

Philips EnduraLED™
MR16 LED Lamps

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

EnduraLED™



Accent with energy saving, long life LED light

Philips EnduraLED™ MR16 lamps provide ambient level light with only 4 watts of power. The lamps are ideal for track and open recessed fixtures in rooms, hallways, lobbies, and retail displays.

High efficacy LED accent downlight

- Instant-on light
- Emits virtually no UV/IR light in the beam
- Lasts 45,000 hours rated average life^{1,2}
(16,000 hours for GU10 based lamp)
- Delivers quality white light and a perfect beam quality, available in 10° and 25° beam spreads
- Saves 16 watts of energy when compared to a 20W halogen MR16*
- Color temperature spread ± 145K
- 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 footnote.)

* 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.

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.) ^{1,2,3}	Approx. Lumens ⁴	Approx. MBCP ^{4,5}	CRI	Color Temp. (Kelvin)	MOL (In.)
22703-3	4MR16/ACC/SP10 WW 12V 10/1	4	12	1	AccentLED MR16 4W 10° 3100K Lamp	MR16	GU5.3	35,000	32	750	75	3100	1.8
22705-8	4MR16/ACC/SP10 CW 12V 10/1	4	12	1	AccentLED MR16 4W 10° 4800K Lamp	MR16	GU5.3	35,000	43	1050	65	4800	1.8
40672-8	4MR16/END/2700 12V 10/1	4	12	1	EnduraLED MR16 4W 25° 2700K Lamp	MR16	GU5.3	45,000	130	550	85	2700	1.8
40674-4	4MR16/END/3000 12V 10/1	4	12	1	EnduraLED MR16 4W 25° 3000K Lamp	MR16	GU5.3	45,000	130	550	80	3000	1.8
40675-1	4MR16/END/4200 12V 10/1	4	12	1	EnduraLED MR16 4W 25° 4200K Lamp	MR16	GU5.3	45,000	180	700	70	4200	1.8
40673-6	4GU10/END/3000 120V 10/1	4	120	1	EnduraLED GU10 4W 25° 3000K Lamp	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.)
22703-3	22703-6	22703-1	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
22705-8	22705-0	22705-5	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
40672-8	40672-1	40672-6	10	1.2	0.098	3360	280	12	1.8 x 1.5 x 2.2	5.5 x 10.8 x 2.9	38.5 x 43.0 x 34.5
40674-4	40674-5	40674-0	10	1.2	0.098	3360	280	12	1.8 x 1.5 x 2.2	5.5 x 10.8 x 2.9	38.5 x 43.0 x 34.5
40675-1	40675-2	40675-7	10	1.2	0.098	3360	280	12	1.8 x 1.5 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) Lifetime testing consistent with IES LM-80, Lumen Maintenance Procedure.

4) Photometric testing consistent with IES LM-79.

5) Maximum Beam Candlepower.

Energy Efficiency

Estimated Lighting Costs Using a Standard 20W MR16 Halogen	
Present Wattage	20 W
x Annual Operating Hours	3000 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	3000 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 Energy Costs*	= \$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.

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.** Energy costs may vary depending on geographic region.

As you can see using 100 Philips EnduraLED MR16 can light a space for only \$120 per year! This is a \$480 savings compared to a 20W MR16 halogen lamp. 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.



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Printed in USA 7/09
P-5992-A
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