

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

- Up to 40,000 hours 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

Lamps
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GU5.3 E26



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	Legend
MasterClass ExpertColor - PAR38														
470823	929001339404	17PAR38 ExpertColor S8 927 DIM 120V	17	100	120	PAR38	E26	40,000	1100	21000	2700	90	YES	B
470831	929001339504	17PAR38 ExpertColor F25 927 DIM 120V	17	120	120	PAR38	E26	40,000	1100	5800	2700	90	YES	B
470864	929001339804	17PAR38 ExpertColor F25 927 DIM 120V B	17	120	120	PAR38	E26	40,000	1100	5800	2700	90	YES	A
470849	929001339604	17PAR38 ExpertColor F40 927 DIM 120V	17	120	120	PAR38	E26	40,000	1100	2600	2700	90	YES	B
470996	929001285204	17PAR38 ExpertColor Retail S8 930 DIM 120V	17	100	120	PAR38	E26	40,000	1200	22000	3000	90	YES	B
471003	929001285304	17PAR38 ExpertColor Retail F25 930 DIM 120V	17	120	120	PAR38	E26	40,000	1200	6000	3000	90	YES	B
471029	929001285504	17PAR38 ExpertColor Retail F25 930 DIM 120V B	17	120	120	PAR38	E26	40,000	1200	6000	3000	90	YES	A
471011	929001285404	17PAR38 ExpertColor Retail F40 930 DIM 120V	17	120	120	PAR38	E26	40,000	1200	2700	3000	90	YES	B
471797	929001369804	17PAR38 ExpertColor S8 940 DIM 120V	17	100	120	PAR38	E26	40,000	1300	25000	4000	90	YES	B
470872	929001340004	17PAR38 ExpertColor F25 940 DIM 120V	17	120	120	PAR38	E26	40,000	1250	6500	4000	90	YES	B
470880	929001340104	17PAR38 ExpertColor F40 940 DIM 120V	17	120	120	PAR38	E26	40,000	1250	3000	4000	90	YES	B
MasterClass ExpertColor - PAR30L														
470954	929001340904	12PAR30L ExpertColor F25 927 DIM 120V	12	75	120	PAR30L	E26	40,000	800	4200	2700	90	YES	C
470962	929001341004	12PAR30L ExpertColor F40 927 DIM 120V	12	75	120	PAR30L	E26	40,000	800	1800	2700	90	YES	C
471037	929001285604	12PAR30L ExpertColor Retail S10 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	10000	3000	90	YES	C
471045	929001285704	12PAR30L ExpertColor Retail F25 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	4500	3000	90	YES	C
471052	929001285804	12PAR30L ExpertColor Retail F40 930 DIM 120V	12	90	120	PAR30L	E26	40,000	880	2000	3000	90	YES	C
470970	929001341104	12PAR30L ExpertColor F25 940 DIM 120V	12	75	120	PAR30L	E26	40,000	900	4800	4000	90	YES	C
470988	929001341204	12PAR30L ExpertColor F40 940 DIM 120V	12	75	120	PAR30L	E26	40,000	900	2100	4000	90	YES	C
MasterClass ExpertColor - PAR30S														
470906	929001340304	12PAR30S ExpertColor F25 927 DIM 120V	12	75	120	PAR30S	E26	40,000	800	4200	2700	90	YES	E
470914	929001340404	12PAR30S ExpertColor F40 927 DIM 120V	12	75	120	PAR30S	E26	40,000	800	1800	2700	90	YES	E
470922	929001340604	12PAR30S ExpertColor F25 927 DIM 120V B	12	75	120	PAR30S	E26	40,000	800	4200	2700	90	YES	D
471060	929001285904	12PAR30S ExpertColor Retail S10 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	10000	3000	90	YES	E
471078	929001286004	12PAR30S ExpertColor Retail F25 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	4500	3000	90	YES	E
471086	929001286104	12PAR30S ExpertColor Retail F40 930 DIM 120V	12	75	120	PAR30S	E26	40,000	880	2000	3000	90	YES	E
470930	929001340704	12PAR30S ExpertColor F25 940 DIM 120V	12	75	120	PAR30S	E26	40,000	900	4800	4000	90	YES	E
470948	929001340804	12PAR30S ExpertColor F40 940 DIM 120V	12	75	120	PAR30S	E26	40,000	900	2100	4000	90	YES	E
MasterClass ExpertColor - PAR20														
535260	929001921804	8.5PAR20/PER/927/F25/DIM/EC/120V 6/1FB	8.5	50	120	PAR20	E26	25,000	600	2450	2700	95	YES	F
535278	929001921904	8.5PAR20/PER/930/F25/DIM/EC/120V 6/1FB	8.5	50	120	PAR20	E26	25,000	610	2550	3000	95	YES	F
535300	929001922204	8.5PAR20/PER/930/F40/DIM/EC/120V 6/1FB	8.5	50	120	PAR20	E26	25,000	610	1100	3000	95	YES	F
MasterClass ExpertColor - MR16														
573576	929003080704	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	25,000	480	5300	2700	95	YES	G
573584	929003080804	7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	25,000	480	5300	3000	95	YES	G
470153	9290018727	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	25,000	540	5900	4000	95	YES	G
573592	929003080904	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	7.8	35	12	MR16	GU5.3	25,000	540	5900	4000	95	YES	G
573600	929003081004	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	25,000	480	2330	2700	95	YES	G
573618	929003081104	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	25,000	480	2330	3000	95	YES	G
470187	9290018730	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	25,000	540	2600	4000	95	YES	G
470195	9290018731	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	25,000	480	1320	2700	95	YES	G
470203	9290018732	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	25,000	480	1320	3000	95	YES	G
470211	9290018733	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	7.8	50	12	MR16	GU5.3	25,000	540	1450	4000	95	YES	G

- 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/2tgRI15 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).

This Class B complies with Canadian ICES-005.

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GU5.3 E26



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.)
MasterClass ExpertColor - PAR38											
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
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
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
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
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
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
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
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
MasterClass ExpertColor - PAR30L											
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
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
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
MasterClass ExpertColor - PAR30S											
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
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
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
MasterClass ExpertColor - PAR20											
535260	46677535261	50046677535266	6	2.4046	0.12	2244	204	11	2.76 x 2.76 x 3.54	8.62 x 5.83 x 4.17	47.24 x 39.37 x 52.05
535278	46677535278	50046677535273	6	2.4046	0.12	2244	204	11	2.76 x 2.76 x 3.54	8.62 x 5.83 x 4.17	47.24 x 39.37 x 52.05
535300	46677535308	50046677535303	6	2.4046	0.12	2244	204	11	2.76 x 2.76 x 3.54	8.62 x 5.83 x 4.17	47.24 x 39.37 x 52.05
MasterClass ExpertColor - MR16											
573576	046677573577	50046677573572	10	1.6588	0.06	8160	510	16	1.77 x 1.77 x 2.05	9.29 x 3.98 x 2.84	47.24 x 39.37 x 51.14
573584	046677573584	50046677573589	10	1.6588	0.06	8160	510	16	1.77 x 1.77 x 2.05	9.29 x 3.98 x 2.84	47.24 x 39.37 x 51.14
470153	046677470159	50046677470154	10	1.54	0.07	6840	380	18	2.01 x 2.01 x 2.01	10.47 x 4.45 x 2.60	47.24 x 39.37 x 52.95
573592	046677573591	50046677573596	10	1.6588	0.06	8160	510	16	1.77 x 1.77 x 2.05	9.29 x 3.98 x 2.84	47.24 x 39.37 x 51.14
573600	046677573607	50046677573602	10	1.6588	0.06	8160	510	16	1.77 x 1.77 x 2.05	9.29 x 3.98 x 2.84	47.24 x 39.37 x 51.14
573618	046677573614	50046677573619	10	1.6588	0.06	8160	510	16	1.77 x 1.77 x 2.05	9.29 x 3.98 x 2.84	47.24 x 39.37 x 51.14
470187	46677470180	50046677470185	10	1.54	0.07	6840	380	18	2.01 x 2.01 x 2.01	10.47 x 4.45 x 2.60	47.24 x 39.37 x 52.95
470195	046677470197	50046677470192	10	1.54	0.07	6840	380	18	2.01 x 2.01 x 2.01	10.47 x 4.45 x 2.60	47.24 x 39.37 x 52.95
470203	046677470203	50046677470208	10	1.54	0.07	6840	380	18	2.01 x 2.01 x 2.01	10.47 x 4.45 x 2.60	47.24 x 39.37 x 52.95
470211	46677470210	50046677470215	10	1.54	0.07	6840	380	18	2.01 x 2.01 x 2.01	10.47 x 4.45 x 2.60	47.24 x 39.37 x 52.95

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.





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Signify North America
Corporation
400 Crossing Boulevard,
Bridgewater, NJ 08807
Telephone 855-486-2216

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