

PHILIPS

Lamps

ExpertColor



Extraordinary results
create unforgettable
experiences

Create a perfect ambience for any environment



Philips ExpertColor LED lamps with single optic technology combines a contemporary look and color quality of traditional halogens while using a fraction of the energy.

Benefits

- High CRI/HighR9
- Consistent Color and Lumen maintenance over life of product
- Wide patented spectrum spec that meets a range of applications
- Deep dimming below 5%
- Vibrant range of colors that “pop”

Features

- 40,000 hour LED Lifetime¹
- Easy to replace/retro-fit- “Perfect fit” in most current Halogen fixtures
- Optimized look and feel of product
- 5-year limited component warranty depending upon operating hours

For details visit <http://www.philips.com/warranties>



Early initial qualification for ENERGY STAR® allows for directional lamp life claims of 25,000 hours (L70) with 3,000 hour actual test data, LM80 data and in-situ temperature measurements. As the lamps pass ENERGY STAR® requirements, manufacturers may increase the lifetime of a product as dictated by ENERGY STAR® guidelines.

Visit bit.ly/2tSAwbR, ENERGY STAR® Light Bulbs for Partners web page for further details.



The innovative and trimless V-Groove lens design creates an integrated look, combining high quality light with minimal design to suit every hospitality application.

Energy saving solution

Estimated lighting costs

using a standard 90W PAR38 Halogen lamp

Present Wattage	50 W
× Annual operating hours	4,000 hrs
Watt × hours =	200,000 Watt-hours
÷ 1,000 =	200 kWh per year
× kWh rate of \$0.11 =	\$22. ⁰⁰ per year
× 100 lamps	\$2,200. ⁰⁰ annual energy cost per space

Estimated lighting costs

using a Philips 13.5W PAR38 LED lamp

Present Wattage	7 W
× Annual operating hours	4,000 hrs
Watt × hours =	28,000 Watt-hours
÷ 1,000 =	28 kWh per year
× kWh rate of \$0.11 =	\$3. ⁰⁸ per year
× 100 lamps	\$308. ⁰⁰ annual energy cost per space

Total estimated annual savings of \$1,892.⁰⁰

Annual savings based on 100 lamps per space operating at 4,000 hours per year.

ExpertColor LED lamps

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

Product number	Model number	Order Code	Nom. watts (W)	Repl. watts (W)	Volts (V)	Lamp type	Lamp base	LED lifetime ¹ (hrs.)	Lumens ² (lm)	MBCP ³ (cd)	Color temp (CCT)	Color index (CRI)	Dimmable ⁴
470823	9290013394	17PAR38 ExpertColor S8 927 DIM 120V	17	100	120	PAR38	E26	40000	1100	21000	2700	90	YES
470831	9290013395	17PAR38 ExpertColor F25 927 DIM 120V	17	120	120	PAR38	E26	40000	1100	5800	2700	90	YES
470849	9290013396	17PAR38 ExpertColor F40 927 DIM 120V	17	120	120	PAR38	E26	40000	1100	2600	2700	90	YES
470864	9290013398	17PAR38 ExpertColor F25 927 DIM 120V B	17	120	120	PAR38	E26	40000	1100	5800	2700	90	YES
470872	9290013400	17PAR38 ExpertColor F25 940 DIM 120V	17	120	120	PAR38	E26	40000	1250	6500	4000	90	YES
470880	9290013401	17PAR38 ExpertColor F40 940 DIM 120V	17	120	120	PAR38	E26	40000	1250	3000	4000	90	YES
470898	9290013402	12PAR30S ExpertColor S10 927 DIM 120V	12	75	120	PAR30S	E26	40000	800	9500	2700	90	YES
470906	9290013403	12PAR30S ExpertColor F25 927 DIM 120V	12	75	120	PAR30S	E26	40000	800	4200	2700	90	YES
470914	9290013404	12PAR30S ExpertColor F40 927 DIM 120V	12	75	120	PAR30S	E26	40000	800	1800	2700	90	YES
470922	9290013406	12PAR30S ExpertColor F25 927 DIM 120V B	12	75	120	PAR30S	E26	40000	800	4200	2700	90	YES
470930	9290013407	12PAR30S ExpertColor F25 940 DIM 120V	12	75	120	PAR30S	E26	40000	900	4800	4000	90	YES
470948	9290013408	12PAR30S ExpertColor F40 940 DIM 120V	12	75	120	PAR30S	E26	40000	900	2100	4000	90	YES
470954	9290013409	12PAR30L ExpertColor F25 927 DIM 120V	12	75	120	PAR30L	E26	40000	800	4200	2700	90	YES
470962	9290013410	12PAR30L ExpertColor F40 927 DIM 120V	12	75	120	PAR30L	E26	40000	800	1800	2700	90	YES
470970	9290013411	12PAR30L ExpertColor F25 940 DIM 120V	12	75	120	PAR30L	E26	40000	900	4800	4000	90	YES
470988	9290013412	12PAR30L ExpertColor F40 940 DIM 120V	12	75	120	PAR30L	E26	40000	900	2100	4000	90	YES
470138	9290018725	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	40,000	480	5300	2700	95	YES
470146	9290018726	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	40,000	480	5300	3000	95	YES
470153	9290018727	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	40,000	540	5900	4000	95	YES
470161	9290018728	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	40,000	480	2330	2700	95	YES
470179	9290018729	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	40,000	480	2330	3000	95	YES
470187	9290018730	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	40,000	540	2600	4000	95	YES
470195	9290018731	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	40,000	480	1320	2700	95	YES
470203	9290018732	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	40,000	480	1320	3000	95	YES
470211	9290018733	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	40,000	540	1450	4000	95	YES
471789	9290013697	12PAR30S ExpertColor S10 940 DIM 120V	12	75	120	PAR30S	E26	40,000	900	10,500	4,000	90	YES
471797	9290013698	17PAR38 ExpertColor S8 940 DIM 120V	17	100	120	PAR38	E26	40,000	1,300	25,000	4,000	90	YES
470996	9290012852	17PAR38 ExpertColor Retail S8 930 DIM 120V	17	100	120	PAR38	E26	40,000	1,200	22,000	3,000	90	YES
471003	9290012853	17PAR38 ExpertColor Retail F25 930 DIM 120V	17	120	120	PAR38	E26	40,000	1,200	6,000	3,000	90	YES
471011	9290012854	17PAR38 ExpertColor Retail F40 930 DIM 120V	17	120	120	PAR38	E26	40,000	1,200	2,700	3,000	90	YES
471029	9290012855	17PAR38 ExpertColor Retail F25 930 DIM 120V B	17	120	120	PAR38	E26	40,000	1,200	6,000	3,000	90	YES
471037	9290012856	12PAR30L ExpertColor Retail S10 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	10,000	3,000	90	YES
471045	9290012857	12PAR30L ExpertColor Retail F25 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	4,500	3,000	90	YES
471052	9290012858	12PAR30L ExpertColor Retail F40 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	2,000	3,000	90	YES
471060	9290012859	12PAR30S ExpertColor Retail S10 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	10,000	3,000	90	YES
471078	9290012860	12PAR30S ExpertColor Retail F25 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	4,500	3,000	90	YES
471086	9290012861	12PAR30S ExpertColor Retail F40 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	2,000	3,000	90	YES
471094	9290012862	12PAR30S ExpertColor Retail F25 930 DIM 120V B	12	75	120	PAR30S	E26	40,000	880	4,500	3,000	90	YES

- 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).
- Light output comparison based upon the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at bit.ly/2tgrf15. ENERGY STAR® Light Bulbs for Partners Lighting web page (Lamps V2.0 January 2017 PDF page 14 for more information).
- Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
- Dimmable when using leading and trailing edge dimmers (visit Philips.com/ledtechguide for compatible dimmers).



© 2018 Philips Lighting Holding B.V. All rights reserved. Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

PLT-17001BR 10/18 philips.com/expertcolor

Philips Lighting
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873
Tel. 855-486-2216

Philips Lighting Canada Ltd.
281 Hillmount Rd,
Markham, ON,
Canada L6C 2S3
Tel. 800-668-9008