

PHILIPS

LED Lamps

ExpertColor

Lamps

Extraordinary results
create unforgettable
experiences



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.

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.

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	4000	90	YES
471797	9290013698	17PAR38 ExpertColor S8 940 DIM 120V	17	100	120	PAR38	E26	40,000	1,300	25,000	4000	90	YES
470996	9290012852	17PAR38 ExpertColor Retail S8 930 DIM 120V	17	100	120	PAR38	E26	40,000	1,200	22,000	3000	90	YES
471003	9290012853	17PAR38 ExpertColor Retail F25 930 DIM 120V	17	120	120	PAR38	E26	40,000	1,200	6,000	3000	90	YES
471011	9290012854	17PAR38 ExpertColor Retail F40 930 DIM 120V	17	120	120	PAR38	E26	40,000	1,200	2,700	3000	90	YES
471029	9290012855	17PAR38 ExpertColor Retail F25 930 DIM 120V B	17	120	120	PAR38	E26	40,000	1,200	6,000	3000	90	YES
471037	9290012856	12PAR30L ExpertColor Retail S10 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	10,000	3000	90	YES
471045	9290012857	12PAR30L ExpertColor Retail F25 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	4,500	3000	90	YES
471052	9290012858	12PAR30L ExpertColor Retail F40 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	2,000	3000	90	YES
471060	9290012859	12PAR30S ExpertColor Retail S10 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	10,000	3000	90	YES
471078	9290012860	12PAR30S ExpertColor Retail F25 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	4,500	3000	90	YES
471086	9290012861	12PAR30S ExpertColor Retail F40 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	2,000	3000	90	YES
471094	9290012862	12PAR30S ExpertColor Retail F25 930 DIM 120V B	12	75	120	PAR30S	E26	40,000	880	4,500	3000	90	YES
547687	9290020921	12PAR30S/MAS/927/F40/DIM/EC/120V B 6/1FB	12	75	120	PAR30S	E26	40,000	800	1,315	2700	95	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).

ExpertColor LED lamps

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.	SKU's 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.)
470823	46677470821	50046677470826	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470831	46677470838	50046677470833	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470849	46677470845	50046677470840	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470864	46677470869	50046677470864	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470872	46677470876	50046677470871	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470880	46677470883	50046677470888	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470898	46677470890	50046677470895	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
470906	46677470906	50046677470901	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
470914	46677470913	50046677470918	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
470922	46677470920	50046677470925	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
470930	46677470937	50046677470932	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
470948	46677470944	50046677470949	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
470954	46677470951	50046677470956	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
470962	46677470968	50046677470963	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
470970	46677470975	50046677470970	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
470988	46677470982	50046677470987	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
471789	46677471781	50046677471786	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
471797	46677471798	50046677471793	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
470996	46677470999	50046677470994	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
471003	46677471002	50046677471007	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
471011	46677471019	50046677471014	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
471029	46677471026	50046677471021	6	7.7484	0.61	420	60	7	5.16 x 5.16 x 5.55	15.83 x 10.63 x 6.22	47.24 x 39.37 x 49.69
471037	46677471033	50046677471038	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
471045	46677471040	50046677471045	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
471052	46677471057	50046677471052	6	4.9082	0.34	768	96	8	4.06 x 4.06 x 4.92	12.52 x 8.43 x 5.55	47.24 x 39.37 x 50.24
471060	46677471064	50046677471069	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
471078	46677471071	50046677471076	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
471086	46677471088	50046677471083	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
471094	46677471095	50046677471090	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39
547687	46677547684	50046677471090	6	4.3406	0.29	960	96	10	4.06 x 4.06 x 4.09	12.52 x 8.43 x 4.72	47.24 x 39.37 x 53.39

Warnings and Cautions

- Suitable for use in damp locations only.
- Rated for use in enclosed fixtures.
- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

Caution: Risk of electric shock.

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.





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