



# High-Power, Dimmable LED 18W PAR38 Flood Lamps

PAR38-7X3W-XxW-120AMD



**Direct Drop-In Replacement in PAR38 Fixtures – Replaces Halogen Lamps Up to 90W**

**Consumes Only 18 Watts – Up to 85% Power Savings — 120VAC — Medium Beam — E26 Base**

## FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Consumption:** Max. of 18 Watts
- **Medium Beam Angle:** 40-45+ Degrees
- **Long Operating Life:** White LED 50,000+ Hours (5.7+ Years). Rated Life to 70% of Initial Light Output
- **Easy Installation/ Drop-In:** Designed as a Direct Retrofit into Most PAR38 Fixtures Using Existing 26mm (or E27 European) Edison-Base Sockets
- **Dimmable** Using External Solid-State Dimmer
- **Highest-Grade LEDs:** Uses CREE XR-E, Meet LM-79/LM-80
- **Brightness** Equivalent to Halogen Bulbs up to 90 Watts
- **Enhanced Passive Cooling:** Reduces Junction Temperatures, Extending Life of the Lamp
- **Excellent Color Rendering:** High CRI of up to 86
- **Solid Construction:** UV-Stabilized Acrylic Plastic Lens, Aluminum Alloy Housing with Polyamide Sleeve
- **Safety Assurance:** RoHS & CE Compliant



## 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

## BENEFITS

- **Major Power Savings:** Up to 85% Compared to Filament Bulbs
- High-Shock and High-Vibration Resistant
- **Solid State:** Fast Turn-On, No Power Surge
- **Emissions-Free:** No Harmful UV or IR
- **Reduces Light Pollution,** Enhances Night Vision / "Dark Skies Initiative"-Friendly
- **Even Lighting:** High Intensity / Constant Light / No Halation
- **Stays Cooler** than Comparable Conventional Bulbs

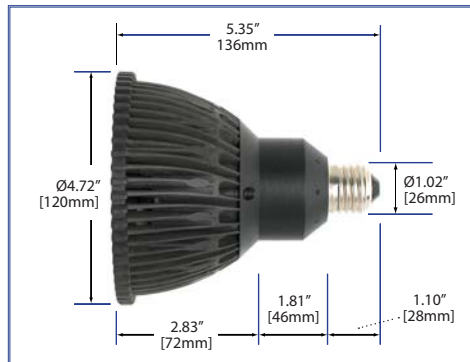


**Ideal for Use with Alternate or Renewable Energy Resources – Solar & Wind Power**

## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<b>PART NO.</b>	PAR38-7X3W-XxW-120AMD
<b>INPUT VOLTAGE</b>	120VAC
<b>Ambient Humidity</b>	90%
<b>Base Type</b>	E26 Medium Screw-in
<b>Lamp Shell</b>	Acrylic Lens/Aluminum Alloy Housing
<b>Dimensions</b>	L 5.35" x D 4.72" (136mm x 120mm)
<b>Weight</b>	21.6 oz / 612.3g



PART NUMBER	INPUT CURRENT	ENERGY USED (typ.)	TOTAL LUMENS	MAX. FOOT CANDELA	EFFICACY	POWER FACTOR	CRI	COLOR TEMP.	EMITTED COLOR	VIEW ANGLE
PAR38-7X3W-XHW-120AMD	158mA	18.1 Watts	607 lm	1,115 cd	33.5 lm/W	0.96	80	2800K	Halogen Warm White	40° - 45°
PAR38-7X3W-XIW-120AMD	160mA	17.4 Watts	670 lm	1,115 cd	38.5 lm/W	0.90	86	3200K	Warm White	45° ± 3°
PAR38-7X3W-XPW-120AMD	154mA	17.5 Watts	747 lm	1,252 cd	42.7 lm/W	0.96	82	6000K	Pure White	45° ± 3°

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THE FUTURE OF LIGHT

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23105 Kashiwa Court, Torrance, CA 90505  
Phone: (800) 579.4875 / (310) 534.1505  
Fax: (310) 534.1424  
E-mail: webmaster@ledtronics.com  
Website: http://www.ledtronics.com

www.LEDtronics.com

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**PAR38-7X3W-XHW-120AMD**

**Luminaire Photometric Report**

Filename: PAR38-7X3W-XHW-120AMD  
 Manufacturer: LEDTRONICS -  
 Luminaire: LED LENS, 120VAC, 18.1W  
 Luminaire Cat: PAR38-7X3W-XHW-120AMD  
 Lamp: LUMEN RATING: 606.5Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 606.5  
 Max Candela: 1,115.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 12-16-09

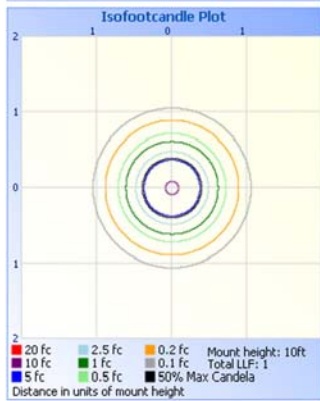
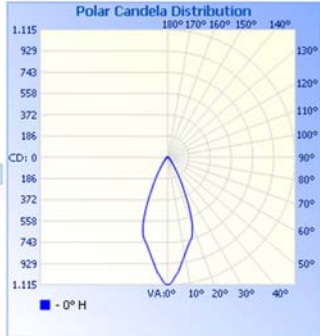
**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	85.3%	517.6	69.2	69.2
Beam (50%):	55.9%	339.1	42.9	42.9
Total:	100%	606.5		

**Illuminance at a Distance**

Center Beam FC	Beam Width
1.7ft	401.40 fc
3.3ft	100.35 fc
5.0ft	44.60 fc
6.7ft	25.09 fc
8.3ft	16.06 fc
10.0ft	11.15 fc

■ Beam Spread: 42.9°



**PAR38-7X3W-XIW-120AMD**

**Luminaire Photometric Report**

Filename: PAR38-7X3W-XIW-120AMD  
 Manufacturer: LEDTRONICS -  
 Luminaire: WITH CLEAR LENS, 120VAC, 17.4W, 19.3VA, 0.903 PF  
 Luminaire Cat: PAR38-7X3W-XIW-120AMD  
 Lamp: LUMEN RATING: 671.7Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 671.7  
 Max Candela: 1,115.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 4-13-09

**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	87.8%	589.8	71.8	71.8
Beam (50%):	58.9%	395.3	46.4	46.4
Total:	100%	671.7		

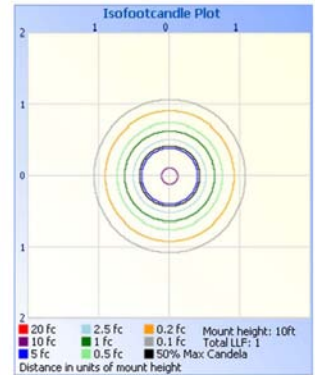
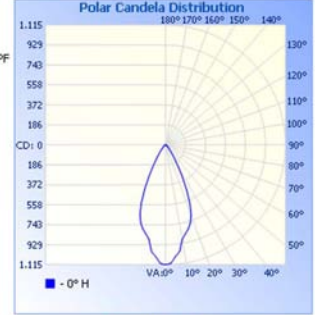
**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	529.6	78.8%	79.2%
0-40	610.4	90.9%	91.3%
0-60	656.0	97.7%	98.1%
60-90	12.9	1.9%	1.9%
0-90	668.9	99.6%	100%
0-180	668.9	99.6%	100%
Total Efficiency:	99.6%		

**Illuminance at a Distance**

Center Beam FC	Beam Width
1.7ft	401.40 fc
3.3ft	100.35 fc
5.0ft	44.60 fc
6.7ft	25.09 fc
8.3ft	16.06 fc
10.0ft	11.15 fc

■ Beam Spread: 46.4°



**PAR38-7X3W-XPW-120AMD**

**Luminaire Photometric Report**

Filename: PAR38-7X3W-XPW-120AMD  
 Manufacturer: LEDTRONICS -  
 Luminaire: LED LENS, 120VAC, 17.5W  
 Luminaire Cat: PAR38-7X3W-XPW-120AMD  
 Lamp: LUMEN RATING: 747.4Lms.  
 Lamp Output: 1 lamp(s), rated lamp lumens: 747.4  
 Max Candela: 1,252.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 12-16-09

**Flood Summary**

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	86.4%	645.9	72.2	72.2
Beam (50%):	57.2%	427.4	45.2	45.2
Total:	100%	747.4		

**Illuminance at a Distance**

Center Beam FC	Beam Width
1.7ft	450.72 fc
3.3ft	112.68 fc
5.0ft	50.08 fc
6.7ft	28.17 fc
8.3ft	18.03 fc
10.0ft	12.52 fc

■ Beam Spread: 45.2°

