

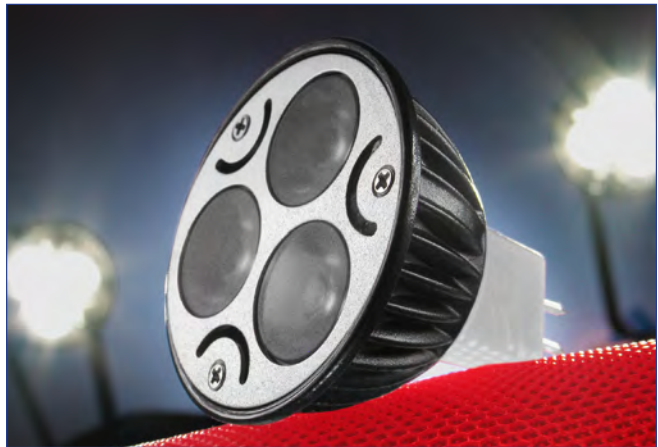


Direct Drop-In Replacement of 20-30-Watt Halogens — Consumes Less than 4 Watts – Up to 90% Power Savings

12V AC/DC — 15-35 Degree Beam Widths — 3000K-6000K White Colors — GX5.3 2-Pin Base

FEATURES

- **Lamp Warranty:** 3 Years
- **Very Low Power Consumption:** Less than 4 Watts
- **Replaces MR16 Halogen Bulbs** up to 20 Watts
- **Long Operating Life:** White LED Up to 50,000+ Hours
- **Easy Installation:** Using Existing MR16 GX5.3 2-pin Fixtures
- **Better Heat Dispersion:** Magnesium Alloy Body Stays Cooler than Other 5W MR16 Bulbs
- **Sturdy Construction:** UV Stabilized Plastic Lens, Magnesium Alloy Lamp Shell (Much Lighter and Harder than Aluminium)
- Designed for use with 12-VDC or AC Low-Frequency 50Hz or 60Hz Transformers
- **High CRI**
- **Wide Ambient Operating Temp. Range:** ~-22°F to ~+122°F [~-30°C to ~+50°C]
- **Eco-Friendly:** ROHS Compliant



White LED technology is patent protected in the United States. LEDtronic white LED products are covered under these patents.

BENEFITS

- **Major Energy Cost Savings:** Over 90% Compared to Incandescents
- **Environment-Friendly:** No Mercury, No Lead Content
- **No Hazardous Emissions:** No UV or IR Radiation
- **Constant Light Output:** Even Lighting, Non-Halation
- **Solid-State:** High-Shock & High-Vibration Resistant, Both Electrical and Mechanical

APPLICATIONS

- Track Lighting
- Accent / Spot Lighting
- Display / Cabinet / Kiosk Lighting
- Architectural Lighting
- Art Gallery and Museum



SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	MR16-3W-XxW-102x
Input Voltage	12V AC/DC [Tested @12VAC]
CRI	85
Ambient Humidity	90%
Operating Temp.	~-22°F to ~+122°F ~-30°C to ~+50°C
Safety Assurance	RoHS
Lamp Shell	Magnesium Alloy, Black
Dimensions	L1.97" x D 1.92" L51mm x D 49mm
Weight	1.16 oz / 33g

CAUTION High frequency electronic transformers designed for high-wattage halogen lamps may cause early failures in these MR16 LED lamps.

This lamp is intended for use in open luminaires (fixtures) ONLY.

NOTE For use with standard ON/OFF switches only, not with a dimmer. Use with any type of dimmer, relay or other current/voltage control circuit device will VOID WARRANTY.

PART NUMBER	MAXIMUM CANDELA	TOTAL LUMENS	ENERGY USED	INPUT CURRENT	EFFICACY	POWER FACTOR	EMITTED COLOR	COLOR TEMP	BEAM ANGLE
STANDARD-BEAM SPOTLIGHT									
MR16-3W-XIW-102S	699 cd	119 lm	3.7 W	389mA	32.0 lm/W	0.77	Warm White	2800K~3200K	15°-20°
MR16-3W-XCW-102S	985 cd	165 lm	4.0 W	425mA	41.2 lm/W	0.78	Cool White	6000K~6500K	15°-20°
MEDIUM-BEAM SPOTLIGHT									
MR16-3W-XIW-102M	298 cd	113 lm	3.6 W	389mA	31.3 lm/W	0.77	Warm White	2800K~3200K	30°-35°
MR16-3W-XCW-102M	442 cd	155 lm	3.9 W	418mA	39.7 lm/W	0.78	Cool White	6000K~6500K	30°-35°



MR16-3W-XIW-002M

Luminaire Photometric Report

Filename: MR16-3W-XIW-102M
 Manufacturer: LEDTRONICS -
 Luminaire: WITH LED LENS, 12VAC, 3.6W
 Luminaire Cat: MR16-3W-XIW-102M
 Lamp: LUMEN RATING: 112.7Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 112.7
 Max Candela: 298.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 12-24-09

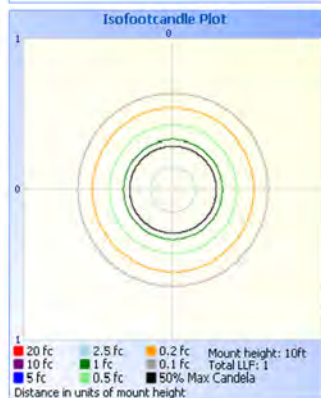
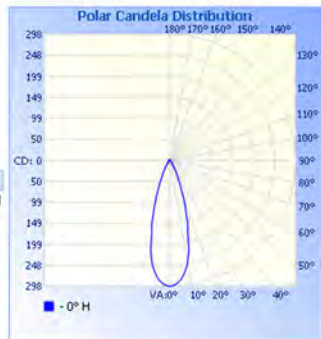
Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	81.8%	92.2	56.9	56.9
Beam (50%):	47.4%	53.4	32.2	32.2
Total:	100%	112.7		

Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	107.28 fc
3.3ft	26.82 fc
5.0ft	11.92 fc
6.7ft	6.71 fc
8.3ft	4.29 fc
10.0ft	2.98 fc

Beam Spread: 32.2°



MR16-6W-XIW-002S

Luminaire Photometric Report

Filename: MR16-3W-XIW-102S
 Manufacturer: LEDTRONICS -
 Luminaire: WITH LED LENS, 12VAC, 3.7W
 Luminaire Cat: MR16-3W-XIW-102S
 Lamp: LUMEN RATING: 118.7Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 118.7
 Max Candela: 699.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 12-24-09

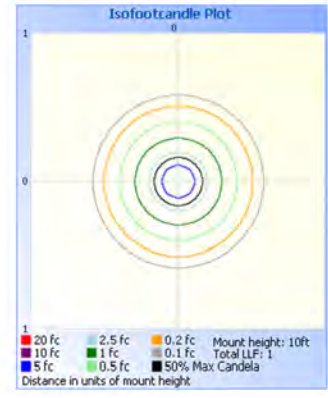
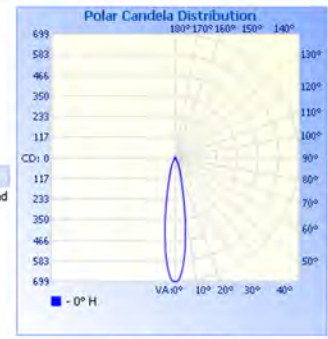
Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	74.6%	88.6	41.8	41.8
Beam (50%):	35.1%	41.6	18.6	18.6
Total:	100%	118.7		

Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	251.64 fc
3.3ft	62.91 fc
5.0ft	27.96 fc
6.7ft	15.73 fc
8.3ft	10.07 fc
10.0ft	6.99 fc

Beam Spread: 18.6°



MR16-3W-XCW-002M

Luminaire Photometric Report

Filename: MR16-3W-XCW-102M
 Manufacturer: LEDTRONICS -
 Luminaire: WITH LED LENS, 12VAC, 3.9W
 Luminaire Cat: MR16-3W-XCW-102M
 Lamp: LUMEN RATING: 154.8Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 154.8
 Max Candela: 442.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 12-24-09

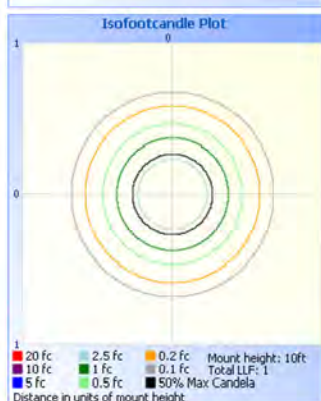
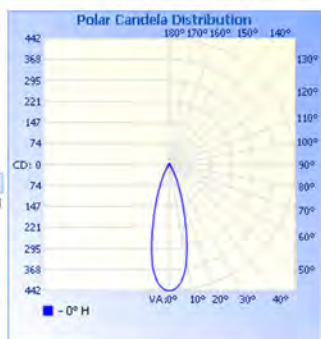
Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	82.3%	127.4	56.2	56.2
Beam (50%):	45.7%	70.7	30	30
Total:	100%	154.8		

Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	159.12 fc
3.3ft	39.78 fc
5.0ft	17.68 fc
6.7ft	9.95 fc
8.3ft	6.36 fc
10.0ft	4.42 fc

Beam Spread: 30.0°



MR16-3W-XCW-002S

Luminaire Photometric Report

Filename: MR16-3W-XCW-102S
 Manufacturer: LEDTRONICS -
 Luminaire: WITH LED LENS, 12VAC, 4W
 Luminaire Cat: MR16-3W-XCW-102S
 Lamp: LUMEN RATING: 164.9Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 164.9
 Max Candela: 985.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 12-24-09

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	73.6%	121.4	41.2	41.2
Beam (50%):	34.7%	57.3	18.1	18.1
Total:	100%	164.9		

Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	354.60 fc
3.3ft	88.65 fc
5.0ft	39.40 fc
6.7ft	22.16 fc
8.3ft	14.18 fc
10.0ft	9.85 fc

Beam Spread: 18.1°

