



# LED High-Power 18W PAR38 Light Bulb

PAR38-12X2W-XIW-001

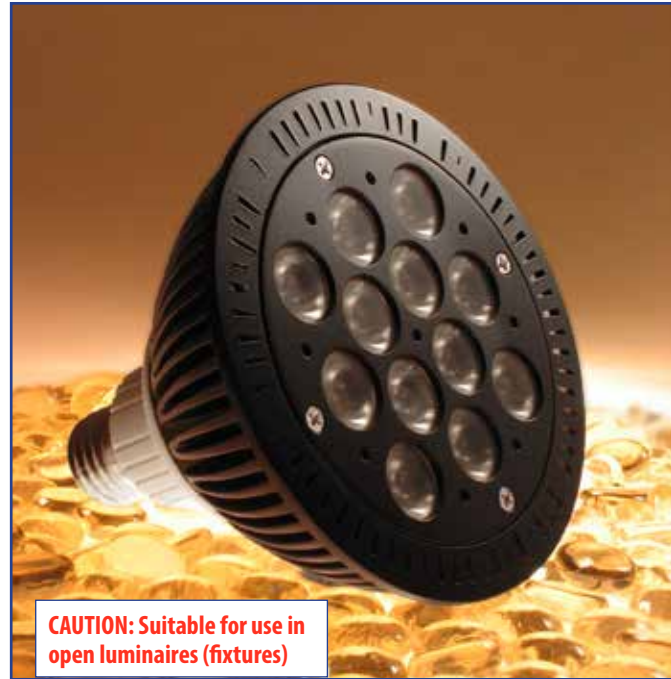


**3200K Warm White — Operates on 85 to 265VAC – Consumes Less than 18 Watts — 77-85% Power Savings**

**Direct Drop-In Halogen Replacement in PAR38 Fixtures — Replaces 90-Watt Halogen Lamps — E26 Base**

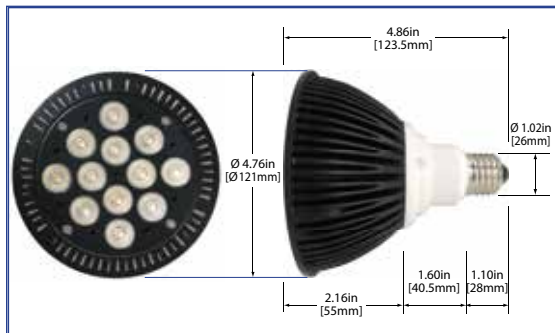
## FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Consumption:** Less than 18W
- **Choice of Beam Angle:** 15 to 40 Degrees
- **Long Operating Life:** White LED 50,000+ hrs (5.7+ years)
- **Solid Construction:** UV-Stabilized Plastic Lens, Magnesium Alloy Body
- **Easy Installation:** Designed as a Direct Retrofit into Most PAR38 Fixtures Using Existing 26mm Edison-Base Sockets
- **Replaces Halogen Bulbs** up to 90 Watts
- **Solid-State:** High-Shock & High-Vibration Resistant, Both Electrical and Mechanical
- **Highest-Grade LEDs:** Uses CREE XR-E that Meets LM-79/LM-80 Requirements
- **High CRI** of 85 Enhances All Colors
- **Ambient Operating Temp. Range:** ~-22°F to ~+122°F [~-30°C to ~+50°C]
- **Safety Assurance:** RoHS & CE Compliant



## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



## BENEFITS

- **Major Energy Cost Savings:** Over 85% Compared to Incandescents
- **Higher Efficacy:** LEDs Are 10 Times More Efficient than Incandescents
- **Eco-Friendly:** No Mercury, No Lead
- **Content**
- **No Hazardous Emissions:** No UV or IR Radiation
- **Constant Light Output:** Even Lighting, Non-Halation

## APPLICATIONS

- Track Lighting, Accent Lighting
- Floodlight/Security Light/Emergency Light
- General/Architectural and Landscape Lighting
- Display-Case Fixtures and Cabinet Lighting
- Signage and Back Lighting
- Aviation/Aerospace Lighting Systems
- Industrial OEM Equipment Lighting
- Bio-Medical and Medical Applications
- Museums/Theatrical Effects Lighting



<b>PART NO.</b>	PAR38-12X2W-XIW-001x
<b>Emitted Color</b>	Warm White
<b>Color Temperature</b>	3200K
<b>Color Rend. Index</b>	85
<b>Ambient Humidity</b>	90%
<b>Lamp Shell</b>	PMMA / Magnesium Alloy
<b>Input Voltage</b>	85-265VAC
<b>Dimensions</b>	L4.86" x D4.76" [123.5x121mm]
<b>Weight</b>	22.7 oz. / 643.5 g

Part Number	Energy Used	Input Current @120VAC	Efficacy	Total Lumens	Max Candela	Beam Angle
PAR38-12X2W-XIW-001M	16.6 typ, 18 max.	239mA	42.6 lm/w	707 lm	1,511 cd	35°-40°

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THE FUTURE OF LIGHT

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Check LEDTRONICS.COM for latest data. Printed material may be outdated.

**PAR38-12X2W-XIW-001M**

**Luminaire Photometric Report**

Filename: PAR38-12X2W-XIW-001M  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH LED LENS, 120VAC, 16.6W  
 Luminaire Cat: PAR38-12X2W-XIW-001M  
 Lamp: LUMEN RATING: 706.9Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 706.9  
 Max Candela: 1,511.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 3-3-09

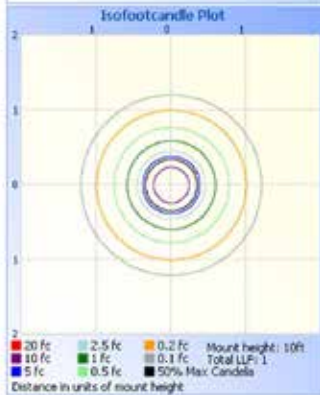
**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	79.5%	561.7	62.6	62.6
Beam (50%):	53.2%	376.0	38	38
Total:	100%	706.9		

**Illuminance at a Distance:**

Center Beam FC	Beam Width
1.7ft	543.96 fc
3.3ft	135.99 fc
5.0ft	60.44 fc
6.7ft	34.00 fc
8.3ft	21.76 fc
10.0ft	15.11 fc

Beam Spread: 36.0°



10 FEET

**PAR38-12X2W-XIW-001N**

**Luminaire Photometric Report**

Filename: PAR38-12X2W-XIW-001N  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH LED LENS, 120VAC, 15.3W  
 Luminaire Cat: PAR38-12X2W-XIW-001N  
 Lamp: LUMEN RATING: 579.7Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 579.7  
 Max Candela: 8,878.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 5-12-10

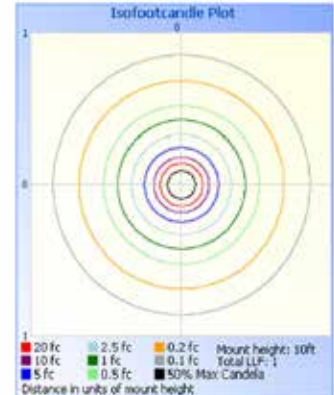
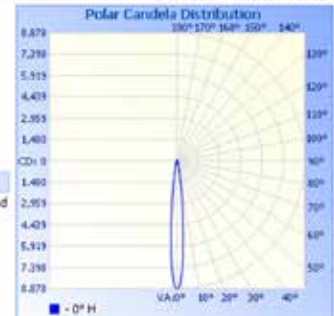
**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	62.2%	360.7	22.2	22.2
Beam (50%):	28.3%	164.1	10.7	10.7
Total:	100%	579.7		

**Illuminance at a Distance:**

Center Beam FC	Beam Width
1.7ft	3,196.08 fc
3.3ft	799.02 fc
5.0ft	355.12 fc
6.7ft	199.76 fc
8.3ft	127.04 fc
10.0ft	88.78 fc

Beam Spread: 10.7°



10 FEET

**PAR38-12X2W-XIW-001S**

**Luminaire Photometric Report**

Filename: PAR38-12X2W-XIW-001S  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH LED LENS, 120VAC, 17.4W  
 Luminaire Cat: PAR38-12X2W-XIW-001S  
 Lamp: LUMEN RATING: 799.9Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 799.9  
 Max Candela: 6,106.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 3-18-09

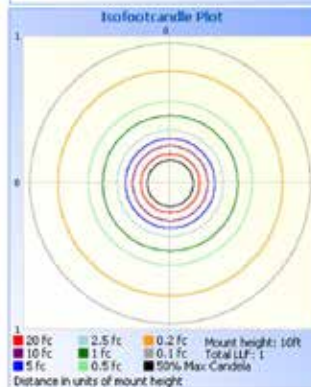
**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	76.8%	614.6	33.5	33.5
Beam (50%):	39.4%	315.0	17.8	17.8
Total:	100%	799.9		

**Illuminance at a Distance:**

Center Beam FC	Beam Width
1.7ft	2,198.16 fc
3.3ft	549.54 fc
5.0ft	244.24 fc
6.7ft	137.39 fc
8.3ft	87.93 fc
10.0ft	61.06 fc

Beam Spread: 17.8°



10 FEET

**NOTE**

These models are 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.