

PHILIPS

LED

ExpertColor lamps



Create a perfect ambience for any environment

Philips LED ExpertColor 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 & 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 warranty depending upon operating hours[‡]

Philips LED ExpertColor lamps

Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Model Number	Order Code	Nom. Watts	Repl. Watts	Volts	Lamp Type	Base	LED Lifetime ¹ (hrs.)	Lumens ²	MBCP ³ (Cd)	Color Temp (K)	CRI	Dim ⁴	
○	47013-8	9290013417	7MR16 ExpertColor S10 927 D	7W	30W	12	MR16	GU5.3	40,000	430	4600	2700K	95	Dimmable
●	47014-6	9290012913	7MR16 ExpertColor S10 930 D	7W	30W	12	MR16	GU5.3	40,000	460	5000	3000K	95	Dimmable
○	47015-3	9290013419	7MR16 ExpertColor S10 940 D	7W	30W	12	MR16	GU5.3	40,000	460	5000	4000K	95	Dimmable
○	47016-1	9290013420	7MR16 ExpertColor F25 927 D	7W	42W	12	MR16	GU5.3	40,000	430	2200	2700K	95	Dimmable
●	47017-9	9290013421	7MR16 ExpertColor F25 930 D	7W	42W	12	MR16	GU5.3	40,000	460	2350	3000K	95	Dimmable
○	47018-7	9290013422	7MR16 ExpertColor F25 940 D	7W	42W	12	MR16	GU5.3	40,000	460	2350	4000K	95	Dimmable
○	47019-5	9290013423	7MR16 ExpertColor F35 927 D	7W	42W	12	MR16	GU5.3	40,000	430	1300	2700K	95	Dimmable
●	47020-3	9290013424	7MR16 ExpertColor F35 930 D	7W	42W	12	MR16	GU5.3	40,000	460	1400	3000K	95	Dimmable
○	47021-1	9290013425	7MR16 ExpertColor F35 940 D	7W	42W	12	MR16	GU5.3	40,000	460	1400	4000K	95	Dimmable
●	47022-9	9290013426	7MR16 ExpertColor Retail S10 930	7W	30W	12	MR16	GU5.3	40,000	430	4600	3000K	90	Non-Dim
●	47023-7	9290013427	7MR16 ExpertColor Retail F25 930	7W	42W	12	MR16	GU5.3	40,000	430	2200	3000K	90	Non-Dim
●	47024-5	9290013428	7MR16 ExpertColor Retail F35 930	7W	42W	12	MR16	GU5.3	40,000	430	1300	3000K	90	Non-Dim
◇	47082-3	9290013394	17PAR38/EXPERTCOLOR/S8/927/	17W	100W	120VAC	PAR38	E26	40000	1150	21000	2700K	95	Dimmable
◇	47083-1	9290013395	17PAR38/EXPERTCOLOR/F25/927/	17W	120W	120VAC	PAR38	E26	40000	1150	5800	2700K	95	Dimmable
◇	47084-9	9290013396	17PAR38/EXPERTCOLOR/F40/927/	17W	120W	120VAC	PAR38	E26	40000	1150	2600	2700K	95	Dimmable
◇	47086-4	9290013398	17PAR38/EXPERTCOLOR/F25/927/ B	17W	120W	120VAC	PAR38	E26	40000	1150	5800	2700K	95	Dimmable
◇	47089-8	9290013402	12PAR30S/EXPERTCOLOR/S10/927/	12W	75W	120VAC	PAR30S/L	E26	40000	850	10000	2700K	95	Dimmable
◇	47090-6	9290013403	12PAR30S/EXPERTCOLOR/F25/927/	12W	75W	120VAC	PAR30S/L	E26	40000	850	4200	2700K	95	Dimmable
◇	47091-4	9290013404	12PAR30S/EXPERTCOLOR/F40/927/	12W	75W	120VAC	PAR30S/L	E26	40000	850	1800	2700K	95	Dimmable
◇	47092-2	9290013406	12PAR30S/EXPERTCOLOR/F25/927/ B	12W	75W	120VAC	PAR30S/L	E26	40000	850	4200	2700K	95	Dimmable
◇	47095-4	9290013409	12PAR30L/EXPERTCOLOR/F25/927/	12W	75W	120VAC	PAR30S/L	E26	40000	850	4200	2700K	95	Dimmable
◇	47096-2	9290013410	12PAR30L/EXPERTCOLOR/F40/927/	12W	75W	120VAC	PAR30S/L	E26	40000	850	1800	2700K	95	Dimmable
◇	47087-2	9290013400	17PAR38/EXPERTCOLOR/F25/940/	17W	120W	120VAC	PAR38	E26	40000	1300	6500	4000K	95	Dimmable
◇	47088-0	9290013401	17PAR38/EXPERTCOLOR/F40/940/	17W	120W	120VAC	PAR38	E26	40000	1300	3000	4000K	95	Dimmable
◇	47093-0	9290013407	12PAR30S/EXPERTCOLOR/F25/940/	12W	75W	120VAC	PAR30S/L	E26	40000	950	4800	4000K	95	Dimmable
◇	47094-8	9290013408	12PAR30S/EXPERTCOLOR/F40/940/	12W	75W	120VAC	PAR30S/L	E26	40000	950	2100	4000K	95	Dimmable
◇	47097-0	9290013411	12PAR30L/EXPERTCOLOR/F25/940/	12W	75W	120VAC	PAR30S/L	E26	40000	950	4800	4000K	95	Dimmable
◇	47098-8	9290013412	12PAR30L/EXPERTCOLOR/F40/940/	12W	75W	120VAC	PAR30S/L	E26	40000	950	2100	4000K	95	Dimmable
◆	47099-6	9290012852	17PAR38/EXPERTCOLOR RETAIL/S8/930/	17W	100W	120	PAR38	E26	40000	1200	22000	3000K	90	Dimmable
◆	47100-3	9290012853	17PAR38/EXPERTCOLOR RETAIL/F25/930/	17W	120W	120	PAR38	E26	40000	1200	6000	3000K	90	Dimmable
◆	47101-1	9290012854	17PAR38/EXPERTCOLOR RETAIL/F40/930/	17W	120W	120	PAR38	E26	40000	1200	2700	3000K	90	Dimmable
◆	47106-0	9290012859	12PAR30S/EXPERTCOLOR RETAIL/S10/930/	12W	75W	120	PAR30S/L	E26	40000	880	10000	3000K	90	Dimmable
◆	47107-8	9290012860	12PAR30S/EXPERTCOLOR RETAIL/F25/930/	12W	75W	120	PAR30S/L	E26	40000	880	4500	3000K	90	Dimmable
◆	47108-6	9290012861	12PAR30S/EXPERTCOLOR RETAIL/F40/930/	12W	75W	120	PAR30S/L	E26	40000	880	2000	3000K	90	Dimmable
◆	47103-7	9290012856	12PAR30L/EXPERTCOLOR RETAIL/S10/930/	12W	75W	120	PAR30S/L	E26	40000	880	10000	3000K	90	Dimmable
◆	47104-5	9290012857	12PAR30L/EXPERTCOLOR RETAIL/F25/930/	12W	75W	120	PAR30S/L	E26	40000	880	4500	3000K	90	Dimmable
◆	47105-2	9290012858	12PAR30L/EXPERTCOLOR RETAIL/F40/930/	12W	75W	120	PAR30S/L	E26	40000	880	2000	3000K	90	Dimmable
◆	47102-9	9290012855	17PAR38/EXPERTCOLOR RETAIL/F25/930/ B	17W	120W	120	PAR38	E26	40000	1200	6000	3000K	90	Dimmable
◆	47109-4	9290012862	12PAR30S/EXPERTCOLOR RETAIL/F25/930/ B	12W	75W	120	PAR30S/L	E26	40000	880	4500	3000K	90	Dimmable
◇	47178-9	9290013697	12PAR30S/EXPERTCOLOR/S10/940/	12W	75W	120	PAR30S/L	E26	40000	950	10500	4000K	95	Dimmable
◇	47179-7	9290013698	17PAR38/EXPERTCOLOR/S8/940/	17W	100W	120	PAR38	E26	40000	1300	25000	4000K	95	Dimmable

Energy Saving Solution

Estimated lighting costs using a standard 90W PAR38 Halogen lamp			
Present Wattage	50	W	
× Annual operating hours	4,000	hrs	
	=	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	
	=	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[◇]		\$1,892.00	
◇ Based on 100 lamps per space operating at 4,000 hours per year			

- 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).
- Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
- Dimmable when using leading and trailing edge dimmers. (See <http://www.philips.com/ledtechguide> for compatible dimmers.)

■ This lamp is ENERGY STAR[®] Certified.

Footnotes from front:

* 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. See http://www.energystar.gov/index.cfm?fuseaction=products_for_partners.showLightbulbs for further details.

** 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).

† For details, please visit <http://www.usa.lighting.philips.com/support/support/warranty>

‡ Light output comparison based upon the ENERGY STAR[®] Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at [EnergyStar.gov/LEDbulbs](http://www.energystar.gov/LEDbulbs), LED Light Bulbs for Partners, Program Requirements PDF Pg. 11.

○ MR16 2700K and 4000K lamps available June 2017.

● MR16 3000K lamps available August 2017.

◇ All PAR lamps available May 2017.

◆ PAR 3000K lamps available April 2017.

Philips LED ExpertColor 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.)
47013-8	47013-0	70130-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47014-6	47014-0	70147-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47015-3	47015-0	70154-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47016-1	47016-0	70161-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47017-9	47017-0	70178-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47018-7	47018-0	70185-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47019-5	47019-0	70192-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47020-3	47020-0	70208-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47021-1	47021-0	70215-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47022-9	47022-0	70222-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47023-7	47023-0	70239-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47024-5	47024-0	70246-5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47082-3	47082-0	70826-5	6	1.598	0.606	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
47083-1	47083-0	70833-5	6	1.598	0.606	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
47084-9	47084-0	70840-5	6	1.598	0.606	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
47086-4	47086-0	70864-5	6	1.598	0.606	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
47089-8	47089-0	70895-5	6	1.598	0.606	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
47090-6	47090-0	70901-5	6	1.598	0.606	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
47091-4	47091-0	70918-5	6	1.598	0.606	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
47092-2	47092-0	70925-5	6	1.598	0.606	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
47095-4	47095-0	70956-5	6	1.598	0.606	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
47096-2	47096-0	70963-5	6	1.598	0.606	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
47087-2	47087-0	70871-5	6	1.598	0.606	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
47088-0	47088-0	70888-5	6	1.598	0.606	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
47093-0	47093-0	70932-5	6	1.598	0.606	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
47094-8	47094-0	70949-5	6	1.598	0.606	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
47097-0	47097-0	70970-5	6	1.598	0.606	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
47098-8	47098-0	70987-5	6	1.598	0.606	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
47099-6	47099-0	70994-5	6	1.598	0.606	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
47100-3	47100-0	71007-5	6	1.598	0.606	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
47101-1	47101-0	71014-5	6	1.598	0.606	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
47106-0	47106-0	71069-5	6	0.895	0.288	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
47107-8	47107-0	71076-5	6	0.895	0.288	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
47108-6	47108-0	71083-5	6	0.895	0.288	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
47023-7	47023-0	70239-5	10	0.895	0.288	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
47024-5	47024-0	70246-5	10	0.895	0.288	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
47105-2	47105-0	71052-5	6	1.012	0.339	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
47102-9	47102-0	71021-5	6	1.598	0.606	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
47109-4	47109-0	71090-5	6	0.895	0.288	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
47178-9	47178-0	71786-5	6	1.598	0.606	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
47179-7	47179-0	71793-5	6	1.598	0.606	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



Innovative, trimless design with V-groove lens

The V-Groove lense design **creates an integrated look**, combining high quality light with minimal design to suit every hospitality application.

Philips LED ExpertColor lamps

WARNINGS AND CAUTIONS

- Suitable for use in wet locations
- Not for use in totally enclosed luminaires
- 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.



© 2017 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.



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