



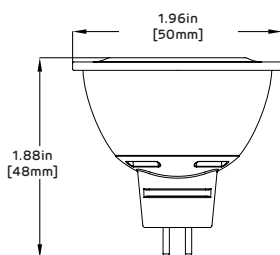
# MR16

## Benefits

- Only 6W/8W - Requires 70% less power than comparable 35 watt Halogen lamp.
- Maintenance free operation, lasts up to 11 times longer than halogen lighting.
- Optional 40° and 25° beam spreads.
- Available from 2700-5000K CCT.
- Dimmable, compatible with a wide array of AC and magnetic or electronic transformers.

## FEATURES<sup>1</sup>

<b>Equivalent Source</b>	Up to 35/50W
<b>Rated Life</b>	25,000 hours
<b>Housing</b>	Aluminum
<b>Socket</b>	GU 5.3 base
<b>Beam Spread</b>	40°, 25° Narrow Flood, Flood
<b>Operating Temperature</b>	-20°C to +40°C
<b>MOL</b>	1.97 in, 50.03mm
<b>Voltage</b>	12 VAC Only
<b>Power Factor</b>	≥.7
<b>Weight</b>	0.2lbs., 0.09 kg
<b>Warranty</b>	5 year limited







Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

<sup>1</sup> Values are nominal, advances from further innovation, specifications are subject to change.

Non-compatible transformers may cause stroboscopic effect due to minimum load requirements of the transformer. This is not a lamp defect. LSG advises to change the transformer.

## ORDERING INFORMATION \ LS 16 35WE WW NFL S1 BX

Family	Product	Watt Equivalent		Color (CCT)		Distribution		Family	Packaging	
LS Lighting Science	16 MR16	35WE	35W Equivalent	W27	Soft White 2700K	FL	Flood	S1	BX	Box
		50WE	50W Equivalent	WW	Warm White 3000K	NFL	Narrow Flood			
NORTH AMERICAN CERTIFICATIONS		ENVIRONMENT								
  										

# MR16

## TRANSFORMER CAPABILITIES<sup>1</sup>

### 35WE:

**Hatch:** RS12-15M-LED, RS12-30M-LED, RS12-80M, VS12-75W  
**WAC:** EN-1260-R-AR  
**ELCO:** ET526  
**PROGRESS:** P8560-31  
**PHILIPS:** LED120A0012V10F

### 50WE:

**Hatch:** RS12-15M-LED, RS12-30M-LED, RS12-80M,  
**WAC:** EN-1260-R-AR, EN-1275-R-AR  
**LIGHTTECH:** LVT-60  
**JUON:** R731BL  
**ELCO:** ET526  
**TRAN:** QT10  
**B+L Technologies:** FX95100

## MR16 ★

Part Number	Base Type	Wattage	Beam Angle	Lumens	Efficacy	CRI	CBCP
LS 16 35WE WW NFL S1 BX	5.3	6W	25	350	58	80	1601
LS 16 35WE WW FL S1 BX	5.3	6W	40	350	58	80	791
LS 16 35WE W27 NFL S1 BX	5.3	6W	25	330	55	80	1601
LS 16 35WE W27 FL S1 BX	5.3	6W	40	330	55	80	791
LS 16 50WE WW NFL S1 BX	5.3	8W	25	500	63	80	2323
LS 16 50WE WW FL S1 BX	5.3	8W	40	500	63	80	1147
LS 16 50WE W27 NFL S1 BX	5.3	8W	25	470	59	80	2323
LS 16 50WE W27 FL S1 BX	5.3	8W	40	470	59	80	1147

NFL: Narrow Flood NW: Neutral White WW: Warm White W27: Soft White 2700K CW: Cool White CBCP: Center Beam Candle Power

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<sup>1</sup> Values are nominal, advances from further innovation, specifications are subject to change.



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



## CAUTIONS

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS. NOT FOR USE IN TOTALLY ENCLOSED FIXTURES. CAUTION: RISK OF SHOCK-DO NOT USE WHERE DIRECTLY EXPOSED TO WATER, TURN OFF POWER BEFORE INSPECTION, INSTALLATION, OR REMOVAL. DO NOT OPEN – NO USER SERVICEABLE PARTS INSIDE. Only For 12VAC Operation. Suitable for damp locations. This device complies with part 15 of the FCC rules and has been tested and found to comply with the limits for a class B digital device. This Class B digital apparatus complies with Canadian ICES-003. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. Compatible with most low voltage transformers, for a complete list of compatible transformers see our website. Dimmer compatibility is determined by each transformer manufacturer. For complete details on our warranty and dimmer compatibility please visit [www.lsgc.com/warranties](http://www.lsgc.com/warranties) and [www.lsgc.com/dimmer](http://www.lsgc.com/dimmer).