



# High-Power LED PAR38 Wide Flood Lamps / Frosted

PAR38-12X2WF-XxW-002W



Operates on 90-to-290VAC – Consumes 18 Watts or Less — Warm & Pure White — E26/E27 Screw Base

Direct Drop-In Replacement of Halogen Lamps up to 90 Watts in PAR38 Fixtures – Up to 85% Power Savings

## FEATURES

- Lamp Warranty:** 3 Years
- Low Power Consumption:** 18 Watts or Less
- Long Lifespan:** White LED Lumen Maintenance Greater than 70% at 50,000 Hours of Operation (*Rated average life based on engineering testing and probability analysis*)
- Wide Input Voltage Range:** 90-290VAC
- Direct Retrofit:** Replaces Halogen Bulbs up to 90 Watts
- Choice of Colors:** 3000K Warm or 6000K Pure White
- Wide Beam Angles:** Up to 107 Degrees
- Solid Construction:** UV-Stabilized Frosted Plastic Lens, Magnesium Alloy Body
- Highest-Grade LEDs:** Uses White Premium Lighting-Class LEDs that Are Test-Verified to LM-79 Standard
- Wide Ambient Temp. Range:** ~-4°F to ~+104°F [~-20°C to ~+40°C]
- High CRI** Enhances All Colors
- Earth-Friendly:** RoHS Compliant



Non-Dimmable



**CAUTION: Suitable for use in open luminaires (fixtures)**

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

## APPLICATIONS

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

## BENEFITS

- Major Power Savings:** Up to 85% Compared to Incandescents
- Easy Installation** into Existing PAR38 Fixtures with 26mm Edison-Base Sockets
- Even Lighting:** High Intensity / Constant Light / No Halation
- Low Maintenance:** Lowers Costs by Reducing Re-lamp Frequency
- Environment-Friendly:** No Mercury Content, No Lead
- Emissions-Free:** No Harmful UV or IR
- Solid-State:** High-Shock & High-Vibration Resistant
- Fast Turn-On, No Power Surge
- Stays Cooler** than Comparable Conventional Bulbs
- “Dark Skies Initiative”-Agreeable:** Reduces Light Pollution, Enhances Night Vision

Suitable for use in open luminaires only. To prevent overheating of the lamp, which may cause premature failure, do not install in totally enclosed fixtures. Recessed fixtures with some type of venting are recommended for use with these lamps. LED PAR Bulbs must not exceed the ambient operating temperature range: ~-4°F to ~+104°F [~-20°C to ~+40°C].

- \* Risk of electrical shock. Not for use where directly exposed to water. This product is intended for indoor use or in a weather-protected fixture only.
- \* 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**.
- \* Not intended for use with emergency exit fixtures or emergency lights.
- \* Intense LED light source. Do not stare directly into the beam.

\* Full Beam Width at 50% Intensity



## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<b>PART NO.</b>	PAR38-12X2WF-XxW-002W
<b>Input Voltage</b>	90-290VAC
<b>Base</b>	E26 / E27 Edison Screw-in
<b>Ambient Humidity</b>	90%
<b>Ambient Temp. Range</b>	~-4°F to ~+104°F [~-20°C to ~+40°C]
<b>Dimensions</b>	<i>XIW:</i> L 4.64" [117.8mm] x W Ø4.80" [Ø121.9mm] <i>XPW:</i> L 4.86" [123.5mm] x W Ø4.76" [Ø121.0mm]
<b>Weight</b>	<i>XIW:</i> 1.24 lbs / 19.84oz / 562.45g <i>XPW:</i> 1.42lbs / 22.72oz / 644.10g

PART NUMBER	TESTED @	ENERGY USED	INPUT CURRENT	TOTAL LUMENS	MAXIMUM CANDELA	EFFICACY	CRI	COLOR TEMP.	EMMITTED COLOR	VIEWING ANGLE*
PAR38-12X2WF-XIW-002W	120VAC	15.3 Watts	0.210 A	807 lm	292 cd	53 lm/W	85	2800K~3200K	Warm White	107°
PAR38-12X2WF-XPW-002W	120VAC	18.3 Watts	0.121 A	942 lm	350 cd	51 lm/W	76	5500K~6350K	Pure White	105°

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LOG # 246 / Rev 09-2012

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

**PAR38-12X2WF-XIW-002W**

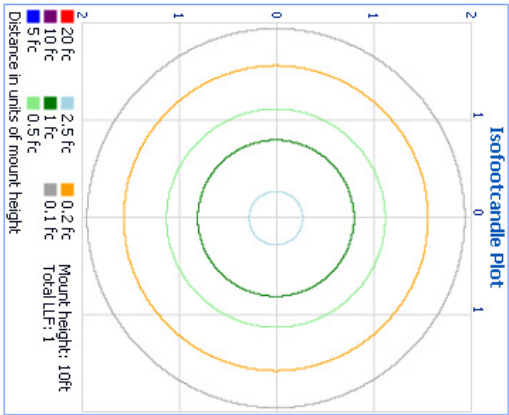
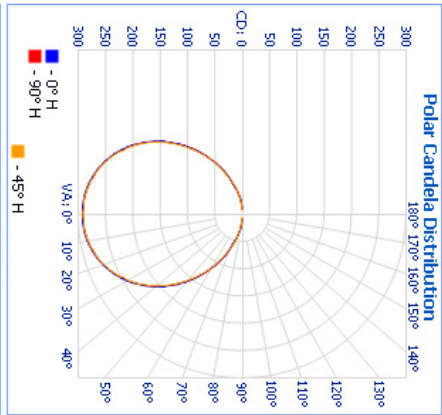
**Filename:** PAR38-12X2WF-XIW-002W-8-22-12  
**Manufacturer:** LEDTRONICS -  
**Luminaire:** FROSTED LENS,120VAC,15.3W  
**Luminaire Cat:** PAR38-12X2W-XIW-002W  
**Lamp:** LUMEN RATING: 807.2Lms  
**Lamp Output:** 1 lamp(s), rated lumens/lamp: 807.2  
**Max Candela:** 292.0 at Horizontal: 0°, Vertical: 0°  
**Luminous Opening:** Point  
**Test:** 8-22-12  
**Photometry:** Type C  
**CIE Class:** Direct  
**Cutoff Class:** Cutoff

Zone	Lumens %	Lamp %	Luminaire
0-30	225.1	27.9%	27.9%
0-40	365.8	45.3%	45.3%
0-60	631.9	78.3%	78.3%
60-90	175.3	21.7%	21.7%
70-100	82.3	10.2%	10.2%
90-120	0	0%	0%
0-90	807.2	100%	100%
90-180	0	0%	0%
0-180	807.2	100%	100%

**Zonal Lumen Summary**

Center Beam FC	Beam Width
1.7ft	105.12 ft
3.3ft	26.28 ft
5.0ft	11.68 ft
6.7ft	6.57 ft
8.3ft	4.20 ft
10.0ft	2.92 ft

Vert. Spread: 107.3° Horiz. Spread: 107.3°



**PAR38-12X2WF-XPW-002W**

**Filename:** PAR38-12X2WF-XPW-002W  
**Manufacturer:** LEDTRONICS -  
**Luminaire:** FROSTED LENS,277VAC,18.3W  
**Luminaire Cat:** PAR38-12X2WF-XPW-002W  
**Lamp:** LUMEN RATING: 941.5Lms  
**Lamp Output:** 1 lamp(s), rated lamp lumens: 941.5  
**Max Candela:** 350.0 at Horizontal: 45°, Vertical: 1°  
**Luminous Opening:** Point  
**Test:** 9-10-10

**Efficiency:** Lumens Horizontal Spread Vertical Spread  
**Field (10%):** 96.6% 911.7 157.2 157.8  
**Beam (50%):** 72.4% 681.9 105.6 105.8  
**Total:** 100% 941.5

Center Beam FC	Beam Width
1.7ft	125.28 ft
3.3ft	31.32 ft
5.0ft	13.92 ft
6.7ft	7.83 ft
8.3ft	5.01 ft
10.0ft	3.48 ft

Vert. Spread: 105.9° Horiz. Spread: 105.6°

