

Accent lighting

Philips LED MR16 Lamps with superior performance and enhanced transformer compatibility allow for operation in a wide range of applications and luminaires.

Features

- Emit virtually no UV/IR light in the beam
- Available in a wide range of options
- Bright white light with uniform beam distribution
- Smooth dimming to 10% of full light levels for dimmable versions*
- Contains no mercury
- 10W features active cooling technology.

Benefits

- Will not fade colors, avoids inventory spoilage
- Focus light where it's needed most
- Create contrast and depth
- Long rated average life—reduced maintenance cost
- Low energy use and waste—better for the environment
- Excellent heat management within luminaires due to LED technology

Applications

- Track and recessed luminaires
- Accent lighting in retail and hospitality spaces
- Difficult to reach and maintain applications

* Dimmable when using leading and trailing edge dimmers. See Philips Website (www.philips.com/ledtechguide) for compatible dimmers.





Accent with higher performance Philips LED MR16 Lamps

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



Product Number	Ordering Description	LED watts	Bulb	Base	Volts	Beam Angle	Rated Avg. Life ¹ hours	Approx. Lumens ²	Approx. MBCP ^{2,3}	CRI	Color Temp. kelvin	MOL inches	Key
Standard Halogen MR16 35W ENERGY STAR® Equivalent†													
45351-4	6.5MR16/F35 2700 DIM AF	6.5W	MR16	GU5.3	12VAC	35°	25,000	450	900	81	2700K	1.9	A
45350-6	6.5MR16/F35 3000 DIM AF	6.5W	MR16	GU5.3	12VAC	35°	25,000	460	960	81	3000K	1.9	A
Standard Halogen MR16 35W ENERGY STAR® Equivalent†													
43265-8	7MR16/S15 2700 DIM AF	7W	MR16	GU5.3	12VAC	15°	40,000	380	2650	80	2700K	2.1	B
43266-6	7MR16/S15 3000 DIM AF	7W	MR16	GU5.3	12VAC	15°	40,000	420	2650	81	3000K	2.1	B
43267-4	7MR16/S15 4000 DIM AF	7W	MR16	GU5.3	12VAC	15°	40,000	440	2750	83	4000K	2.1	B
43259-1	7MR16/F25 2700 DIM AF	7W	MR16	GU5.3	12VAC	25°	40,000	370	1950	80	2700K	2.1	B
43260-9	7MR16/F25 3000 DIM AF	7W	MR16	GU5.3	12VAC	25°	40,000	370	1950	80	3000K	2.1	B
43261-7	7MR16/F25 4000 DIM AF	7W	MR16	GU5.3	12VAC	25°	40,000	390	2050	80	4000K	2.1	B
43262-5	7MR16/F35 2700 DIM AF	7W	MR16	GU5.3	12VAC	35°	40,000	370	1050	80	2700K	2.1	B
43263-3	7MR16/F35 3000 DIM AF	7W	MR16	GU5.3	12VAC	35°	40,000	370	1050	80	3000K	2.1	B
43264-1	7MR16/F35 4000 DIM AF	7W	MR16	GU5.3	12VAC	35°	40,000	390	1100	80	4000K	2.1	B
Standard Halogen MR16 50W ENERGY STAR® Equivalent†													
43362-3	7MR16/F25 2700 DIM AF HO	7W	MR16	GU5.3	12VAC	25°	40,000	500	2400	82	2700K	2.1	B
43363-1	7MR16/F25 3000 DIM AF HO	7W	MR16	GU5.3	12VAC	25°	40,000	510	2500	82	3000K	2.1	B
43364-9	7MR16/F35 2700 DIM AF HO	7W	MR16	GU5.3	12VAC	35°	40,000	500	1300	82	2700K	2.1	B
43365-6	7MR16/F35 3000 DIM AF HO	7W	MR16	GU5.3	12VAC	35°	40,000	510	1350	82	3000K	2.1	B
Standard Halogen MR16 75W ENERGY STAR® Equivalent†													
43239-3	10MR16/F25 2700 DIM HO	10W	MR16	GU5.3	12VAC	25°	25,000	640	3120	80	2700K	2.1	C
43240-1	10MR16/F25 3000 DIM HO	10W	MR16	GU5.3	12VAC	25°	25,000	650	3360	80	3000K	2.1	C
43241-9	10MR16/F25 4000 DIM HO	10W	MR16	GU5.3	12VAC	25°	25,000	650	3700	80	4000K	2.1	C
43242-7	10MR16/F35 2700 DIM HO	10W	MR16	GU5.3	12VAC	35°	25,000	640	1880	80	2700K	2.1	C
43243-5	10MR16/F35 3000 DIM HO	10W	MR16	GU5.3	12VAC	35°	25,000	650	2030	80	3000K	2.1	C

1) Rated average life is based on engineering testing and probability analysis.

2) Based on photometric testing consistent with IES LM-79.

3) Maximum Beam Candle Power.

† All Philips LED PAR, BR, and 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, LED Light Bulbs for Partners, Program Requirements PDF, Page 11. A-shape and decorative candles are calculated on lumen values, not the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool.

This example shows an application of 100 lamps accenting a space currently using standard 75W MR16 halogen lamps, operating 4,000 hours per year at a cost of \$0.11 per kWh.^A Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 standard 75W MR16 halogen lamps with Philips 10W LED MR16 dimmable lamps can provide significant energy cost savings of \$2,860.00 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.

Saving Solution		
Estimated Lighting Costs Using a...	Standard 75W MR16 Halogen Lamp	Philips 10W LED MR16 Lamp
Present Wattage	75 Watts	10 Watts
x Annual Operating Hours	4,000 hours	4,000 hours
	= 300,000 watt-hours	= 40,000 watt-hours
+1,000 =	= 300 kWh per year	= 40 kWh per year
x kWh rate of \$0.11	= \$33.00 per year	= \$4.40 per year
x 100 lamps per space	= \$3,300.00 annual energy cost per space	= \$440.00 annual energy cost per space
	Total Estimated Annual Savings^B	= \$2,860.00

A) The 10W LED MR16 at 1,920 candela compared to the 50W halogen MR16 at 2,100 candela.

B) Based on 100 lamps per space operating at 4,000 hours per year.

Shipping Data (Subject to change without notice)

Product Number	SKU UPC	Outer Bar Code	Case Qty.	Case Weight	Case Cube	Pallet Qty.	Lamps/ SKU	SKU/ Layer	Layers High	SKU Dimensions	Case Dimensions	Pallet Dimensions
	(0-46677)	(5-00-46677)		lbs.	cu. ft.					(w x d x h) inches	(w x d x h) inches	(w x d x h) inches
45251-4	453510	453515	10	0.61	0.104	6110	1	470	13	1.77 x 1.77 x 2.17	9.3 x 4.0 x 2.8	47.2 x 39.4 x 42.6
45350-6	453503	453508	10	0.61	0.104	6110	1	470	13	1.77 x 1.77 x 2.17	9.3 x 4.0 x 2.8	47.2 x 39.4 x 42.6
Standard Halogen MR16 35W ENERGY STAR® Equivalent†												
43265-8	43265-2	43265-7	10	1.3	0.098	3800	1	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
43266-6	43266-9	43266-4	10	1.3	0.098	3800	1	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
43267-4	43267-6	43267-1	10	1.3	0.098	3800	1	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
43259-1	43259-1	43259-6	10	1.3	0.098	3800	1	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	43260-7	43260-2	10	1.3	0.098	3800	1	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
43261-7	43261-4	43261-9	10	1.3	0.098	3800	1	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
43262-5	43262-1	43262-6	10	1.3	0.098	3800	1	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
43263-3	43263-8	43263-3	10	1.3	0.098	3800	1	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
43264-1	43264-5	43264-0	10	1.3	0.098	3800	1	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
Standard Halogen MR16 50W ENERGY STAR® Equivalent†												
43362-3	43362-8	43362-3	10	1.3	0.098	3800	1	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
43363-1	43363-5	43363-0	10	1.3	0.098	3800	1	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
43364-9	43364-2	43364-7	10	1.3	0.098	3800	1	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
43365-6	43365-9	43365-4	10	1.3	0.098	3800	1	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
Standard Halogen MR16 75W ENERGY STAR® Equivalent†												
43239-3	43239-3	43239-8	10	1.3	0.098	3800	1	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
43240-1	43240-9	43240-4	10	1.3	0.098	3800	1	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
43241-9	43241-6	43241-1	10	1.3	0.098	3800	1	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
43242-7	43242-3	43242-8	10	1.3	0.098	3800	1	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
43243-5	43243-0	43243-5	10	1.3	0.098	3800	1	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
43244-3	43244-7	43244-2	10	1.3	0.098	3800	1	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

See bottom of page 38 for Warnings, Cautions and Instructions.