



Uses 0.9 Watt Energy – Up to 90% Energy Savings — Sunlight Visible

Ultra-Efficient Direct Halogen Replacement for 12VAC Applications — G3.9 Bi-Pin — 3000K or 5000K White

FEATURES

- **Lamp Warranty:** 3 Years
- **Very Low Power Consumption:** Less than 1 Watt
- **Solid-State:** High-Shock- & High-Vibration-Resistant; Fast Turn-On, No Power Surge
- **Long Lifespan:** White LED Lumen Maintenance Greater than 70% at 35,000 Hours of Operation (*Rated average life based on engineering testing and probability analysis*) / Compare to 1,000-3,000 Hours for Halogen Lamps
- **Even Lighting:** High Intensity / No Halation
- **Easy Installation** Using Existing 2-Pin G4 Socket



BENEFITS

- **Major Energy Savings:** Over 90% Compared to Incandescents
- **Eco-Friendly:** No Mercury Content, No Lead, Recyclable
- **No Hazardous Emissions:** No UV or IR Radiation – Does Not Attract Insects
- **Reduces Light Pollution:** No Wasted Light, “Dark Skies Initiative”-Friendly
- **Instant Light:** No Flicker or Delayed Startup Time
- **Major Reduction in Heat Generation:** Cool to the Touch – Reduced A/C Load
- Safe Low-Voltage Operation
- Low Maintenance / Extra Durable



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

APPLICATIONS

- Downlighting / Accent Lighting
- Display Cases
- Track Lighting
- Fiber-Optic Decorations
- Novelty Lamps
- Fountains
- Landscape Lighting



Ideal for Use with Alternate or Renewable Energy Resources – Solar & Wind Power

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	MR11-30-xxW-012AM
LEDs	30
Input Voltage	12VAC
Input Power	0.9 W
Base	G4 Bipin (4mm Pin Spacing)
Dimensions	DØ1.38xH1.36" [Ø35mmx34.5mm]



CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- **Other Colors** – Red, Orange, Yellow, Green, Blue
- **Other Voltages** – 12/14V, 24V, 28V, 120VAC, 240VAC
- **Other LED Beam Angles** for Different Effects
- Available in **Ultra-Violet LEDs** in 395nm or 405nm
- Available in **Infra-Red LEDs** in 730nm, 850nm, 880nm, 940nm

PART NUMBER _w	INPUT CURRENT	ENERGY USED	TOTAL LUMENS	MAX. CANDELA	EFFICACY	COLOR TEMP.	EMITTED COLOR	VIEWING ANGLE*
WARM WHITE								
MR11-30-SIW-012AM	83mA	0.9 W	41 lm	48 cd	45.9 lm/W	3200K	Warm White	46°
PURE WHITE								
MR11-30-TPW-012AM	80mA	0.9 W	48 lm	60 cd	53.2 lm/W	5000K	Pure White	44°

(*Full Beam Width @ 50% Intensity)



PHOTOMETRIC REPORTS

MR11-30-SIW-012AM

Luminaire Photometric Report

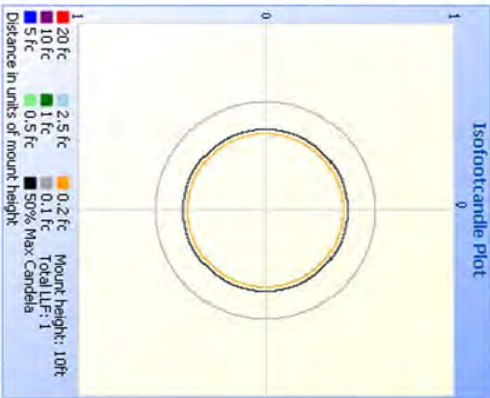
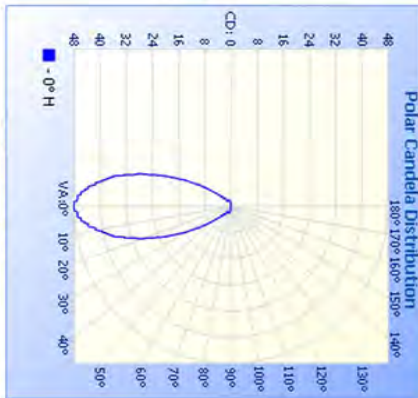
Filename: MR11-30-SIW-012AM
 Manufacturer: LEDTRONICS -
 Luminaire: WITH NO LENS, 12VAC, 9W
 Luminaire Cat: MR11-30-SIW-012AM
 Lamp: LUMEN RATING: 41.3lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 41.3
 Max Candela: 48.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 7-16-09

Flood Summary

Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	77.8%	32.1	87
Beam (50%):	42.6%	17.6	46.4
Total:	100%	41.3	46.4

Illuminance at a Distance

Center Beam Fc	Beam Width
1.7ft	17.28ft
3.3ft	4.32ft
5.0ft	1.92ft
6.7ft	1.08ft
8.3ft	0.69ft
10.0ft	0.48ft



MR11-30-TPW-012AM

Luminaire Photometric Report

Filename: MR11-30-TPW-012AM
 Manufacturer: LEDTRONICS -
 Luminaire: WITH NO LENS, 12VAC, 9W
 Luminaire Cat: MR11-30-TPW-012AM
 Lamp: LUMEN RATING: 47.9lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 47.9
 Max Candela: 60.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 7-21-09

Flood Summary

Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	78.9%	37.8	85
Beam (50%):	39.4%	18.9	43.8
Total:	100.1%	47.9	43.8

Illuminance at a Distance

Center Beam Fc	Beam Width
1.7ft	21.60ft
3.3ft	5.40ft
5.0ft	2.40ft
6.7ft	1.35ft
8.3ft	0.86ft
10.0ft	0.60ft

