

PHILIPS

LED

AR 111 Family



reddot award 2017
winner

Beautiful light in the perfect package

The Philips LED AR111 delivers the high quality light in a perfect-fit size while providing incredible energy savings. The lamp is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers, and the no UV or IR in the beam makes it suitable for illuminating heat-sensitive objects such as food, organic materials, paintings, etc.

Benefits

- Saves 80% energy when compared to a 75W halogen AR111†
- Long life lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- Contains no mercury

Features

- Excellent compatibility with most traditional halogen transformers
- “Perfect fit” mechanical design to fit traditional AR111 fixtures, lenses, and beam shaping accessories
- Anti-glare optical bridge to increase visual comfort
- Best-in-class flux, intensity and beam quality

† Light output comparison based upon the ENERGY STAR® Integral

AR111 Philips LED Lamp

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

Product Number	Model Number	Order Code	Nom. Watts	Equiv. Watts	Volts	Lamp Type	Base	LED Lifetime ¹ (hrs.)	Lumens ²	MBCP ³ (Cd)	Color Temp (K)	CRI	Dim ⁴
463778	9290012439	12AR111/LED/927/S8 DIM 12V 6/1	12w	50w	12V	AR111	GX53	40,000	600	7800	2700K	90	Dimmable
463786	9290012440	12AR111/LED/930/S8 DIM 12V 6/1	12w	50w	12V	AR111	GX53	40,000	610	8000	3000K	90	Dimmable
460147	9290011702	16AR111/F25 927	16w	75w	12V	AR111	GX53	40,000	740	3900	2700K	90	Dimmable
460154	9290011704	16AR111/F40 927	16w	75w	12V	AR111	GX53	40,000	740	1400	2700K	90	Dimmable
458554	9290011703	16AR111/LED/930/F25 DIM 12V 6/1	16w	75w	12V	AR111	GX53	40,000	780	1660	3000K	90	Dimmable
460139	9290011708	20AR111/LED/827/F25/DIM 12V 6/1	20w	100w	12V	AR111	GX53	25,000	1340	5800	2700K	80	Dimmable
458562	9290011706	20AR111/LED/830/S15 DIM 12V 6/1	20w	100w	12V	AR111	GX53	25,000	1280	8500	3000K	80	Dimmable
458570	9290011709	20AR111/LED/830/F25 DIM 12V 6/1	20w	100w	12V	AR111	GX53	25,000	1280	6600	3000K	80	Dimmable

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.)
46377-8	46377-9	46377-4	6	6.00	0.32	858	78	11	4.4 x 4.4 x 3.6	13.8 x 9.3 x 4.3	48.0 x 40.0 x 53.5
46378-6	46378-6	46378-1	6	6.00	0.32	858	78	11	4.4 x 4.4 x 3.6	13.8 x 9.3 x 4.3	48.0 x 40.0 x 53.5
46014-7	46014-3	46014-8	6	6.00	0.27	702	78	9	4.4 x 4.4 x 3.6	13.5 x 9.1 x 3.9	47.2 x 39.4 x 44.7
46015-4	46015-0	46015-5	6	6.00	0.27	702	78	9	4.4 x 4.4 x 3.6	13.5 x 9.1 x 3.9	47.2 x 39.4 x 44.7
45855-4	45855-3	45855-8	6	6.00	0.27	702	78	9	4.4 x 4.4 x 3.6	13.5 x 9.1 x 3.9	47.2 x 39.4 x 44.7
46013-9	46013-6	46013-1	6	6.00	0.27	702	78	9	4.4 x 4.4 x 3.6	13.5 x 9.1 x 3.9	47.2 x 39.4 x 44.7
45856-2	45856-0	45856-5	6	6.00	0.27	702	78	9	4.4 x 4.4 x 3.6	13.5 x 9.1 x 3.9	47.2 x 39.4 x 44.7
45857-0	45857-7	45857-2	6	6.00	0.27	702	78	9	4.4 x 4.4 x 3.6	13.5 x 9.1 x 3.9	47.2 x 39.4 x 44.7

Energy saving solution

Estimated Lighting Costs Using a Standard 75W AR111 Halogen Lamp

Present Wattage	75	W
x Annual Operating Hours	4,000	hrs
	= 300,000	watt-hours
÷1,000	= 300	kWh per year
x kWh rate of \$0.11	= \$33.00	per year
x 100 fixtures	= \$3,300	annual energy cost per space

Estimated Lighting Costs Using a Standard 15W AR111 Halogen Lamp

Present Wattage	15	W
x Annual Operating Hours	4,000	hrs
	= 6,000	watt-hours
÷1,000	= 300	kWh per year
x kWh rate of \$0.11	= \$6.60	per year
x 100 fixtures	= \$660.00	annual energy cost per space
Total estimated annual savings	\$660.00	

⚡Based on 100 lamps per space operating at 4,000 hours per year

WARNINGS AND CAUTIONS

- Suitable for use in damp 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 – do not use where directly exposed to water.

NOTES: This device complies with Part 15 of the FCC Rules. 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. This Class B digital apparatus complies with Canadian ICES-003.

Footnotes:

1. 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.
2. Based on average usage of 3 hrs/day, 7 days/week.
3. Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
4. Dimmable when using leading and trailing edge dimmers (See <http://www.philips.com/ledtechguide> for compatible dimmers).



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PLT-1593BN AR111 LED



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