



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 Operating Life:** White LED Lasts up to 50,000+ Hours (5.7+ Years)
- **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 CREE XR-E that Meets LM-79/LM-80 Requirements
- **Safety Assurance:** RoHS Compliant



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

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

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

| | |
|--|--|
| 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 | ~ -22°F to ~ +122° ~ -30°C to ~ +50°C |
| Dimensions | L2.91" x DØ1.97" (74 mm x 50mm) |
| Weight | 0.158 lbs / 2/53 oz / 71.7 g |



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° |

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THE FUTURE OF LIGHT

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Check LEDTRONICS.COM for the latest
Product Information and Product Updates.

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: 8-6-088

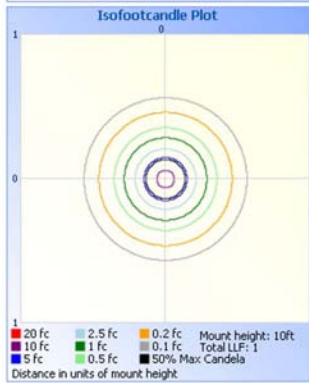
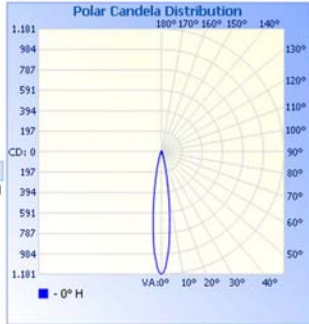
Flood Summary

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

Illuminance at a Distance

| Center Beam FC | Beam Width |
|----------------|------------|
| 1.7ft | 425.16 fc |
| 3.3ft | 106.29 fc |
| 5.0ft | 47.24 fc |
| 6.7ft | 26.57 fc |
| 8.3ft | 17.01 fc |
| 10.0ft | 11.81 fc |

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: 8-6-088

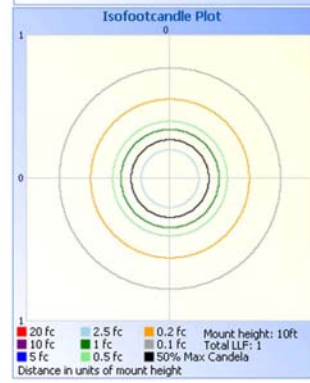
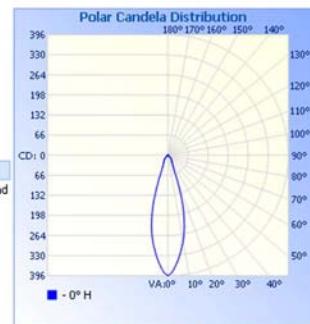
Flood Summary

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

Illuminance at a Distance

| Center Beam FC | Beam Width |
|----------------|------------|
| 1.7ft | 142.56 fc |
| 3.3ft | 35.64 fc |
| 5.0ft | 15.84 fc |
| 6.7ft | 8.91 fc |
| 8.3ft | 5.70 fc |
| 10.0ft | 3.96 fc |

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: 8-6-088

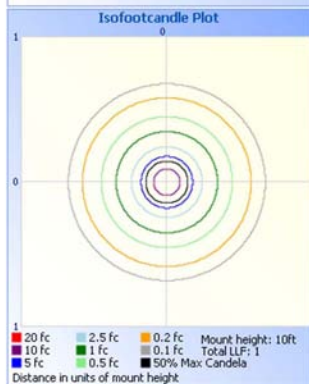
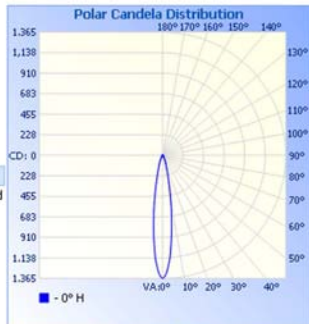
Flood Summary

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

Illuminance at a Distance

| Center Beam FC | Beam Width |
|----------------|------------|
| 1.7ft | 491.40 fc |
| 3.3ft | 122.85 fc |
| 5.0ft | 54.60 fc |
| 6.7ft | 30.71 fc |
| 8.3ft | 19.66 fc |
| 10.0ft | 13.65 fc |

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: 8-6-088

Flood Summary

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

Illuminance at a Distance

| Center Beam FC | Beam Width |
|----------------|------------|
| 1.7ft | 194.04 fc |
| 3.3ft | 48.51 fc |
| 5.0ft | 21.56 fc |
| 6.7ft | 12.13 fc |
| 8.3ft | 7.76 fc |
| 10.0ft | 5.39 fc |

Beam Spread: 30.3°

