

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%¹
- 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)
- Title 20 & JA8 compliant options

Features

- Excellent beam quality for displays
- Average rated life of 25,000 hrs for CorePro and 40,000 hrs for ExpertColor²
- 3-year & 5-year limited warranty³
- 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)

	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 ¹ (hrs.)	MBCP ² (cd)	MC/CP ³	PIPO ⁴	Legend
PAR20 lamp 50W equivalent dimmable⁵														
D ● E	586354	929003739304	5.5PAR20/COR/F25/927-922/DIM/P/T20 6/1FB	5.5	600	120	90	2200-2700	25	25000	1300	CorePro	Active	A
D ● E	586362	929003739404	5.5PAR20/COR/F40/927-922/DIM/P/T20 6/1FB	5.5	600	120	90	2200-2700	40	25000	800	CorePro	Active	A
D ● E	586370	929003739504	5.5PAR20/COR/F25/930/DIM/P/T20 6/1FB	5.5	600	120	90	3000	25	25000	1500	CorePro	Active	A
D ● E	586388	929003739604	5.5PAR20/COR/F40/930/DIM/P/T20 6/1FB	5.5	600	120	90	3000	40	25000	1000	CorePro	Active	A
D ● E	586396	929003739704	5.5PAR20/COR/F25/940/DIM/P/T20 6/1FB	5.5	600	120	90	4000	25	25000	1500	CorePro	Active	A
D ● E	586404	929003739804	5.5PAR20/COR/F40/940/DIM/P/T20 6/1FB	5.5	600	120	90	4000	40	25000	1000	CorePro	Active	A
PAR30L lamp 75W equivalent dimmable														
W ● E	586263	929003738404	8.5PAR30L/COR/927/F25/D/P/ULW/T20 6/1FB	8.5	850	120	90	2700	25	25000	3300	CorePro	Active	B
W ● E	586271	929003738504	8.5PAR30L/COR/927/F40/D/P/ULW/T20 6/1FB	8.5	850	120	90	2700	40	25000	1600	CorePro	Active	B
W ● E	586289	929003738604	8.5PAR30L/COR/930/F25/D/P/ULW/T20 6/1FB	8.5	900	120	90	3000	25	25000	3300	CorePro	Active	B
W ● E	586297	929003738704	8.5PAR30L/COR/930/F40/D/P/ULW/T20 6/1FB	8.5	900	120	90	3000	40	25000	1600	CorePro	Active	B
W ● E	587402	929003753404	8.5PAR30L/COR/940/F25/D/P/ULW/T20 6/1FB	8.5	900	120	90	4000	25	25000	3300	CorePro	Active	B
W ● E	587410	929003753504	8.5PAR30L/COR/940/F40/D/P/ULW/T20 6/1FB	8.5	900	120	90	4000	40	25000	1600	CorePro	Active	B
D ● E	470962	929001341004	12PAR30L/EXPERTCOLOR/F40/927/DIM/120V	12	800	120	95	2700	40	40000	1800	ExpertColor	Phase Out	C
D ● E	587626	929003755604	10PAR30L/EXPERTCOLOR/F40/927/P/D/T/JA8	10	950	120	95	2700	40	40000	2000	ExpertColor	Phase In	C
D ● E	470954	929001340904	12PAR30L/EXPERTCOLOR/F25/927/DIM/120V	12	800	120	95	2700	25	40000	4200	ExpertColor	Phase Out	C
No replacement for 470954; suggest to use CorePro alternative 586263.														
D	471045	929001285704	12PAR30L/EXPERTCOLOR RETAIL/F25/930/DIM/120V	12	880	120	90	3000	25	25000	4500	ExpertColor	Phase Out	C
D	587550	929003754904	10PAR30L/EXPERTCOLOR RETAIL/F25/930/D	10	1000	120	90	3000	25	25000	5000	ExpertColor	Phase In	C
D	471037	929001285604	12PAR30L/EXPERTCOLOR RETAIL/S10/930/DIM/120V	12	880	120	90	3000	10	25000	10000	ExpertColor	Phase Out	C
D	587543	929003754804	10PAR30L/EXPERTCOLOR RETAIL/S10/930/D	10	1000	120	90	3000	10	25000	10000	ExpertColor	Phase In	C
D	471052	929001285804	12PAR30L/EXPERTCOLOR RETAIL/F40/930/DIM/120V	12	880	120	90	3000	40	25000	2000	ExpertColor	Phase Out	C
D	587568	929003755004	10PAR30L/EXPERTCOLOR RETAIL/F40/930/D	10	1000	120	90	3000	40	25000	2500	ExpertColor	Phase In	C
D ● E	470988	929001341204	12PAR30L/EXPERTCOLOR/F40/940/DIM/120V	12	900	120	95	4000	40	40000	2100	ExpertColor	Phase Out	C
D ● E	587642	929003755804	10PAR30L/EXPERTCOLOR/F40/940/P/D/T/JA8	10	1000	120	95	4000	40	40000	2500	ExpertColor	Phase In	C
D ● E	470970	929001341104	12PAR30L/EXPERTCOLOR/F25/940/DIM/120V	12	900	120	95	4000	25	40000	4800	ExpertColor	Phase Out	C
D ● E	587634	929003755704	10PAR30L/EXPERTCOLOR/F25/940/P/D/T/JA8	10	1000	120	95	4000	25	40000	5000	ExpertColor	Phase In	C
PAR30S lamp 75W equivalent dimmable														
W ● E	586305	929003738804	8.5PAR30S/COR/927/F25/D/P/ULW/T20 6/1FB	8.5	850	120	90	2700	25	25000	3300	CorePro	Active	D
W ● E	586313	929003738904	8.5PAR30S/COR/927/F40/D/P/ULW/T20 6/1FB	8.5	850	120	90	2700	40	25000	1600	CorePro	Active	D
W ● E	586321	929003739004	8.5PAR30S/COR/930/F25/D/P/ULW/T20 6/1FB	8.5	900	120	90	3000	25	25000	3300	CorePro	Active	D
W ● E	586339	929003739104	8.5PAR30S/COR/930/F40/D/P/ULW/T20 6/1FB	8.5	900	120	90	3000	40	25000	1600	CorePro	Active	D
W ● E	586347	929003739204	8.5PAR30S/COR/935/F25/D/P/ULW/T20 6/1FB	8.5	900	120	90	3500	25	25000	3300	CorePro	Active	D
W ● E	587428	929003753604	8.5PAR30S/COR/940/F25/D/P/ULW/T20 6/1FB	8.5	900	120	90	4000	25	25000	3300	CorePro	Active	D
W ● E	587436	929003753704	8.5PAR30S/COR/940/F40/D/P/ULW/T20 6/1FB	8.5	900	120	90	4000	40	25000	1600	CorePro	Active	D
D ● E	470898	929001340204	12PAR30S/EXPERTCOLOR/S10/927/DIM/120V	12	800	120	95	2700	10	40000	9500	ExpertColor	Phase Out	E
No replacement for 470898.														
D ● E	470906	929001340304	12PAR30S/EXPERTCOLOR/F25/927/DIM/120V	12	800	120	95	2700	25	40000	4200	ExpertColor	Phase Out	E
D ● E	587600	929003755404	10PAR30S/EXPERTCOLOR/F25/927/P/D/T/JA8	10	950	120	95	2700	25	40000	4500	ExpertColor	Phase In	E
D ● E	470922	929001340604	12PAR30S/EXPERTCOLOR/F25/927/DIM/120V B	12	800	120	95	2700	25	40000	4200	ExpertColor	Phase Out	F
No replacement for 470922.														
D ● E	470914	929001340404	12PAR30S/EXPERTCOLOR/F40/927/DIM/120V	12	800	120	95	2700	40	40000	1800	ExpertColor	Phase Out	E
D ● E	587618	929003755504	10PAR30S/EXPERTCOLOR/F40/927/P/D/T/JA8	10	950	120	95	2700	40	40000	2000	ExpertColor	Phase In	E
D	471060	929001285904	12PAR30S/EXPERTCOLOR RETAIL/S10/930/DIM/120V	12	880	120	90	3000	10	25000	10000	ExpertColor	Phase Out	E
D	587576	929003755104	10PAR30S/EXPERTCOLOR RETAIL/S10/930/D	10	1000	120	90	3000	25	25000	10000	ExpertColor	Phase In	E
D	471078	929001286004	12PAR30S/EXPERTCOLOR RETAIL/F25/930/DIM/120V	12	880	120	90	3000	25	25000	4500	ExpertColor	Phase Out	E
D	587584	929003755204	10PAR30S/EXPERTCOLOR RETAIL/F25/930/D	10	1000	120	90	3000	25	25000	5000	ExpertColor	Phase In	E
D ●	471094	929001286204	12PAR30S/EXPERTCOLOR RETAIL/F25/930/DIM/120V B	12	880	120	90	3000	25	25000	4500	ExpertColor	Phase Out	F
No replacement for 471094.														

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- MBCP (cd): Maximum Beam Candlepower, based on photometric testing consistent with IES LM-79.
- MC/CP: MasterClass or CorePro.
- PIPO: Stands for Phase In Phase Out
- 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 ■ = 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.

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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 ¹ (hrs.)	MBCP ² (cd)	MC/CP ³	PIPO ⁴	Legend
D	471086	929001286104	12PAR30S/EXPERTCOLOR RETAIL/F40/930/DIM/120V	12	880	120	90	3000	40	25000	2000	ExpertColor	Phase Out	E
D	587592	929003755304	10PAR30S/EXPERTCOLOR RETAIL/F40/930/D	10	1000	120	90	3000	40	25000	2500	ExpertColor	Phase In	E
D E	471789	929001369704	12PAR30S/EXPERTCOLOR/S10/940/DIM/120V	12	950	120	95	4000	40	40000	10500	ExpertColor	Phase Out	E
PAR30S lamp 75W equivalent dimmable (continued)														
No replacement for 471789.														
D E	470930	929001340704	12PAR30S/EXPERTCOLOR/F25/940/DIM/120V	12	900	120	95	4000	25	40000	4800	ExpertColor	Phase Out	E
No replacement for 470930; suggest CorePro alternative 587428.														
D E	470948	929001340804	12PAR30S/EXPERTCOLOR/F40/940/DIM/120V	12	900	120	95	4000	40	40000	2100	ExpertColor	Phase Out	E
D E	590216	929004579004	10PAR30S/EXPERTCOLOR/F40/940/P/D/T/JA8	10	1000	120	95	4000	40	40000	2500	ExpertColor	Phase In	E
PAR38 lamp 90W equivalent dimmable														
W E	586214	929003737904	10PAR38/COR/927/F25/DIM/P/ULW/T20 6/1FB	10	1000	120	90	2700	25	25000	4100	CorePro	Active	G
W E	586222	929003738004	10PAR38/COR/927/F40/DIM/P/ULW/T20 6/1FB	10	1000	120	90	2700	40	25000	1800	CorePro	Active	G
W E	586230	929003738104	10PAR38/COR/930/F25/DIM/P/ULW/T20 6/1FB	10	1000	120	90	3000	25	25000	4100	CorePro	Active	G
W E	586248	929003738204	10PAR38/COR/930/F40/DIM/P/ULW/T20 6/1FB	10	1000	120	90	3000	40	25000	1900	CorePro	Active	G
W E	586255	929003738304	10PAR38/COR/940/F40/DIM/P/ULW/T20 6/1FB	10	1000	120	90	4000	40	25000	1900	CorePro	Active	G
PAR38 lamp 120W equivalent dimmable														
W E	586115	929003736904	13PAR38/COR/927/F25/DIM/P/ULW/T20 6/1FB	13	1300	120	90	2700	25	25000	5700	CorePro	Active	G
W E	586123	929003737004	13PAR38/COR/927/F40/DIM/P/ULW/T20 6/1FB	13	1300	120	90	2700	40	25000	2450	CorePro	Active	G
W E	586131	929003737104	13PAR38/COR/930/F25/DIM/P/ULW/T20 6/1FB	13	1300	120	90	3000	25	25000	6000	CorePro	Active	G
W E	586149	929003737204	13PAR38/COR/930/F40/DIM/P/ULW/T20 6/1FB	13	1300	120	90	3000	40	25000	2500	CorePro	Active	G
W E	586198	929003737704	13PAR38/COR/930/F25/D/P/ULW/B/T20 6/1FB	13	1300	120	90	3000	25	25000	6000	CorePro	Active	H
W E	586206	929003737804	13PAR38/COR/935/F25/DIM/P/ULW/T20 6/1FB	13	1300	120	90	3500	25	25000	6000	CorePro	Active	G
W E	586156	929003737304	13PAR38/COR/940/F25/DIM/P/ULW/T20 6/1FB	13	1300	120	90	4000	25	25000	6000	CorePro	Active	G
W E	586164	929003737404	13PAR38/COR/940/F40/DIM/P/ULW/T20 6/1FB	13	1300	120	90	4000	40	25000	2500	CorePro	Active	G
W E	586172	929003737504	13PAR38/COR/950/F25/DIM/P/ULW/T20 6/1FB	13	1300	120	90	5000	25	25000	6000	CorePro	Active	G
W E	586180	929003737604	13PAR38/COR/950/F40/DIM/P/ULW/T20 6/1FB	13	1300	120	90	5000	40	25000	2500	CorePro	Active	G
D E	470823	929001339404	17PAR38/EXPERTCOLOR/S8/927/DIM/120V	17	1100	120	95	2700	8	40000	21000	ExpertColor	Phase Out	G
D E	587485	929003754204	14PAR38/EXPERTCOLOR/S8/927/P/D/T20/JA8	14	1250	120	95	2700	8	40000	24000	ExpertColor	Phase In	I
D E	470831	929001339504	17PAR38/EXPERTCOLOR/F25/927/DIM/120V	17	1100	120	95	2700	25	40000	5800	ExpertColor	Phase Out	I
D E	587493	929003754304	14PAR38/EXPERTCOLOR/F25/927/P/D/T20/JA8	14	1250	120	95	2700	25	40000	6500	ExpertColor	Phase In	I
D ●	470864	929001339804	17PAR38/EXPERTCOLOR/F25/927/DIM/120V B	17	1100	120	95	2700	25	40000	5800	ExpertColor	Phase Out	J
No replacement for 470864.														
D E	470849	929001339604	17PAR38/EXPERTCOLOR/F40/927/DIM/120V	17	1100	120	95	2700	40	40000	2600	ExpertColor	Phase Out	I
D E	587501	929003754404	14PAR38/EXPERTCOLOR/F40/927/P/D/T20/JA8	14	1250	120	95	2700	40	40000	3000	ExpertColor	Phase In	I
D	470996	929001285204	17PAR38/EXPERTCOLOR RETAIL/S8/930/DIM/120V	17	1200	120	90	3000	8	25000	22000	ExpertColor	Phase Out	I
D	587444	929003753804	14PAR38/EXPERTCOLOR RETAIL/S8/930/P/D	14	1350	120	90	3000	8	25000	26000	ExpertColor	Phase In	I
D	471003	929001285304	17PAR38/EXPERTCOLOR RETAIL/F25/930/DIM/120V	17	1200	120	90	3000	25	25000	6000	ExpertColor	Phase Out	I
D	587451	929003753904	14PAR38/EXPERTCOLOR RETAIL/F25/930/P/D	14	1350	120	90	3000	25	25000	7000	ExpertColor	Phase In	I
D ●	471029	929001285504	17PAR38/EXPERTCOLOR RETAIL/F25/930/DIM/120V B	17	1200	120	90	3000	25	25000	6000	ExpertColor	Phase Out	J
D ●	587477	929003754104	14PAR38/EXPERTCOLOR RETAIL/F25/930/P/D/B	14	1350	120	90	3000	25	25000	7000	ExpertColor	Phase In	J
D	471011	929001285404	17PAR38/EXPERTCOLOR RETAIL/F40/930/DIM/120V	17	1200	120	90	3000	40	25000	2700	ExpertColor	Phase Out	I
D	587469	929003754004	14PAR38/EXPERTCOLOR RETAIL/F40/930/P/D	14	1350	120	90	3000	40	25000	3400	ExpertColor	Phase In	I
D E	471797	929001369804	17PAR38/EXPERTCOLOR/S8/940/DIM/120V	17	1300	120	95	4000	8	40000	25000	ExpertColor	Phase Out	I
D E	587519	929003754504	14PAR38/EXPERTCOLOR/S8/940/P/D/T20/JA8	14	1350	120	95	4000	8	40000	26000	ExpertColor	Phase In	I
D E	470872	929001340004	17PAR38/EXPERTCOLOR/F25/940/DIM/120V	17	1250	120	95	4000	25	40000	6500	ExpertColor	Phase Out	I
D E	587527	929003754604	14PAR38/EXPERTCOLOR/F25/940/P/D/T20/JA8	14	1350	120	95	4000	25	40000	7000	ExpertColor	Phase In	I
D E	470880	929001340104	17PAR38/EXPERTCOLOR/F40/940/DIM/120V	17	1250	120	95	4000	40	40000	3000	ExpertColor	Phase Out	I
D E	587535	929003754704	14PAR38/EXPERTCOLOR/F40/940/P/D/T20/JA8	14	1350	120	95	4000	40	40000	3400	ExpertColor	Phase In	I

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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).

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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
Total estimated savings	\$3,520.00 annual savings

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



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Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone 800-555-0050

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

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