

Philips EnduraLED™
MR16 Spot and Flood
LED Lamps

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

EnduraLED™



Accent with higher performance LED retrofits

Philips EnduraLED™ MR16 Spot and Flood LED Lamps provide ambient level light to illuminate hard to maintain applications. Increased transformer compatibility allows for operation on a wider range of transformers.

High efficacy LED accent downlight

- Improved transformer compatibility
- 7W MR16 features active cooling technology to disperse heat
- Instant-on light
- Emits virtually no UV/IR light in the beam
- 45,000 hour rated average life^{1,2} (16,000 hours for GU10 based lamp)
- Delivers quality white light and a crisp, uniform beam
- 4W MR16 Saves 16 watts of energy when compared to a 20W halogen MR16*
- Contains no mercury

Easy to experience

- Lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- 3-year warranty period

(1,2,* See back page for footnotes)

PHILIPS

sense and simplicity

Philips EnduraLED™ MR16 Spot and Flood LED Lamps

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

Product Number	Ordering Code	Nom. Watts	Volts	Lamps per SKU	Description	Bulb Type	Base	Rated Avg. Life (Hrs.) ^{1,2}	Approx. Lumens ³	Approx. MBCP ^{3,4}	CRI	Color Temp. (Kelvin)	MOL (In.)
40875-7	4MR16/END/2700 12V 10/1	4	12	1	12V 4W EnduraLED MR16 24D	MR16	GU5.3	45,000	160	700	82	2700	1.8
40827-8	4MR16/END/3000 12V 10/1	4	12	1	12V 4W EnduraLED MR16 24D	MR16	GU5.3	45,000	160	720	82	3000	1.8
40828-6	4MR16/END/4000 12V 10/1	4	12	1	12V 4W EnduraLED MR16 24D	MR16	GU5.3	45,000	180	720	82	4000	1.8
40876-5	7MR16/END/2700 12V 10/1	7	12	1	12V 7W EnduraLED MR16 24D	MR16	GU5.3	25,000	260	1100	83	2700	2.1
40877-3	7MR16/END/3000 12V 10/1	7	12	1	12V 7W EnduraLED MR16 24D	MR16	GU5.3	25,000	275	1150	85	3000	2.1
40878-1	7MR16/END/4000 12V 10/1	7	12	1	12V 7W EnduraLED MR16 24D	MR16	GU5.3	25,000	305	1300	83	4000	2.1
40673-6	4GU10/END/3000 120V 10/1	4	120	1	120V 4W EnduraLED MR16 GU10 25D	MR16	GU10	16,000	85	480	80	3000	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.)
40875-7	40875-6	40875-1	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
40827-8	40827-5	40827-0	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
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
40876-5	40876-3	40876-8	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
40877-3	40877-0	40877-5	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
40878-1	40878-7	40878-2	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
40673-6	40673-8	40673-3	10	1.1	0.120	2730	210	13	2.0 x 2.0 x 2.2	6.0 x 11.9 x 2.9	36.0 x 41.9 x 37.4

- 1) Rated average life is the length of operation (in hours) at which point an average of 50% of the lamps will still be operational and 50% will not.
- 2) Rated average life based on engineering testing and probability analysis.
- 3) Photometric testing consistent with IES LM-79.

- 4) Maximum Beam Candlepower.
* 4W EnduraLED MR16 compared to a 20W halogen MR16. Light output of the 4W EnduraLED MR16 at 130 lumens and 550 candela compares to the 20W Halogen MR16 at 240 lumens and 550 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	watts per year

+ 1,000	=	60	kWh per year
x kWh rate of \$0.10	=	\$6	per year
x 100 lamps per space	=	\$600	annual energy cost per space

Estimated Lighting Costs Using a Philips 4W EnduraLED MR16 Lamp		
Present Wattage	4	W
x Annual Operating Hours	3,000	hrs
=	12,000	watts per year

+ 1,000	=	12	kWh per year
x kWh rate of \$0.10	=	\$1	per year
x 100 lamps per space	=	\$120	annual energy cost per space

Total Estimated Annual Savings[◇]	=	\$480
---	----------	--------------

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

WARNINGS AND CAUTIONS

- Use 12V MR16 with Class 2 circuits only.
- Suitable for use in open luminaires (fixtures).
- Do not use in outdoor fixtures.
- Do not use in enclosed fixtures.
- Not for use with dimmers.
- Do not use with emergency exit fixtures or with emergency lighting.
- Turn off power before changing lamp.

- Not compatible with some electronic transformers. Test lamps before installation.

CAUTION: Risk of electric shock. Use in dry location only.

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.



© 2010 Philips Lighting Company. All rights reserved.
Printed in USA 4/10
P-6090
www.philips.com

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
1-800-555-0050
A Division of Philips Electronics North America Corporation

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 \$0.10 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 4W EnduraLED MR16 lamps can provide significant energy cost savings of \$480 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 4W EnduraLED MR16 at 130 lumens and 550 candela compares to the 20W Halogen MR16 at 240 lumens and 550 candela.