



PAR16 High-Power LED 6W Light Bulbs / 100-260VAC

PAR16-6W-XxW-003x

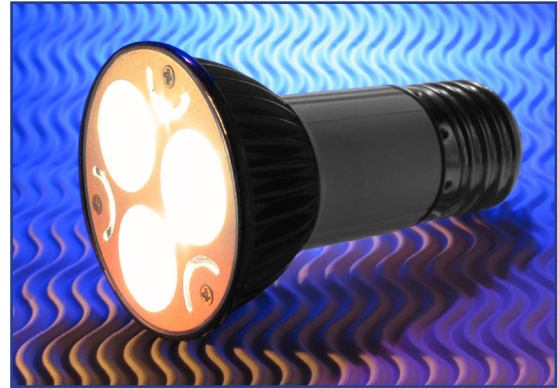


Consumes Less than 6 Watts – Up to 85% Power Savings — Warm & Pure White — 15°-30° Beam Angles

Direct Drop-In Replacement of Halogens up to 30 Watts in PAR16 Fixtures — E26/E27 Base

FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Consumption:** Maximum 5.3 Watts
- **Wide Input Voltage Range:** 100-260VAC
- **Choice of Beam Angle:** From 15 to 40 Degrees
- **Easy Drop-In** into PAR16 Fixtures with E26 Edison Screw Base
- **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*)
- **Solid Construction:** UV-Stabilized Plastic Lens, Magnesium Alloy Body
- **Solid-State Design:** High-Shock & High-Vibration Resistant, Both Electrical and Mechanical
- **High CRI** of up to 85 Enhances All Colors
- **Highest-Grade LEDs:** Uses Premium LEDs that Meet LM-79/LM-80 Requirements
- **Eco-Friendly:** RoHS Compliant



APPLICATIONS

- Accent Lighting
- Spotlight/Security Light/Emergency Light
- General/Architectural and Landscape Lighting
- Display Case fixtures and Cabinet Lighting
- Signage and Back Lighting
- Aerospace Lighting Systems
- Industrial OEM Equipment Lighting
- Bio-Medical and Medical Applications

CAUTION: Suitable for use in open luminaires (fixtures)

BENEFITS

- **Major Energy Savings:** Up to 85% Compared to Incandescents/Halogens
- **Low Maintenance:** Lowers Costs By Reducing Re-lamp Frequency
- **Eco-Friendly:** No Mercury Content, No Lead – Recyclable
- **No Hazardous Emissions:** No UV or IR Radiation; No RF Interference
- **Even Lighting:** High Intensity / No Halation
- **Cool Operation:** Doesn't Get Hot to the Touch
- Constant and Even Light Output, Non-Halation

SPECIFICATIONS

PART NO.	PAR16-6W-XxW-003x
Input Voltage	100-260 VAC [Tested @ 120 VAC]
Lamp Shell	PMMA / Magnesium Alloy
Ambient Humidity	85%
Ambient Operating Temperature Range	~-4°F to ~+104°F ~-20°C to ~+40°C
Dimensions	L2.91" x D01.97" (74 mm x 50mm)
Weight	0.158 lbs / 2/53 oz / 71.7 g



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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.

PART NUMBER	INPUT CURRENT	ENERGY USED typ / max	EFFICACY	TOTAL LUMENS	MAXIMUM CANDELA	CRI	COLOR TEMP.	EMITTED COLOR	BEAM ANGLE
WARM WHITE									
PAR16-6W-XIW-003S	72mA	5.2 / 5.3 Watts	26.8 lm/W	139 lm	1,181 cd	85	2875K ~ 3200K	Warm White	15° ~ 25°
PAR16-6W-XIW-003M	58mA	4.7 / 5.3 Watts	32.8 lm/W	154 lm	332 cd	85	2875K ~ 3200K	Warm White	30° ~ 40°
PURE WHITE									
PAR16-6W-XPW-003S	72mA	4.5 / 5.3 Watts	36.8 lm/W	206 lm	1,365 cd	76	6000K ~ 6500K	Pure White	15° ~ 25°
PAR16-6W-XPW-003M	72mA	4.3 / 5.3 Watts	33.5 lm/W	188 lm	539 cd	76	6000K ~ 6500K	Pure White	30° ~ 40°

LEDTRONICS®
Creating the Future of LED Light Since 1983™

© 2013 LEDtronic, Inc.



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

www.LEDtronics.com

LOG # 222 / Rev 11-2013

Check LEDTRONICS.COM for the latest data. Product mechanical may be updated.

PAR16-6W-XIW-003S

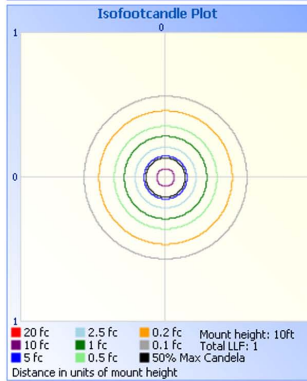
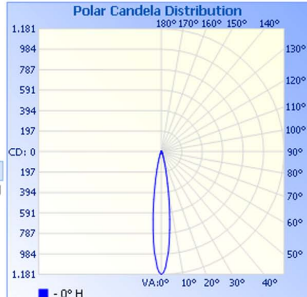
Luminaire Photometric Report

Filename: PAR16-6W-XIW-003S
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 5.2W
 Luminaire Cat: PAR16-6W-XIW-003S
 Lamp: LUMEN RATING: 139.3Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 139.3
 Max Candela: 1,181.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-6-08B

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	69%	96.2	31.9	31.9
Beam (50%):	32.9%	45.9	15.4	15.4
Total:	100%	139.3		

Illuminance at a Distance		
	Center Beam FC	Beam Width
1.7ft	425.16 fc	0.5ft
3.3ft	106.29 fc	0.9ft
5.0ft	47.24 fc	1.4ft
6.7ft	26.57 fc	1.8ft
8.3ft	17.01 fc	2.3ft
10.0ft	11.81 fc	2.7ft

■ Beam Spread: 15.4°



PAR16-6W-XIW-003M

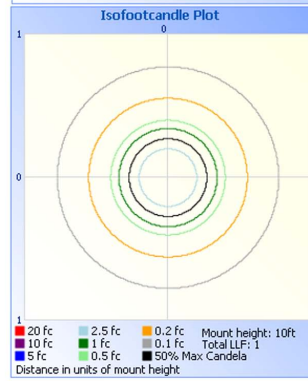
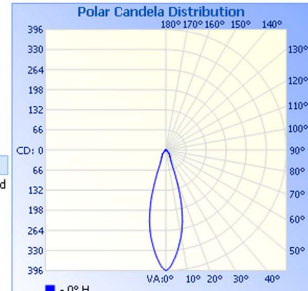
Luminaire Photometric Report

Filename: PAR16-6W-XIW-003M
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 4.9W
 Luminaire Cat: PAR16-6W-XIW-003M
 Lamp: LUMEN RATING: 136.9Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 136.9
 Max Candela: 396.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-6-08B

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	71.8%	98.3	50.6	50.6
Beam (50%):	43.9%	60.2	30.4	30.4
Total:	100%	136.9		

Illuminance at a Distance		
	Center Beam FC	Beam Width
1.7ft	142.56 fc	0.9ft
3.3ft	35.64 fc	1.8ft
5.0ft	15.84 fc	2.7ft
6.7ft	8.91 fc	3.6ft
8.3ft	5.70 fc	4.5ft
10.0ft	3.96 fc	5.4ft

■ Beam Spread: 30.4°



PAR16-6W-XPW-003S

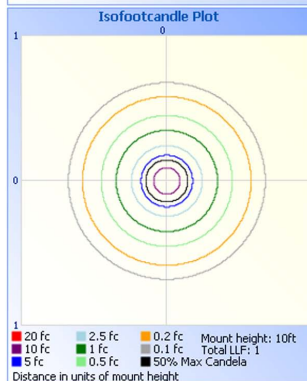
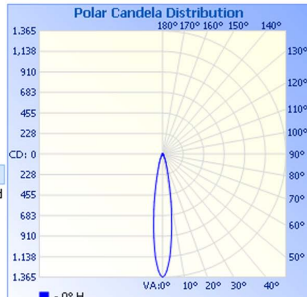
Luminaire Photometric Report

Filename: PAR16-6W-XPW-003S
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 4.5W
 Luminaire Cat: PAR16-6W-XPW-003S
 Lamp: LUMEN RATING: 206.1Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 206.1
 Max Candela: 1,365.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-6-08B

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	66.9%	137.9	36.6	36.6
Beam (50%):	31.7%	65.3	16.7	16.7
Total:	100%	206.1		

Illuminance at a Distance		
	Center Beam FC	Beam Width
1.7ft	491.40 fc	0.5ft
3.3ft	122.85 fc	1.0ft
5.0ft	54.60 fc	1.5ft
6.7ft	30.71 fc	2.0ft
8.3ft	19.66 fc	2.5ft
10.0ft	13.65 fc	2.9ft

■ Beam Spread: 16.7°



PAR16-6W-XPW-003M

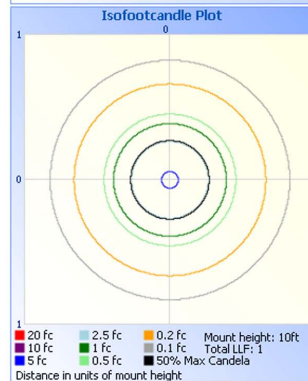
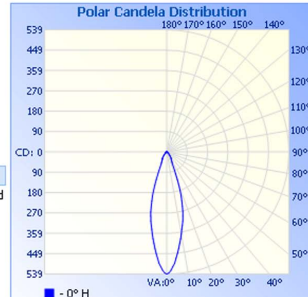
Luminaire Photometric Report

Filename: PAR16-6W-XPW-003M
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 120VAC, 4.3W
 Luminaire Cat: PAR16-6W-XPW-003M
 Lamp: LUMEN RATING: 187.8Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 187.8
 Max Candela: 539.0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-6-08B

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	73.7%	138.5	52.3	52.3
Beam (50%):	42%	78.9	30.3	30.3
Total:	100%	187.8		

Illuminance at a Distance		
	Center Beam FC	Beam Width
1.7ft	194.04 fc	0.9ft
3.3ft	48.51 fc	1.8ft
5.0ft	21.56 fc	2.7ft
6.7ft	12.13 fc	3.6ft
8.3ft	7.76 fc	4.5ft
10.0ft	5.39 fc	5.4ft

■ Beam Spread: 30.3°



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