



Enhance the outdoors

with this sleek, lightweight design

Philips LED PAR38 Outdoor Lamps provide all the benefits of LED for general landscape and accent lighting.

Features

- UL Wet rated for use in outdoor environments
- 100W Halogen replacement¹
- Suitable for use in enclosed fixtures²
- Lightweight design
- Dimmable using leading and trailing edge dimmers³

Benefits

- Long life means less frequent lamp changes compared to a halogen PAR38
- Saves 88% energy compared to a 100W halogen PAR38⁴
- Suitable for wet locations and many outdoor applications

Philips LED PAR38 Outdoor Lamps

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

Product Number	Model Number	Ordering Code	Description	Base	Volts (V-AC)	Wattage (W)	Equiv Wattage ¹ (W)	Dim.	LED Lifetime ⁵ (Hours)	CCT (K)	Lumens	CRI	Beam Angle	MBCP ^{1,6} (cd)
Standard Halogen PAR38 90W Equivalent														
■ 46010-5	9290011834	12PAR38/LED/830/F35/DIM ULW SO 120V	Dimmable Outdoor PAR38	Med	120	12	100	Y	25,000	3000	1100	80	35°	2500
Standard Halogen PAR38 100W Equivalent														
■ 46104-6	9290011835	12PAR38/LED/850/F35/DIM ULW SO 120V	Dimmable Outdoor PAR38	Med	120	12	100	Y	25,000	5000	1200	80	35°	2700

Shipping Data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Volume (cu. Ft.)	Pallet Qty	SKUs per Layer	Layers High	SKU Dimensions (L x W x H) (In.)	Case Dimensions (L x W x H) (In.)	Pallet Dimensions (L x W x H) (In.)
Standard Halogen PAR38 90W Equivalent											
46010-5	46010-5	46010-0	6	2.75	0.549	504	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48 x 41 x 43.7
Standard Halogen PAR38 100W Equivalent											
46104-6	46104-1	46104-6	6	2.75	0.549	504	72	7	4.8 x 4.8 x 5.4	15.1 x 10.3 x 6.1	48 x 41 x 43.7

Energy Saving Solution

Estimated Lighting Costs Using a standard 100W PAR38 Halogen Lamp

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

Estimated Lighting Costs Using a Philips 12W PAR38 LED Lamp

Present Wattage	12	W
× Annual operating hours	4,000	hrs
=	48,000	Watt-Hours
÷ 1,000	48	kWh per year
× kWh rate of \$0.11	\$5.28	per year
× 100 lamps	\$528.00	annual energy cost per space

Total estimated annual savings⁵ \$3,872.00

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

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

Replacing 100 standard 100W PAR38 halogen lamps with Philips 12W PAR38 outdoor LED Lamps can provide significant energy cost savings of \$3,872.00 per year!

1. Comparison based on the ENERGY STAR® Lamp Center Beam tool. The predicted minimum center beam intensity for a 100W / 35D halogen is 2,105 cd while the Philips LED PAR38 outdoor produces 2500 cd (@ 3000K).
2. See Technical Application Guide for complete details. All lamps include an over temperature protection (OTP) feature that systematically reduces the lamp power and consequently its internal temperature should it be subjected to abnormally high ambient temperature conditions.
3. Visit <http://www.philips.com/LEDtechguide> for the latest dimming compatibility charts.
4. The Philips LED PAR38 Outdoor lamp uses 88W less than a 100W halogen PAR38 lamp. Percentage of energy saved = 88W/100W = 88%
5. 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).
6. Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.

^{www} Light dims to a warm glow, similar to incandescent

Notes

These lamps comply with Part 15 of the FCC Rules. Operation is subject to the following two 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.



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