

Philips MR16 Dimmable
LED Lamps

*Suited for accent and
ambient lighting in retail
and hospitality spaces*

LED



Dimmable accent lighting with higher performance LED retrofits

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 30 watts of energy when compared to a 40W halogen MR16*
- 40,000-hour rated average life[†] for 7W MR16
- Provides quality white light and a crisp, uniform beam
- Smooth dimming to 10% of full light levels[†]
- Active cooling technology to disperse heat
- Emits virtually no UV/IR light in the beam
- Contains no mercury

Easy to experience

- Increased transformer compatibility 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 and 5-year limited warranty period depending upon operating hours

(†,*) See back page for footnotes

PHILIPS

sense and simplicity

Philips MR16 Dimmable LED Lamps

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

Product Number	Ordering Code	Model Number	Nom. Watts	Volts	Description	Bulb Type	Base	Rated Avg. Life (Hrs.) ¹	Approx. Lumens ²	Approx. MBCP ²	CRI	Color Temp. (Kelvin)	MOL (In.)
Standard Halogen MR16 25W ENERGY STAR[®] Equivalent³													
● 41465-6	7MR16/END/S15 2700	7GM6DBAAIAA	7	12V AC	7W MR16 15°	MR16	GU5.3	40,000	325	2580	80	2700	2.1
● 41466-4	7MR16/END/S15 3000	7GM6DBAAIBA	7	12V AC	7W MR16 15°	MR16	GU5.3	40,000	345	2680	80	3000	2.1
Standard Halogen MR16 30W ENERGY STAR[®] Equivalent³													
41468-0	7MR16/END/F24 2700	7GM6DBAAEAA	7	12V AC	7W MR16 24°	MR16	GU5.3	40,000	360	1450	82	2700	2.1
41469-8	7MR16/END/F24 3000	7GM6DBAAEBA	7	12V AC	7W MR16 24°	MR16	GU5.3	40,000	380	1520	82	3000	2.1
● 41470-6	7MR16/END/F24 4000	7GM6DBAAEDA	7	12V AC	7W MR16 24°	MR16	GU5.3	40,000	350	1580	85	4000	2.1
41471-4	7MR16/END/F36 2700	7GM6DBAAAAA	7	12V AC	7W MR16 36°	MR16	GU5.3	40,000	335	820	82	2700	2.1
41472-2	7MR16/END/F36 3000	7GM6DBAAABA	7	12V AC	7W MR16 36°	MR16	GU5.3	40,000	360	900	82	3000	2.1
● 41473-0	7MR16/END/F36 4000	7GM6DBAAADA	7	12V AC	7W MR16 36°	MR16	GU5.3	40,000	325	860	84	4000	2.1
Standard Halogen MR16 40W ENERGY STAR[®] Equivalent³													
● 41474-8	10MR16/END/S15 2700	10GM6DBAAIAA	10	12V AC	10W MR16 15°	MR16	GU5.3	25,000	405	3320	80	2700	2.1
● 41475-5	10MR16/END/S15 3000	10GM6DBAAIBA	10	12V AC	10W MR16 15°	MR16	GU5.3	25,000	435	3560	80	3000	2.1
■ 42016-6	10MR16/END/F24 2700	9290002193	10	12V AC	10W MR16 24°	MR16	GU5.3	25,000	480	1920	83	2700	1.9
■ 42017-4	10MR16/END/F24 3000	9290002194	10	12V AC	10W MR16 24°	MR16	GU5.3	25,000	495	1980	82	3000	1.9
● 41479-7	10MR16/END/F24 4000	10GM6DBAAEDA	10	12V AC	10W MR16 24°	MR16	GU5.3	25,000	440	2060	84	4000	2.1
■ 42018-2	10MR16/END/F35 2700	9290002195	10	12V AC	10W MR16 35°	MR16	GU5.3	25,000	470	1260	83	2700	1.9
■ 42019-0	10MR16/END/F35 3000	9290002196	10	12V AC	10W MR16 35°	MR16	GU5.3	25,000	485	1300	82	3000	1.9
● 41482-1	10MR16/END/F36 4000	10GM6DBAAADA	10	12V AC	10W MR16 36°	MR16	GU5.3	25,000	410	1020	84	4000	2.1

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 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.)
41465-6	41465-8	41465-3	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
41466-4	41466-5	41466-0	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
41468-0	41468-9	41468-4	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
41469-8	41469-6	41469-1	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
41470-6	41470-2	41470-7	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
41471-4	41471-9	41471-4	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
41472-2	41472-6	41472-1	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
41473-0	41473-3	41473-8	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
41474-8	41474-0	41474-5	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
41475-5	41475-7	41475-2	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
42016-6	42016-1	42016-6	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
42017-4	42017-8	42017-3	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
41479-7	41479-5	41479-0	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
42018-2	42018-5	42018-0	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
42019-0	42019-2	42019-7	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
41482-1	41482-5	41482-0	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

- 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 BR 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, Pg 11.
- Make to order lamps
 - This lamp is ENERGY STAR[®] Qualified.

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 for compatible leading edge dimmers).
 ** Light output of the 10W MR16 Dimmable LED Lamp compares to the 40W Halogen MR16 based upon the Energy Star Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at: EnergyStar.gov/LEDbulbs, LED Light Bulbs for Partners, Program Requirements PDF, Pg 11.

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.



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Energy Efficiency

Estimated Lighting Costs Using a Standard 40W MR16 Halogen			
Present Wattage		40	W
x Annual Operating Hours		3,000	hrs
	=	120,000	watt-hours
÷ 1,000	=	120	kWh per year
x kWh rate of \$0.11	=	13.20	per year
x 100 lamps per space	=	\$1,320.00	annual energy cost per space

Estimated Lighting Costs Using a Philips 10W MR16 LED Lamp			
Present Wattage		10	W
x Annual Operating Hours		3,000	hrs
	=	30,000	watt-hours
÷ 1,000	=	30	kWh per year
x kWh rate of \$0.11	=	\$3.30	per year
x 100 lamps per space	=	\$330	annual energy cost per space

Total Estimated Annual Savings[∅]	=	\$990.00	
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[∅] Based on 100 lamps per space operating at 3,000 hours per year.

This example shows an application of 100 lamps accenting a space, operating 3,000 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 40W MR16 halogen lamps with Philips 10W MR16 Dimmable LED Lamps can provide significant energy cost savings of \$990.00 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.

[†] Light output of the 10W MR16 Dimmable LED Lamp at 1020 candela compares to a 40W standard halogen MR16 at 1004 candela.