>80	-	-	2700	
45560-0	9290011352	8A19/LED/850 ND 120V	60W Non-Dim	A19	E26	8	10,950	800	>80	-	-	5000	
Standard Incandescent A19 100W Equivalent													
45568-3	9290011349	14.5A19/LED/827 ND 120V	100W Non-Dim	A19	E26	14.5	10,950	1500	>80	-	-	2700	
45571-7	9290011351	14A19/LED/850 ND 120V	100W Non-Dim	A19	E26	14	10,950	1500	>80	-	-	5000	
Standard Incandescent BR30 65W Dimmable Equivalent													
45810-9	9290011749	9BR30/LED/827/DIM 120V	65W Dim	BR30	E26	9	10,950	650	>80	-	-	2700	
Standard Incandescent PAR38 90W Equivalent													
45799-3	9290011747	11PAR38/F25/830 ND 120V	90W Non-Dim	PAR38	E26	11	10,950	950	>80	-	4085	3000	
Standard Incandescent B11 40W Equivalent													
45872-9	9290011819	4.5B11/LED/827/E12/ND 120V	40W Non-Dim	B11	E12	4.5	10,950	300	>80	-	-	2700	
46187-1	9290012137	4.5B11/LED/827/E12/DIM	40W Dim	B11	E12	4.5	15,000	300	>80	-	-	2700	
46193-9	9290012138	4.5B11/LED/827/E26/DIM	40W Dim	B11	E26	4.5	15,000	300	>80	-	-	2700	
Standard 35W Halogen MR16 Equivalent													
<input type="checkbox"/>	45478-5	9290011518	6.6MR16/F25/3000 DIM 12V	Spot 25° 3000K Dim	MR16	GU5.3	6.6	25,000	420	>80	1,800	25	3000
<input type="checkbox"/>	45760-6	9290011522	6.6MR16/F35/3000 DIM 12V	Spot 35° 3000K Dim	MR16	GU5.3	6.6	25,000	420	>80	1,000	35	3000
Standard 32W T8 Fluorescent Equivalent													
45656-6	9290011511	17T8/48-4000 IFG 10/1	4 ft. T8 4000K Non-Dim	Linear T8	G13	17	36,000	2100	>80	-	240	4000	
45657-4	9290011512	17T8/48-5000 IFG 10/1	4 ft. T8 4000K Non-Dim	Linear T8	G13	17	36,000	2100	>80	-	240	5000	
Standard 40W T8 Fluorescent Equivalent													
46311-7	9290012265	20T12 EM LED/48-4000 IF G	4 ft. T8 4000K Non-Dim	Linear T8	G13	17	36,000	2100	>80	-	160	4000	
46312-5	9290012266	20T12 EM LED/48-6500 IF G	4 ft. T8 4000K Non-Dim	Linear T8	G13	17	36,000	2100	>80	-	160	5000	

Energy Savings Solution

Estimated Lighting Costs Using a standard 60W Incandescent A19 Lamp

Present Wattage	60	W
× Annual operating hours	4,000	hrs
=	240,000	Watt-Hours
÷ 1,000	=	240 kWh per year
× kWh rate of \$0.11	=	\$26.40 per year
× 100 lamps	\$2,640.00	annual energy cost per space

Estimated Lighting Costs Using a Philips 9.5W LED A19 Everyday Lamp

Present Wattage	9.5	W
× Annual operating hours	4,000	hrs
=	38,000	Watt-Hours
÷ 1,000	=	38 kWh per year
× kWh rate of \$0.11	=	\$4.18 per year
× 100 lamps	\$418.00	annual energy cost per space

Total estimated annual savings† \$2,222.00

† Based on 100 lamps per space operating at 4,000 hours per year

LED Lamps for everyday use

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	SKUs per Layer	Layers High	SKU Dimensions (L x W x H) (In.)	Case Dimensions (L x W x H) (In.)	Pallet Dimensions (L x W x H) (In.)
Standard Incandescent A19 60W Equivalent											
45809-1	45809-6	45809-1	6	3.84	0.124	1764	252	7	2.5 x 2.5 x 4.4	7.8 x 5.4 x 5.1	47.2 x 39.4 x 41.5
46232-5	46232-1	46232-6	10	2.5	0.213	1820	260	7	2.4 x 2.4 x 4.7	12.5 x 5.3 x 5.4	47.2 x 39.4 x 37.8
45560-0	45560-6	45560-1	6	3.84	0.124	1764	252	7	2.5 x 2.5 x 4.4	7.8 x 5.4 x 5.1	47.2 x 39.4 x 41.5
Standard Incandescent A19 100W Equivalent											
45568-3	45568-2	45568-7	6	3.84	0.124	1764	252	7	2.5 x 2.5 x 4.4	7.8 x 5.4 x 5.1	47.2 x 39.4 x 41.5
45571-7	45571-2	45571-7	6	3.84	0.124	1764	252	7	2.5 x 2.5 x 4.4	7.8 x 5.4 x 5.1	47.2 x 39.4 x 41.5
Standard Incandescent BR30 65W Dimmable Equivalent											
45810-9	45810-2	45810-7	6	2.99	0.423	450	90	5	4.1 x 4.1 x 5.7	13 x 8.8 x 6.4	47.2 x 39.4 x 37.8
Standard Incandescent PAR38 90W Equivalent											
45799-3	45799-0	45799-5	6	10.6	0.641	270	54	5	5.2 x 5.2 x 5.8	15.9 x 10.8 x 6.4	47.2 x 39.4 x 38
Standard Incandescent B11 40W Equivalent											
45872-9	45872-0	45872-5	10	1.23	0.070	4900	700	7	1.4 x 1.4 x 4.4	19.4 x 8.4 x 12.8	47.2 x 39.4 x 41.2
46187-1	46187-4	46187-9	8	1.2	0.074	13140	730	18	1.4 x 1.4 x 4.4	7.6 x 3.3 x 5.0	48.0 x 40.1 x 97.4
46193-9	46193-5	46193-0	8	1.2	0.074	13140	730	18	1.4 x 1.4 x 4.4	7.6 x 3.3 x 5.0	48.0 x 40.1 x 97.4
Standard 35W Halogen MR16 Equivalent											
45478-5	45758-7	45758-2	10	1.35	0.060	6110	470	13	1.8 x 1.8 x 2.2	9.3 x 4 x 2.8	47.2 x 39.4 x 42.6
45760-6	45760-0	45760-5	10	1.35	0.060	6110	470	13	1.8 x 1.8 x 2.2	9.3 x 4 x 2.8	47.2 x 39.4 x 42.6
Standard 32W T8 Fluorescent Equivalent											
45656-6	45656-6	45656-1	10	9.70	1.060	360	40	9	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4
45657-4	45657-3	45657-8	10	9.70	1.060	360	40	9	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4
Standard 40W T8 Fluorescent Equivalent											
46311-7	46311-3	46311-8	10	6.26	1.06	360	40	9	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4
46312-5	46312-0	46312-5	10	6.26	1.06	360	40	9	1.1 x 1.1 x 48.0	49.8 x 8.8 x 4.2	51.2 x 39.4 x 43.4

Footnotes:

- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50.L70).
- Based on photometric testing consistent with IES LM-79.
- Maximum (or center) beam candle power.

Energy Star certification in progress

* When compared to a 1000 hour A19 incandescent, the 10,950 hour LED A19 lamp has more than 10 times the life.

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- The 8W and 9.5W LED A19 lamps produce 800 lumens as compared to the 800 lumens produced by a 60W incandescent
 - The 14W and 14.5W LED A19 lamps produce 1500 lumens as compared to the 1600 lumens produced by a 100W incandescent.
 - The 4.5W B11 lamp produces 300 lumens as compared to the 300 lumens produced by a 40W incandescent.
 - The 9W LED BR30 produces 650 lumens as compared to the 650 lumens produced by a 65W incandescent
 - The 11W LED PAR38 produces 4085 cd (candela) as compared to the 3698 cd produced by a 90W halogen (MBCP).
 - The 6.6W / 25 deg LED MR16 produces 1800 cd as compared to the 1601 cd produced by a 35W / 25 deg halogen (MBCP).
 - The 6.6W / 35 deg LED MR16 produces 1000 cd as compared to the 906 cd produced by a 35W / 35 deg MR16 halogen (MBCP).
 - The 17W LED 4 ft. linear T8 produces equivalent illuminance (foot-candles) as compared to a F32T8 when installed in a strip fixture.
 - The 20W LED 4 ft. linear T8 produces equivalent illuminance (foot-candles) as compared to a F40T12 when installed in a strip fixture.

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PLT-1580BN 06/16 philips.com/lighting



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