

Philips MR16 LED Lamps

Suited for accent and ambient lighting in retail and hospitality spaces

LED



Accent with higher performance LED retrofits

Philips MR16 LED Lamps provide ambient level light to illuminate hard to maintain applications.

High efficacy LED accent downlight

- 5.5W MR16 saves 14.5 watts of energy when compared to a 20W halogen MR16*
- 45,000-hour for rated average life¹ 4W MR16 LED
- Delivers quality white light and a crisp, uniform beam
- Instant-on light
- Contains no mercury
- Emits virtually no UV/IR light in the beam

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

(1,* See back page for footnotes)

PHILIPS

Philips MR16 LED Lamps

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

Product Number	Ordering Code	Model Number	Nom. Watts	Volts	Lamps per SKU	Description	Bulb Type	Base	Rated Avg. Life (Hrs.) ¹	Approx. Lumens ²	Approx. MBCP ²	CRI	Color Temp. (Kelvin)	MOL (In.)
Standard Halogen MR16 10W ENERGY STAR [®] Equivalent ³														
40828-6	4MR16/END/4000	4GU5.3MR16-1	4	12	1	4W MR16 LED 24°	MR16	GU5.3	45,000	180	720	82	4000	1.8
Standard Halogen MR16 20W ENERGY STAR [®] Equivalent ³														
42039-8	5MR16/END/F24 2700	9290002052	5.5	12	1	5.5W MR16 LED 24°	MR16	GU5.3	25,000	290	1200	85	2700	1.9
42038-0	5MR16/END/F24 3000	9290002091	5.5	12	1	5.5W MR16 LED 24°	MR16	GU5.3	25,000	300	1250	82	3000	1.9

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.)
40828-6	40828-2	40828-7	10	1.2	0.166	3360	280	12	1.8 x 1.8 x 2.2	5.5 x 10.8 x 2.9	38.5 x 43.0 x 34.5
42039-8	42039-0	42039-5	10	1.6	0.098	3800	380	10	2.0 x 2.0 x 2.7	10.6 x 4.4 x 3.5	47.2 x 39.4 x 41.1
42038-0	42038-3	42038-8	10	1.6	0.098	3800	380	10	2.0 x 2.0 x 2.7	10.6 x 4.4 x 3.5	47.2 x 39.4 x 41.1

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

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

3) This lamp is ENERGY STAR[®] Qualified.

● Make to order lamps

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.

Footnotes from front:

* Light output of the 5.5W MR16 LED at 1200 candela compares to the 20W halogen MR16 at 936 candela.

Energy Efficiency

Estimated Lighting Costs Using a Standard 20W MR16 Halogen		
Present Wattage		20 W
x Annual Operating Hours		3,000 hrs
	=	60,000 watt-hours
÷ 1,000	=	60 kWh per year
x kWh rate of \$0.11	=	\$6.60 per year
x 100 lamps per space	=	\$660 annual energy cost per space
Estimated Lighting Costs Using a Philips 5.5W MR16 LED Lamp		
Present Wattage		5.5 W
x Annual Operating Hours		3,000 hrs
	=	16,500 watt-hours
÷ 1,000	=	16.5 kWh per year
x kWh rate of \$0.11	=	\$1.81 per year
x 100 lamps per space	=	\$181.50 annual energy cost per space
Total Estimated Annual Savings[†]	=	\$478.50

† Based on 100 lamps per space operating at 3,000 hours per year.

WARNINGS AND CAUTIONS

- Suitable for use with Class 1 and Class 2 circuits
- Suitable for use in damp locations.
- Not for use with dimmers.
- 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.



© 2012 Philips Lighting Company, A Division of Philips Electronics North America Corporation. All rights reserved. Printed in USA 7/12 P-6090-F

www.philips.com

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
1-800-555-0050

Philips Lighting
281 Hillmount Road
Markham, Ontario
Canada L6C 2S3
1-800-555-0050
A Division of Philips Electronics Ltd.

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 20W MR16 halogen lamps with Philips 5.5W MR16 LED lamps can provide significant energy cost savings of \$478.50 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 5.5W MR16 LED at 1200 candela compares to the 20W halogen MR16 at 936 candela.