

# Dimmable accent lighting with higher performance LED retrofits.

## PHILIPS MR16 DIMMABLE LED LAMPS

**Philips MR16 Dimmable LED Lamps** with smooth dimming provide ambient level light to illuminate hard to maintain applications.

### High efficacy dimmable LED accent light

- 10W MR16 saves 65 watts of energy when compared to a 75W halogen MR16\*
- 40,000-hour rated average life<sup>1</sup> for 7W MR16
- Provides quality white light and a crisp, uniform beam
- Optics engineered to eliminate multiple shadows
- Smooth dimming to 10% of full light levels<sup>†</sup>
- Emits virtually no UV/IR light in the beam
- Contains no mercury

### Easy to experience

- TransforMax™ technology enables operation on a broad range of transformers
- Lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- 3-year limited warranty<sup>‡</sup>

(\* , 1 , † , ‡. See back page for footnotes)



7W AirFlux



10W High Output



# PHILIPS

# PHILIPS MR16

## DIMMABLE LED LAMPS

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

Part No.	Model No.	Ordering Code	Nom. Watts	Equivalent Transformer Wattage*	Volts	Description	Rated Avg. Life (Hrs) <sup>1</sup>	Approx. Lumens	MBCP <sup>2</sup>	CRI	Color Temp. (K)	MOL (in.)
<b>Standard Halogen MR16 35W ENERGY STAR® Equivalent</b>												
43265-8	9290002627	7MR16/S15 2700 DIM AF	7	35	12	Dimming 7W 15° 2700K MR16	40,000	380	2650	80	2700	2.1
43266-6	9290002628	7MR16/S15 3000 DIM AF	7	35	12	Dimming 7W 15° 3000K MR16	40,000	420	2650	81	3000	2.1
43267-4	9290002629	7MR16/S15 4000 DIM AF	7	35	12	Dimming 7W 15° 4000K MR16	40,000	440	2750	83	4000	2.1
43259-1	9290002373	7MR16/F24 2700 DIM AF	7	35	12	Dimming 7W 24° 2700K MR16	40,000	420	1950	82	2700	2.1
43260-9	9290002374	7MR16/F24 3000 DIM AF	7	35	12	Dimming 7W 24° 3000K MR16	40,000	440	1950	82	3000	2.1
43261-7	9290002375	7MR16/F24 4000 DIM AF	7	35	12	Dimming 7W 24° 4000K MR16	40,000	470	2050	82	4000	2.1
43262-5	9290002376	7MR16/F36 2700 DIM AF	7	35	12	Dimming 7W 36° 2700K MR16	40,000	420	1050	82	2700	2.1
43263-3	9290002377	7MR16/F36 3000 DIM AF	7	35	12	Dimming 7W 36° 3000K MR16	40,000	440	1050	82	3000	2.1
43264-1	9290002378	7MR16/F36 4000 DIM AF	7	35	12	Dimming 7W 36° 4000K MR16	40,000	470	1100	82	4000	2.1
<b>Standard Halogen MR16 50W ENERGY STAR® Equivalent</b>												
43362-3	9290002630	7MR16/F24 2700 DIM AF HO	7	50	12	High Output Dimming 7W 24° 2700K MR16	40,000	500	2400	80	2700	2.1
43363-1	9290002631	7MR16/F24 3000 DIM AF HO	7	50	12	High Output Dimming 7W 24° 3000K MR16	40,000	510	2500	81	3000	2.1
43364-9	9290002633	7MR16/F36 2700 DIM AF HO	7	50	12	High Output Dimming 7W 36° 2700K MR16	40,000	500	1300	83	2700	2.1
43365-6	9290002634	7MR16/F36 3000 DIM AF HO	7	50	12	High Output Dimming 7W 36° 3000K MR16	40,000	510	1350	80	3000	2.1
<b>Standard Halogen MR16 75W ENERGY STAR® Equivalent</b>												
43239-3	9290002600	10MR16/F24 2700 DIM HO	10	75	12	Dimming 10W 24° 2700K MR16	30000	640	3120	80	2700	2.1
43240-1	9290002601	10MR16/F24 3000 DIM HO	10	75	12	Dimming 10W 24° 3000K MR16	30000	650	3360	80	3000	2.1
43241-9	9290002602	10MR16/F24 4000 DIM HO	10	75	12	Dimming 10W 24° 4000K MR16	30000	650	3700	80	4000	2.1
43242-7	9290002603	10MR16/F36 2700 DIM HO	10	75	12	Dimming 10W 36° 2700K MR16	30000	640	1880	80	2700	2.1
43243-5	9290002604	10MR16/F36 3000 DIM HO	10	75	12	Dimming 10W 36° 3000K MR16	30000	650	2030	80	3000	2.1
43244-3	9290002605	10MR16/F36 4000 DIM HO	10	75	12	Dimming 10W 36° 4000K MR16	30000	650	2260	80	4000	2.1

\* This wattage should be used to determine the maximum number of LED lamps for a given transformer, not the Nominal Watts

1. Rated average life is based on engineering data testing and probability analysis.
2. Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
3. All Philips LED MR16 equivalencies for light output are based upon the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: [www.EnergyStar.gov/LEDbulbs](http://www.EnergyStar.gov/LEDbulbs), LED Light bulbs for Partners, Program Requirements PDF, Pg 11.

Footnotes from front:

1. Rated average life is based on engineering data testing and probability analysis.
- † Dimmable when using leading edge dimmers (see Philips website: [www.philips.com/ledtechguide](http://www.philips.com/ledtechguide) for compatible leading edge dimmers).
- \* Light output of the 10W MR16 Dimmable LED Lamp compares to the 75W Halogen MR16 based upon the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: [EnergyStar.gov/LEDbulbs](http://EnergyStar.gov/LEDbulbs), LED Light Bulbs for Partners, Program Requirements PDF, Pg 11.
- ‡ For details see: [www.philips.com/warranties](http://www.philips.com/warranties).

# PHILIPS MR16

## DIMMABLE LED LAMPS

### Shipping Data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code	Case Qty.	Case Weight (lbs.)	Case Cube (cu. ft.)	Pallet Qty.	SKUs per Layer	Layers High	SKU Dimensions (W x D x H) (In.)	Case Dimensions (W x D x H) (In.)	Pallet Dimensions (W x D x H) (In.)
43259-1	432591	432596	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.76	4.5 x 10.6 x 3.5	39.4 x 47.2 x 41.1
43260-9	432607	432602	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.77	4.5 x 10.6 x 3.6	39.4 x 47.2 x 41.2
43261-7	432614	432619	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.78	4.5 x 10.6 x 3.7	39.4 x 47.2 x 41.3
43262-5	432621	432626	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.79	4.5 x 10.6 x 3.8	39.4 x 47.2 x 41.4
43263-3	432638	432633	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.80	4.5 x 10.6 x 3.9	39.4 x 47.2 x 41.5
43264-1	432645	432640	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.81	4.5 x 10.6 x 3.10	39.4 x 47.2 x 41.6
43265-8	432652	432657	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.82	4.5 x 10.6 x 3.11	39.4 x 47.2 x 41.7
43266-6	432669	432664	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.83	4.5 x 10.6 x 3.12	39.4 x 47.2 x 41.8
43267-4	432676	432671	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.84	4.5 x 10.6 x 3.13	39.4 x 47.2 x 41.9
43362-3	433628	433623	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.85	4.5 x 10.6 x 3.14	39.4 x 47.2 x 41.10
43363-1	433635	433630	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.86	4.5 x 10.6 x 3.15	39.4 x 47.2 x 41.11
43364-9	433642	433647	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.87	4.5 x 10.6 x 3.16	39.4 x 47.2 x 41.12
43365-6	433659	433654	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.88	4.5 x 10.6 x 3.17	39.4 x 47.2 x 41.13
43239-3	432393	432398	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.89	4.5 x 10.6 x 3.18	39.4 x 47.2 x 41.14
43240-1	432409	432404	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.90	4.5 x 10.6 x 3.19	39.4 x 47.2 x 41.15
43241-9	432416	432411	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.91	4.5 x 10.6 x 3.20	39.4 x 47.2 x 41.16
43242-7	432423	432428	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.92	4.5 x 10.6 x 3.21	39.4 x 47.2 x 41.17
43243-5	432430	432435	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.93	4.5 x 10.6 x 3.22	39.4 x 47.2 x 41.18
43244-3	432447	432442	10	1.3	0.098	3800	380	10	2.0 x 2.0 x 2.94	4.5 x 10.6 x 3.23	39.4 x 47.2 x 41.19

# PHILIPS MR16 DIMMABLE LED LAMPS

## Energy Saving Solution

### Estimated Lighting Costs Using a Standard 75W MR16 Halogen

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	= \$3,300.00 annual energy cost per space

### Estimated Lighting Costs Using a Philips 10W MR16 LED Lamp

Present Wattage	10 W
x Annual Operating Hours	4,000 hrs
	= 40,000 watt-hours
+1,000	= 40 kWh per year
x kWh rate of \$0.11	= \$4.40 per year
x 100 fixtures	= \$440.00 annual energy cost per space

**Total Estimated Annual Savings<sup>0</sup> = \$2,860.00**

<sup>0</sup> Based on 100 lamps per space operating at 4,000 hours per year.

This example shows an application of 100 lamps accenting a space, operating 4,000 hours per year at a cost of \$0.11 per kWh. Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 standard 75W MR16 halogen lamps with Philips 10W MR16 Dimmable LED Lamps can provide significant energy cost savings of \$2,860 per year! Potential savings from the reduction in HVAC costs as a result of using a low wattage lamp that emits less heat is an additional benefit not included in this example.

## Recommended Fixtures

Fixture Type	Brand	Desc	Model Number	Compatible Lamps	Link to fixture
Recessed Downlight	Lightolier	3 3/4" Low Voltage Frame Non-IC I20V	2000LV	1, 2, 3	<a href="http://www.lightingproducts.philips.com/our-brands/lightolier-usa/accent-adjustable/lytecaster-mr16.html#cnb=2000LV">http://www.lightingproducts.philips.com/our-brands/lightolier-usa/accent-adjustable/lytecaster-mr16.html#cnb=2000LV</a>
Track	Lightolier	Sof-Tech Low Voltage Open Ring MR16	6275BAL, 6275BBK, 6275BWH	1, 2, 3	
Landscape	Hadco	MR16 bullet	BL5016	1, 2	

\* Recommended fixtures have been tested with the subject lamp to ensure fit and lifetime in accordance with the lamp specifications.

- 1 All Standard Halogen MR16 35W ENERGY STAR<sup>®</sup> Equivalent
- 2 All Standard Halogen MR16 50W ENERGY STAR<sup>®</sup> Equivalent
- 3 All Standard Halogen MR16 75W ENERGY STAR<sup>®</sup> Equivalent

### WARNINGS AND CAUTIONS

- Suitable for use with Class 1 and Class 2 circuits
- 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 18 of the FCC rule. This product may cause interference with other devices. If interference occurs, change the location of the products involved. This RFLD device complies with Canadian ICES-005.



© 2014 Koninklijke Philips N.V.  
All rights reserved.  
Specifications are subject to change without notice.

P-6171-G 03/14

Philips Lighting  
North America Corporation  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 800-555-0050

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008