

# PHILIPS

LED lamps

PAR lamps



## A classic design for a familiar look

Philips LED PAR Lamps provide the familiar look and feel of traditional halogen PARs while using a fraction of the energy.

### Benefits

- Energy savings of 85% when compared to a 90W halogen PAR38 lamps.
- Long life lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- Dimmable down to 5%<sup>1</sup>
- 2-tiers (ExpertColor and CorePro and wide range of CCTs and beam angles available)
- Wet location options available (UL 1993, section 7.3)
- Suitable for use in enclosed fixtures where ambient temperature is between -4°F (-20°C) & 113°F (45°C)

### Features

- Excellent beam quality for displays
- Average rated life of 25,000 hrs for CorePro and 40,000 hrs for ExpertColor<sup>2</sup>
- 3-year & 5-year limited warranty<sup>3</sup>
- Warm glow options available
- Light weight plastic housing in white or black to match existing housing/track

1. CorePro lamps dim down to 10%, expertcolor down to 5%.

2. See LED lifetime footnote for more information at the bottom of page 4.

3. Warranty based on avg usage of 3hrs/day, 7 days/week. 25000 lifetime = 3 year warranty, 40000 hrs lifetime is = 5 year warranty. Full warranty details can be found at <https://www.signify.com/en-us/support/warranties>.

# Philips LED PAR lamps



Ordering, electrical and technical data (Subject to change without notice)



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<b>PAR20 lamp 50W equivalent dimmable<sup>5</sup></b>													
● E	568105	929003026304	5.5	500	120	90	2200-2700	25	25000	1300	CorePro	Phase Out	A
● E	586354	929003739304	5.5	600	120	90	2200-2700	25	25000	1300	CorePro	Phase In	B
● E	568113	929003026704	5.5	500	120	90	2200-2700	40	25000	800	CorePro	Phase Out	A
● E	586362	929003739404	5.5	600	120	90	2200-2700	40	25000	800	CorePro	Phase In	B
● E	568063	929003026104	5.5	500	120	90	3000	25	25000	1500	CorePro	Phase Out	A
● E	586370	929003739504	5.5	600	120	90	3000	25	25000	1500	CorePro	Phase In	B
● E	568089	929003026404	5.5	500	120	90	3000	40	25000	1000	CorePro	Phase Out	A
● E	586388	929003739604	5.5	600	120	90	3000	40	25000	1000	CorePro	Phase In	B
● E	586396	929003739704	5.5	600	120	90	4000	25	25000	1500	CorePro	Phase In	B
● E	568097	929003026504	5.5	500	120	90	4000	40	25000	1000	CorePro	Phase Out	A
● E	586404	929003739804	5.5	600	120	90	4000	40	25000	1000	CorePro	Phase In	B
● E	535278	929001921904	8.5	610	120	80	3000	25	25000	2550	ExpertColor	Active	C
● E	535260	929001921804	8.5	600	120	80	2700	25	25000	2450	ExpertColor	Active	C
<b>PAR30L lamp 75W equivalent dimmable</b>													
W E	567941	929003026904	8.5	800	120	90	2700	25	25000	3300	CorePro	Phase Out	D
W E	586263	929003738404	8.5	850	120	90	2700	25	25000	3300	CorePro	Phase In	E
W E	567973	929003027204	8.5	800	120	90	2700	40	25000	1600	CorePro	Phase Out	D
W E	586271	929003738504	8.5	850	120	90	2700	40	25000	1600	CorePro	Phase In	E
W E	567957	929003027004	8.5	850	120	90	3000	25	25000	3300	CorePro	Phase Out	D
W E	586289	929003738604	8.5	900	120	90	3000	25	25000	3300	CorePro	Phase In	E
W E	567981	929003027304	8.5	850	120	90	3000	40	25000	1600	CorePro	Phase Out	D
W E	546977	929002045504	9.4	850	120	80	3000	40	25000	1315	CorePro	Phase Out	E
W E	586297	929003738704	8.5	900	120	90	3000	40	25000	1600	CorePro	Phase In	E
W E	587402	929003753404	8.5	900	120	90	4000	25	25000	3300	CorePro	Phase In	E
W E	567999	929003027404	8.5	850	120	90	4000	40	25000	1600	CorePro	Phase Out	D
W E	587410	929003753504	8.5	900	120	90	4000	40	25000	1600	CorePro	Phase In	E
<b>PAR30L lamp 75W equivalent dimmable (ExpertColor)</b>													
● E	471045	929001285704	12	880	120	90	3000	25	25000	4500	ExpertColor	Active	F
● E	471037	929001285604	12	880	120	90	3000	10	25000	10000	ExpertColor	Active	F
● E	471052	929001285804	12	880	120	90	3000	40	25000	2000	ExpertColor	Active	F
● E	470970	929001341104	12	950	120	95	4000	25	40000	4800	ExpertColor	Active	F
● E	470962	929001341004	12	850	120	95	2700	40	40000	1800	ExpertColor	Active	G
● E	470988	929001341204	12	950	120	95	4000	40	40000	2100	ExpertColor	Active	F
● E	470954	929001340904	12	850	120	95	2700	25	40000	4200	ExpertColor	Active	G
<b>PAR30S lamp 75W equivalent dimmable</b>													
W E	568006	929003027704	8.5	800	120	90	2700	25	25000	3300	CorePro	Phase Out	H
W E	586305	929003738804	8.5	850	120	90	2700	25	25000	3300	CorePro	Phase In	I
W E	568030	929003028004	8.5	800	120	90	2700	40	25000	1600	CorePro	Phase Out	H
W E	586313	929003738904	8.5	850	120	90	2700	40	25000	1600	CorePro	Phase In	I
W E	568014	929003027804	8.5	850	120	90	3000	25	25000	3300	CorePro	Phase Out	H
W E	546985	929002045604	9.4	850	120	80	3000	25	25000	2910	CorePro	Phase Out	I
W E	586321	929003739004	8.5	900	120	90	3000	25	25000	3300	CorePro	Phase In	I
W E	568048	929003028104	8.5	850	120	90	3000	40	25000	1600	CorePro	Phase Out	H
W E	586339	929003739104	8.5	900	120	90	3000	40	25000	1600	CorePro	Phase In	I
W E	577759	929003466904	9.4	850	120	90	3500	25	25000	2910	CorePro	Phase Out	I
W E	586347	929003739204	8.5	900	120	90	3500	25	25000	3300	CorePro	New	I
W E	587428	929003753604	8.5	900	120	90	4000	25	25000	3300	CorePro	Phase In	I
W E	568055	929003028204	8.5	850	120	90	4000	40	25000	1600	CorePro	Phase Out	H
● E	587436	929003753704	8.5	900	120	90	4000	40	25000	1600	CorePro	Phase In	I

1. LED lifetime (hrs.): Lamps rated at 25,000 hours is for an unenclosed fixture. Life rating is 15,000 hours for enclosed. See LED lifetime footnote for more information at the bottom of page 4.

2. MBCP (cd): Maximum Beam Candlepower, based on photometric testing consistent with IES LM-79.

3. MC/CP: MasterClass or CorePro.

4. PIPO: Stands for Phase In Phase Out

5. Dimmable: When using leading and trailing edge dimmers (visit us at <https://bit.ly/DimmerCompatibilityGuide> for compatible dimmers).

D = Damp location W = Wet location ● = Warm glow dimming effect ● = Suitable for enclosed fixtures ● = Black lamp ● = ENERGY STAR® qualified ■ = Title 20 (JA8) compliant

Note for ENERGY STAR® products: Effective 12/31/2024 EPA will sunset the Energy Star program for LED lamps.

Lighting requirements have been removed from Energy Star website since August 1, 2023.

# Philips LED PAR lamps



Ordering, electrical and technical data (Subject to change without notice)



Product No. (6nc)	Model No. (12nc)	Order Code (description)	Nom. watts (W)	Lumens (lm)	Volts (V)	Color Temp (CRI)	CCT (K)	Beam Angle (deg)	LED lifetime <sup>1</sup> (hrs.)	MBCP <sup>2</sup> (cd)	MC/CP <sup>3</sup>	PIPO <sup>4</sup>	Legend
<b>PAR30S lamp 75W equivalent dimmable (ExpertColor)</b>													
■ E	470898	929001340204	12	850	120	95	2700	10	40000	10000	ExpertColor	Active	J
■ E	470906	929001340304	12	850	120	95	2700	25	40000	4200	ExpertColor	Active	K
● E	470922	929001340604	12	850	120	95	2700	25	40000	4200	ExpertColor	Active	L
■ E	470914	929001340404	12	850	120	95	2700	40	40000	1800	ExpertColor	Active	M
■ E	471060	929001285904	12	880	120	95	3000	10	25000	10000	ExpertColor	Active	M
■ E	471078	929001286004	12	880	120	90	3000	25	25000	4500	ExpertColor	Active	J
■ E	471086	929001286104	12	880	120	90	3000	40	25000	2000	ExpertColor	Active	J
■ E	470930	929001340704	12	950	120	95	4000	25	40000	4800	ExpertColor	Active	N
■ E	470948	929001340804	12	950	120	95	4000	40	40000	2100	ExpertColor	Active	N
<b>PAR38 lamp 90W equivalent dimmable</b>													
W ■ E	567859	929003028504	10	900	120	90	2700	25	25000	4100	CorePro	Phase Out	O
W ■ E	586214	929003737904	10	1000	120	90	2700	25	25000	4100	CorePro	Phase In	P
W ■ E	567891	929003029004	10	900	120	90	2700	40	25000	1800	CorePro	Phase Out	R
W ■ E	586222	929003738004	10	1000	120	90	2700	40	25000	1800	CorePro	Phase In	P
W ■ E	567867	929003028604	10	900	120	90	3000	25	25000	4100	CorePro	Phase Out	O
W ■ E	586230	929003738104	10	1000	120	90	3000	25	25000	4100	CorePro	Phase In	P
W ■ E	567909	929003029104	10	900	120	90	3000	40	25000	1900	CorePro	Phase Out	R
W ■ E	586248	929003738204	10	1000	120	90	3000	40	25000	1900	CorePro	Phase In	P
W ■ E	567917	929003029304	10	900	120	90	4000	40	25000	1900	CorePro	Phase Out	R
W ■ E	586255	929003738304	10	1000	120	90	4000	40	25000	1900	CorePro	Phase In	P
<b>PAR38 lamp 120W equivalent dimmable</b>													
W ■ E	567750	929003029504	13	1200	120	90	2700	25	25000	5700	CorePro	Phase Out	O
W ■ E	586115	929003736904	13	1300	120	90	2700	25	25000	5700	CorePro	Phase In	P
W ■ E	567792	929003030004	13	1200	120	90	2700	40	25000	2450	CorePro	Phase Out	R
W ■ E	586123	929003737004	13	1300	120	90	2700	40	25000	2450	CorePro	Phase In	P
W ■ E	567768	929003029604	13	1200	120	90	3000	25	25000	6000	CorePro	Phase Out	O
W ■ E	546945	929002045204	14	1300	120	90	3000	25	25000	5382	CorePro	Phase Out	P
W ■ E	586131	929003737104	13	1300	120	90	3000	25	25000	6000	CorePro	Phase In	P
W ■ E	567800	929003030104	13	1200	120	90	3000	40	25000	2500	CorePro	Phase Out	R
W ■ E	586149	929003737204	13	1300	120	90	3000	40	25000	2500	CorePro	Phase In	P
W ● E	586198	929003737704	13	1300	120	90	3000	25	25000	6000	CorePro	Phase In	Q
W ■ E	577734	929003466704	14	1300	120	90	3500	25	25000	5382	CorePro	Phase Out	P
W ■ E	586206	929003737804	13	1300	120	90	3500	25	25000	6000	CorePro	Phase In	P
W ■ E	577742	929003466804	14	1300	120	90	4000	25	25000	5382	CorePro	Phase Out	P
W ■ E	586156	929003737304	13	1300	120	90	4000	25	25000	6000	CorePro	Phase In	P
W ■ E	567818	929003030304	13	1200	120	90	4000	40	25000	2500	CorePro	Phase Out	R
W ■ E	586164	929003737404	13	1300	120	90	4000	40	25000	2500	CorePro	Phase In	P
W ■ E	567784	929003029904	13	1200	120	90	5000	25	25000	6000	CorePro	Phase Out	O
W ■ E	586172	929003737504	13	1300	120	90	5000	25	25000	6000	CorePro	Phase In	P
W ■ E	586180	929003737604	13	1300	120	90	5000	40	25000	2500	CorePro	Phase In	P

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<b>PAR38 lamp 120W equivalent dimmable (ExpertColor)</b>														
470823	929001339404	17PAR38/EXPERTCOLOR/S8/927/DIM/120V	17	1150	120	95	2700	8	40000	21000	ExpertColor	Active	S	
470831	929001339504	17PAR38/EXPERTCOLOR/F25/927/DIM/120V	17	1150	120	95	2700	25	40000	5800	ExpertColor	Active	S	
470864	929001339804	17PAR38/EXPERTCOLOR/F25/927/DIM/120V B	17	1150	120	95	2700	25	40000	5800	ExpertColor	Active	T	
470849	929001339604	17PAR38/EXPERTCOLOR/F40/927/DIM/120V	17	1150	120	95	2700	40	40000	2600	ExpertColor	Active	S	
470996	929001285204	17PAR38/EXPERTCOLOR RETAIL/S8/930/DIM/120V	17	1200	120	90	3000	8	25000	22000	ExpertColor	Active	S	
471003	929001285304	17PAR38/EXPERTCOLOR RETAIL/F25/930/DIM/120V	17	1200	120	90	3000	25	25000	6000	ExpertColor	Active	S	
471029	929001285504	17PAR38/EXPERTCOLOR RETAIL/F25/930/DIM/120V B	17	1200	120	90	3000	25	25000	6000	ExpertColor	Active	T	
471011	929001285404	17PAR38/EXPERTCOLOR RETAIL/F40/930/DIM/120V	17	1200	120	90	3000	40	40000	2700	ExpertColor	Active	S	
471797	929001369804	17PAR38/EXPERTCOLOR/S8/940/DIM/120V	17	1300	120	95	4000	8	40000	25000	ExpertColor	Active	S	
470872	929001340004	17PAR38/EXPERTCOLOR/F25/940/DIM/120V	17	1300	120	95	4000	25	40000	6500	ExpertColor	Active	U	
470880	929001340104	17PAR38/EXPERTCOLOR/F40/940/DIM/120V	17	1300	120	95	4000	40	40000	3000	ExpertColor	Active	U	

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## Energy saving solution

### For PAR Philips LED lamps

#### Estimated lighting costs using a 90W PAR38 Halogen lamp

Present Wattage	90 watts
× Annual operating hours	4,000 hours
=	360,000 watt-hours
÷ 1,000	= 360 kWh per year
× kWh rate of \$0.11	= \$39.60 per year
× 100 lamps	= \$3,960.00 annual energy cost

#### Estimated lighting costs using a Philips 10W PAR38 LED lamp

Present Wattage	10 watts
× Annual operating hours	4,000 hours
=	40,000 watt-hours
÷ 1,000	= 40 kWh per year
× kWh rate of \$0.11	= \$4.40 per year
× 100 lamps	= \$440.00 annual energy cost
<b>Total estimated savings</b>	<b>\$3,520.00 annual savings</b>

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

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

#### WARNINGS AND CAUTIONS

- Suitable for use in wet locations (UL 1993, section 7.3).
- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

#### CAUTION

Risk of electric shock – do not use where directly exposed to water.

**NOTES:** This device complies with Part 15 of the FCC rule. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This Class B complies with Canadian ICES-005.

**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). Lamps rated 25,000 hours is for bare lamp without fixture.



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