



# LED PAR20 8W Dimmable Bulbs / E26 Base

PAR20-8W-XxW-120AMD



Consumes Only 8 Watts – Directly Replaces Incandescents up to 50 Watts – Up to 90% Power Savings

110-120VAC — 2800K Or 3000K White CCT — Medium Beam — E26/E27 Medium Base — High Efficacy

## FEATURES

- **Lamp Warranty:** 3 Years
- **Flexible Voltage:** 110-120VAC
- **Directly Replaces** Compact Fluorescent and Halogen Bulbs in PAR20 Edison-Base Fixtures
- **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*)
- **Dimmable** with Standard Lamp Dimmers – Compatible with Most LED Phase-Control Dimmers (*Check LEDtronic.com/dimmers for recommended models*)
- **High CRI** of 82 Enhances All Colors
- **High-Grade Components:** Uses Premium, High-Efficacy LEDs
- **Sturdily Built:** UV-Stabilized Plastic Fresnel Lens, Aluminum Body
- **Eco-Friendly:** ROHS Compliant – No Hazardous Material
- **High CRI** of 82 Enhances All Colors
- **Safety Assurance:** UL Listed
- **Wide Operating Temperature Range:** ~-20°C to ~+40°C (~-4°F to ~+104°F)
- For Use in Dry Areas Only – Not for Use Where Exposed to Weather.
- Not for Use in Totally Enclosed Fixtures

## BENEFITS

- **Major Power Savings:** Up to 90% over Halogens
- **Clean Light:** Constant Light Output, No Halation
- **Emissions-Free:** No Ultraviolet (UV), No Infrared (IR)
- **Reduces Light Pollution:** "Dark Skies" Initiative-Compatible
- **High Shock / Vibration Resistant:** Electrical & Mechanical
- **Easy Installation:** Using Existing PAR20 Fixtures
- **Stays Cooler** than Comparable Incandescent & CFLs

## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<b>PART NUMBER</b>	PAR20-8W-XxW-120AMD
<b>Input Voltage</b>	110-120VAC [Tested @ 120VAC]
<b>Ambient Operating Temp.</b>	~-20°C to ~+40°C (~-4°F to ~+104°F)
<b>Base</b>	E26/E27 Edison Screw
<b>Body</b>	Aluminum, Black / UV-Stabilized Lens
<b>Dimensions</b>	L 3.57" [90.7mm] x W 0.250" [063.5mm]
<b>Weight</b>	.425 lbs. / 192.7g



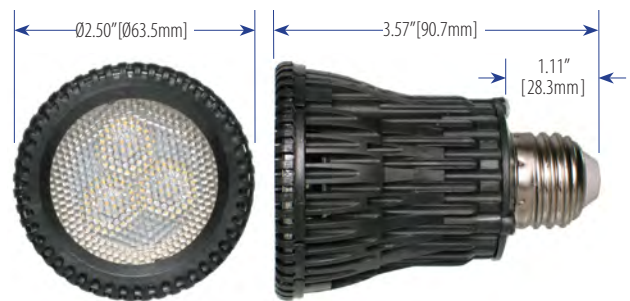
White LED technology is patent protected in the United States. LEDtronic white LED products are covered under these patents.



## APPLICATIONS

- Track Lighting
- Spot Lighting
- Display / Cabinet Lighting
- Architectural Lighting
- Art Gallery and Museum Lighting
- Ceiling Can Downlights

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



PART NUMBER	INPUT CURRENT	ENERGY USED	POWER FACTOR	EFFICACY	TOTAL LUMENS	MAXIMUM CANDELA	CRI	COLOR TEMP.	VIEWING ANGLE*
HALOGEN WHITE <span style="float: right;">(*Full Beam Width @ 50% Intensity)</span>									
PAR20-8W-XHW-120AMD	0.063A	6.8 Watts typ	0.91	39 lm/Watt	264 lm	697 cd	75	2700K~2875K	36°
WARM WHITE									
PAR20-8W-XIW-120AMD	0.063A	6.9 Watts typ / 8.0 max	0.92	45 lm/Watt	312 lm	657 cd	82	3000K~3200K	40°±3°

LEDTRONICS®  
Creating the Future of Light Since 1983™



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

**PHOTOMETRIC REPORTS**

**PAR20-8W-XIW-120AMD**

**Luminaire Photometric Report**

Filename: PAR20-8W-XIW-120AMD  
 Manufacturer: LEDTRONICS -  
 Luminaire: PRISMATIC LENS, 120VAC, 6.9W  
 Luminaire Cat: PAR20-8W-XIW-120AMD  
 Lamp: LUMEN RATING: 312.4lm/s  
 Lamp Output: 1 lamp(s), rated lamp lumens: 312.4  
 Max Candela: 657.0 at Horizontal: 0, Vertical: 0  
 Luminous Opening: Point  
 Test: 10-25-10

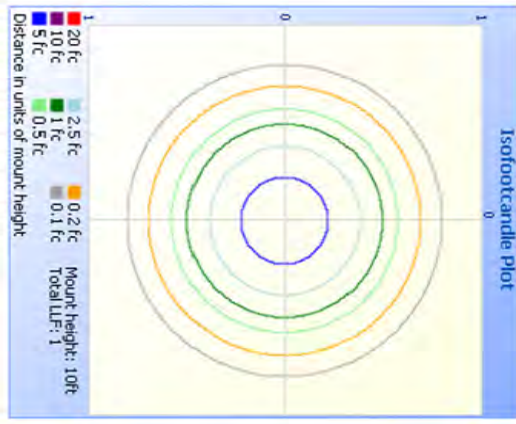
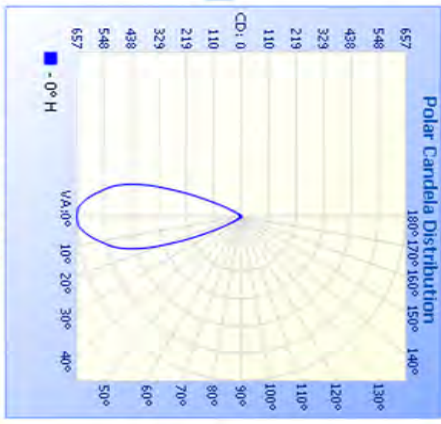
**Flood Summary**

Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	88.2%	275.5	62.1
Beam (50%)	61.7%	192.7	40.7
Total	100%	312.4	40.7

**Illuminance at a Distance**

Center Beam Fc	Beam Width
1.7ft	1.2ft
3.3ft	2.5ft
5.0ft	3.7ft
6.7ft	4.9ft
8.3ft	6.2ft
10.0ft	7.4ft

Beam Spread: 40.7°



**PAR20-8W-XHW-120AMD**

**Luminaire Photometric Report**

Filename: PAR20-8W-XHW-120AMD  
 Manufacturer: LEDTRONICS  
 Luminaire: CLEAR LENS, 120VAC, 6.8W  
 Luminaire Cat: PAR20-8W-XHW-120AMD  
 Lamp: LUMEN RATING: 264.0lm/s  
 Lamp Output: 1 lamp(s), rated lumens/lamp: 264  
 Max Candela: 697.0 at Horizontal: 0°, Vertical: 0°  
 Luminous Opening: Point  
 Test: 12-15-11

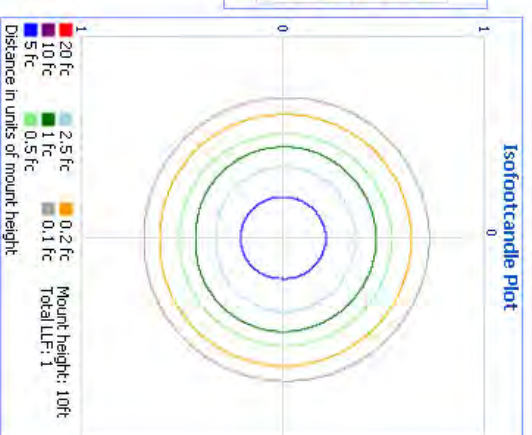
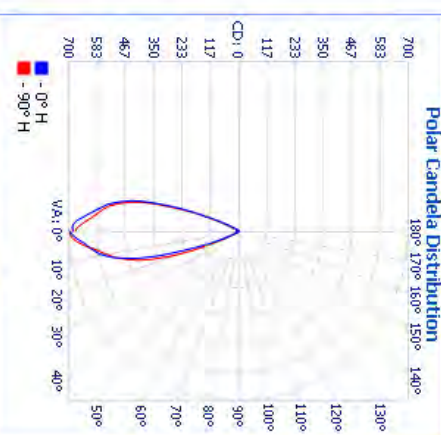
**Zonal Lumen Summary**

Zone	Lumens %	Lamp %	% Luminaire
0-30	239.4	90.7%	90.7%
0-40	253.1	95.9%	95.9%
0-60	261.2	98.9%	98.9%
60-90	2.8	1.1%	1.1%
90-120	0	0.3%	0.3%
0-90	264.0	100%	100%
90-180	0	0%	0%
0-180	264.0	100%	100%

**Illuminance at a Distance**

Center Beam Fc	Beam Width
1.7ft	1.1ft
3.3ft	2.2ft
5.0ft	3.2ft
6.7ft	4.3ft
8.3ft	5.4ft
10.0ft	6.5ft

Vert. Spread: 35.9°    Horiz. Spread: 37.2°



**CAUTION NOTES**

**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 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.
- Intense LED light source. Do not stare directly into the beam.