

Philips EnduraLED  
MR16 LED Lamps

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

EnduraLED



## Accent with higher performance LED retrofits

**Philips EnduraLED MR16 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 for the 4W<sup>1</sup>
- Delivers quality white light and a crisp, uniform beam
- 7W MR16 saves 13 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 limited warranty

(1.\* See back page for footnotes)

**PHILIPS**

sense and simplicity

# Philips EnduraLED MR16 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.) <sup>1</sup>	Approx. Lumens <sup>2</sup>	Approx. MBCP <sup>2,3</sup>	CRI	Color Temp. (Kelvin)	MOL (In.)
40875-7	4MR16/END/2700 12V 10/1	4	12	1	12V 4W EnduraLED MR16 24°	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 24°	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 24°	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 24°	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 24°	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 24°	MR16	GU5.3	25,000	305	1300	83	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.)
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

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

2) Photometric testing consistent with IES LM-79.

3) Maximum Beam Candlepower.

\* Light output of the 7W EnduraLED MR16 at 260 lumens compares to the 20W Halogen MR16 at 240 lumens.

■ This lamp is ENERGY STAR® Qualified.

## 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 7W EnduraLED MR16 Lamp			
Present Wattage		7	W
x Annual Operating Hours		3,000	hrs
	=	21,000	watts per year
÷ 1,000	=	21	kWh per year
x kWh rate of \$0.10	=	\$2.10	per year
x 100 lamps per space	=	\$210	annual energy cost per space
<b>Total Estimated Annual Savings<sup>◇</sup></b>	<b>=</b>	<b>\$390</b>	

◇ 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.

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.<sup>†</sup> Your actual savings may vary depending on the energy costs in your geographic location.

Replacing 100 standard 20W MR16 halogen lamps with Philips 7W EnduraLED MR16 lamps can provide significant energy cost savings of \$390 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.

<sup>†</sup> Light output of the 7W EnduraLED MR16 at 260 lumens compares to the 20W Halogen MR16 at 240 lumens.



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