



Dimmable LED Warm White PAR20 Light Bulbs

PAR20-9W-XHW-120AMD-x



Consumes Less than 8.5 Watts – Up to 90% Power Savings — 120VAC — 2800K Warm White

Replaces Incandescent PAR20 Lamps Up to 40 Watts — E26 Base — 45° Medium Spotlight

FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Consumption:** Less than 8.5 Watts
- **Medium Beam Angle:** 40-45+ Degrees
- **Easy Installation/ Drop-In:** Designed as a Direct Retrofit into Most PAR20 Fixtures Using Existing 26mm (or E27 European) Edison-Base Screw-in Socket
- **Long Operating Life:** White LEDs Last up to 50,000+ Hours (5.7+ Years). Rated Life to 70% of Initial Light Output
- **Dimmable:** Dims from 100% to 10% Intensity with Recommended External Solid-State Dimmers
- **Brightness** Equivalent to Halogen Bulbs up to 90 Watts
- **Solid Construction:** UV-Stabilized Polycarbonate Lens, Metal Body
- **Highest-Grade LEDs:** Uses CREE XR-E, Meet LM-79/LM-80
- **Optimally Designed** for Linear and Switching "Clean" Power Supplies
- **High-Shock & High-Vibration Resistant**, Both Electrical and Mechanical
- **Excellent Color Rendering:** High CRI of 80 Enhances All Colors
- **Safety Assurance:** ROHS Compliant



Ideal for use with Alternate & Renewable Energy Resources: Solar & Wind Power

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	PAR20-9W-XHW-120AMD-x
Emitted Color	"Halogen" Warm White
Input Voltage	120 VAC
Color Rendering Index	80
Ambient Operating Temp. Range	~-22°F to ~+122°F ~-30°C to ~+50°C
Dimensions	Length 3.50" x Width Ø2.36" L8.9cm x WØ6.0cm
Weight	7.4 oz / 209.8 g



PAR20-9W-XHW-120AMD



PAR20-9W-XHW-120AMD-S

BENEFITS

- **Major Power Savings:** Up to 90% over Incandescents
- **Clean Light:** High-Intensity, Constant Light Output; No Halation
- **Eco-Friendly:** No Mercury, No Lead Content
- **No Hazardous Emissions:** No Ultraviolet (UV) or Infrared (IR) Radiation – Does Not Attract Insects
- **Reduces Light Pollution:** No Wasted Light, "Dark Skies Initiative"-Friendly
- **Solid-State:** Fast Turn-On, No Power Surge
- **Stays Cooler** than Comparable PAR20 Bulbs

APPLICATIONS

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



PART NUMBER	INPUT CURRENT	ENERGY USED	EFFICACY	POWER FACTOR	TOTAL LUMENS	MAXIMUM CANDELA	COLOR TEMPERATURE	BEAM ANGLE
PAR20-9W-XHW-120AMD	74mA	8.2 Watts	28.4 lm/W	0.92	233 lm	409 cd	2700K~2875K	45°±3°
PAR20-9W-XHW-120AMD-S	59mA	6.4 Watts	42.2 lm/W	0.91	270 lm	425 cd	2700K~2875K	45°±3°

LEDTRONICS, INC.®
THE FUTURE OF LIGHT

© 2011 LEDtronics, Inc.



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

PAR20-9W-XHW-120AMD

Luminaire Photometric Report

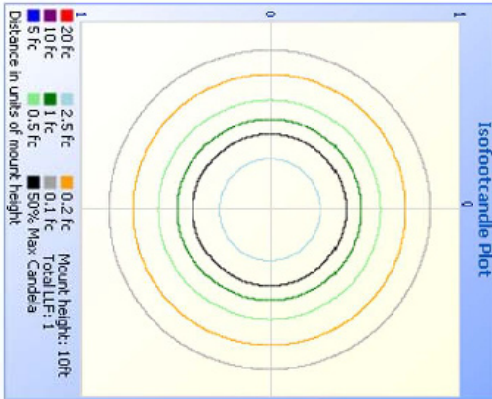
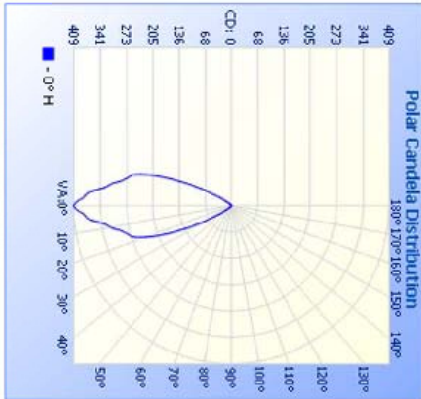
Filename: PAR20-9W-XHW-120A-MD
 Manufacturer: LEDTRONICS -
 Luminaire: WITH LED LENS, 120VAC, 8.2W
 Luminaire Cat: PAR20-9W-XHW-120AMD
 Lamp: LUMEN RATING: 232 SLIMS.
 Lamp Output: 1 lamp(s), rated lamp lumens: 232.9
 Max Candela: 409.0 at Horizontal: 0, Vertical: 0
 Luminous Opening Point
 Test: 7-10-09

Flood Summary

Efficiency Lumens Horizontal Spread Vertical Spread
 Field (100%): 85.3% 198.7 71.2 71.2
 Beam (50%): 56.2% 131.0 44 44
 Total: 100% 232.9

Illuminance at a Distance		
Center Beam Fc	Beam Width	
1.7ft	147.24 fc	1.3ft
3.3ft	36.81 fc	2.7ft
5.0ft	16.36 fc	4.0ft
6.7ft	9.20 fc	5.4ft
8.3ft	5.89 fc	6.7ft
10.0ft	4.09 fc	8.1ft

Beam Spread: 44.0°



PAR20-9W-XHW-120AMD-S

Luminaire Photometric Report

Filename: PAR20-9W-XHW-120AMD-S
 Manufacturer: LEDTRONICS -
 Luminaire: WITH LED LENS, 120VAC, 6.4W
 Luminaire Cat: PAR20-9W-XHW-120AMD-S
 Lamp: LUMEN RATING: 270.2 LIMS.
 Lamp Output: 1 lamp(s), rated lamp lumens: 270.2
 Max Candela: 425.0 at Horizontal: 0, Vertical: 0
 Luminous Opening Point
 Test: 5-21-10

Flood Summary

Efficiency Lumens Horizontal Spread Vertical Spread
 Field (100%): 85.5% 231.1 73.6 73.6
 Beam (50%): 56.2% 151.8 46.4 46.4
 Total: 100% 270.2

Illuminance at a Distance		
Center Beam Fc	Beam Width	
1.7ft	153.00 fc	1.4ft
3.3ft	38.25 fc	2.9ft
5.0ft	17.00 fc	4.3ft
6.7ft	9.56 fc	5.7ft
8.3ft	6.12 fc	7.1ft
10.0ft	4.25 fc	8.6ft

Beam Spread: 46.4°

