



**Consumes Only 147 Watts of Power or Less — Over 65% Energy Savings**

**XIW Replaces 400-Watt HPS Fixtures — Typical Mounting Height: 20-30 feet**  
**XPW Replaces 300-360 Watt Metal Halide Fixtures — Typical Mounting Height: 14-24 feet**

## FEATURES

- **Warranty:** 5 Years
- **Life Expectancy:** 11.4 Years (Based on 12 Hrs/Day)
- **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)
- **Less Weight:** Only 24 lbs, Compared to 39-42 lbs Conventional Lighting
- **Optimized Circuitry:** Power Factor Corrected for Maximum Efficiency
- **Super Intensity:** Up to 3861 Candelas
- **Highest-Grade LEDs:** Uses CREE XR-E
- **Meets IP65 Requirements:** Totally Protected against Dust; Protected against Low-Pressure Jets of Water from All Directions. Limited Ingress Permitted.
- **Input Power Surge Protection:** Onboard 40kA Varistor
- **Wide Ambient Oper. Temperature Range:** ~-22°F to ~+122°F
- **Safety Assurance:** ETL Listed
- **Made in the USA** from Imported Parts — Meets Buy American Requirements within the ARRA Program
- **that Meets LM-79/LM-80 Requirements**



## APPLICATIONS

- Parking Lots & Structures
- Roadway & Street Lighting
- Building Floodlights
- Up/Down Spotlighting
- Pole-Mounted Area Lighting
- Sign Lighting
- For Tunnels, Caves, Mines
- Parks/Walkway Illumination

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

**Over 35 Years of LEDtronics Design, Engineering & Manufacturing Experience**

## BENEFITS

- **Major Energy Savings:** Over 65% Compared to Incandescents
- **Solid-State:** High-Shock- & High-Vibration-Resistant
- **Instant-On:** No Delay in
- **No Harmful Emissions:** No Ultraviolet, No Infrared
- **Reduces Light Pollution:** No Wasted Light, "Dark Skies"
- **Re-Strike**
- **Initiative"-Friendly**
- **Enhances Vision:** Better Optical Acuity, Little or No Disability Glare
- **High CRI** Enhances All Colors

## SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<b>PART NO.</b>	SLL003P-70X2W-XxW-005
<b>Beam Pattern</b>	Type V Circular
<b>Input Voltage</b>	100-277 VAC [Tested @ 120VAC]
<b>IP Code</b>	IP65
<b>Ambient Operating Temperature Range</b>	~-22°F to ~+122°F ~-30°C to ~+50°C
<b>Dimensions</b>	W16½ in x H16½ in x D7 in W41.8cm x H41.8 cm x D17.7cm
<b>Weight</b>	24 lbs / 11 kg

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



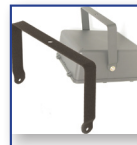
## MATERIALS / CONSTRUCTION

- **Housing:** Die-cast aluminum housing and hinged front frame, ½" coin plugs for conduit and photocell, textured architectural bronze powdercoat finish over a chromate conversion coating
- **Lens:** Tempered flat clear glass lens
- **Fixture** is intended for indoor or outdoor use, and designed to protect against windblown dust, rain, splashing and direct hose "washdowns"

## CUSTOM OPTIONS

*[For qualified applications & large-quantity OEM orders]*

- Other **Voltages** Available
- Other **LED Colors**
- Other **Color Finishes**
- Narrow or Wider **Viewing Angles**
- Various **Mounting Hardware** Available



(Ask for Log #283)



PART NUMBER	INPUT CURRENT	ENERGY USED	EFFICACY	POWER FACTOR	TOTAL LUMENS	MAXIMUM CANDELA	CRI	COLOR TEMP.	EMITTED COLOR	VIEWING ANGLE*
SLL003P-70X2W-XIW-005	1.140A	136 Watts	36 lm/W	0.99	4936 lm	2968 cd	85	2800K~3200K	Warm White	80°~85°
SLL003P-70X2W-XPW-005	1.231A	147 Watts	50 lm/W	0.99	7384 lm	3861 cd	76	5500K~6350K	Pure White	85°~95°

\*Full Beam Width @ 50% Intensity

## Luminaire Photometric Report

Filename: SL1003P-70X2W-XIW-005

Manufacturer: LEDTRONICS -

Luminaire: WITH CLEAR LENS, 120VAC, 147W, AL73 HOUSING, 7X10.5 I.A

Luminaire Cat: SL1003P-70X2W-XIW-005

Lamp: 1 LUMEN RATING: 7835 lumens

Lamp Output: 1 (lamp(s), rated lamp lumens: 7835.6

Max Candela: 3,861.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

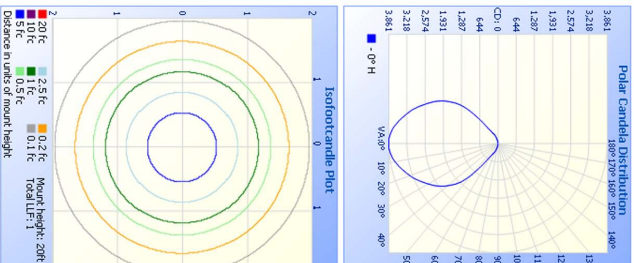
Test: 8-24-09

Zonal Lumen Summary	
Zone	Lumens % Lamp % Luminaire
0-30	2,770.6 37.5% 37.5%
0-40	4,398.8 59.6% 59.6%
0-60	6,677.6 90.4% 90.4%
0-90	7,863.8 100% 100%
0-180	7,863.8 100% 100%

Total Efficiency: 100%

Illuminance at a Distance	
Center Beam FC	Beam Width
347.49 fC	6.7ft 6.7ft
86.87 fC	13.4ft 13.4ft
36.61 fC	20.1ft 20.1ft
10.8ft	21.72 fC 26.8ft 26.8ft
13.3ft	13.90 fC 33.5ft 33.5ft
15.7ft	9.65 fC 40.2ft 40.2ft
20.8ft	
Vert. Speed: 90.3°	Horiz. Speed: 90.3°

20 FEET



## Luminaire Photometric Report

Filename: SL1003P-70X2W-XPW-005

Manufacturer: LEDTRONICS -

Luminaire: WITH CLEAR LENS, 120VAC, 147W, AL73 HOUSING, 7X10.5 I.A

Luminaire Cat: SL1003P-70X2W-XPW-005

Lamp: 1 LUMEN RATING: 7835 lumens

Lamp Output: 1 (lamp(s), rated lamp lumens: 7835.6

Max Candela: 3,861.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

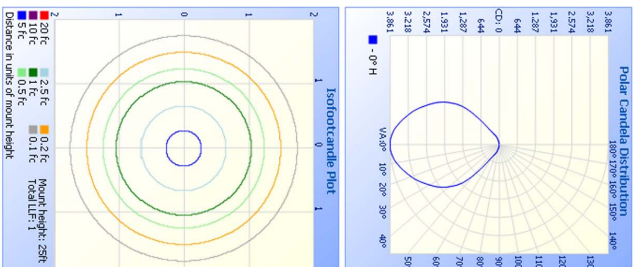
Test: 8-24-09

Zonal Lumen Summary	
Zone	Lumens % Lamp % Luminaire
0-30	2,770.6 37.5% 37.5%
0-40	4,398.8 59.6% 59.6%
0-60	6,677.6 90.4% 90.4%
0-90	7,863.8 100% 100%
0-180	7,863.8 100% 100%

Total Efficiency: 100%

Illuminance at a Distance	
Center Beam FC	Beam Width
222.39 fC	8.4ft 8.4ft
55.60 fC	16.7ft 16.7ft
24.71 fC	25.1ft 25.1ft
12.5ft	13.90 fC 33.5ft 33.5ft
15.7ft	6.30 fC 41.8ft 41.8ft
20.8ft	4.50 fC 50.2ft 50.2ft
25.0ft	
Vert. Speed: 90.3°	Horiz. Speed: 90.3°

25 FEET



## Luminaire Photometric Report

Filename: SL1003P-70X2W-XPW-005

Manufacturer: LEDTRONICS -

Luminaire: WITH CLEAR LENS, 120VAC, 147W, AL73 HOUSING, 7X10.5 I.A

Luminaire Cat: SL1003P-70X2W-XPW-005

Lamp: 1 LUMEN RATING: 7835 lumens

Lamp Output: 1 (lamp(s), rated lamp lumens: 7835.6

Max Candela: 3,861.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

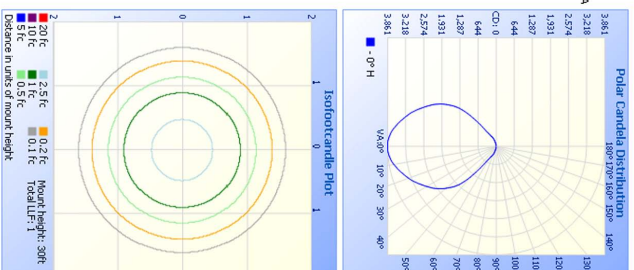
Test: 8-24-09

Zonal Lumen Summary	
Zone	Lumens % Lamp % Luminaire
0-30	2,770.6 37.5% 37.5%
0-40	4,398.8 59.6% 59.6%
0-60	6,677.6 90.4% 90.4%
0-90	7,863.8 100% 100%
0-180	7,863.8 100% 100%

Total Efficiency: 100%

Illuminance at a Distance	
Center Beam FC	Beam Width
154.44 fC	10.0ft 10.0ft
38.61 fC	20.1ft 20.1ft
17.16 fC	30.1ft 30.1ft
15.0ft	17.16 fC 40.2ft 40.2ft
20.0ft	9.65 fC 50.2ft 50.2ft
25.0ft	6.18 fC 60.3ft 60.3ft
30.0ft	4.29 fC
Vert. Speed: 90.3°	Horiz. Speed: 90.3°

30 FEET



## Luminaire Photometric Report

Filename: SL1003P-70X2W-XIW-005

Manufacturer: LEDTRONICS -

Luminaire: WITH CLEAR LENS, 120VAC, 135.9W

Luminaire Cat: SL1003P-70X2W-XIW-005

Lamp: 1 LUMEN RATING: 4935 lumens

Lamp Output: 1 (lamp(s), rated lamp lumens: 4935.6

Max Candela: 2,968.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

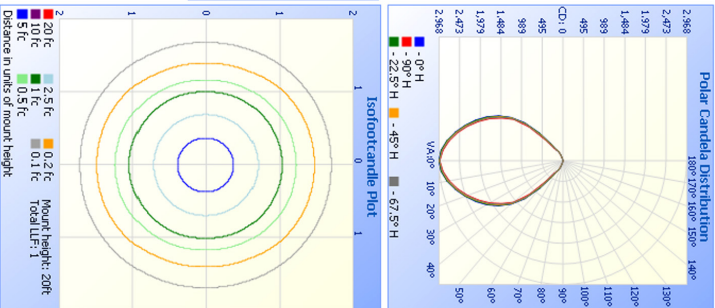
Test: 12-14-10

Zonal Lumen Summary	
Zone	Lumens % Lamp % Luminaire
0-30	2,056.2 41.7% 41.7%
0-40	3,200.6 64.8% 64.8%
0-60	4,567.2 92.5% 92.5%
0-90	4,935.6 100% 100%
0-180	4,935.6 100% 100%

Total Efficiency: 100%

Illuminance at a Distance	
Center Beam FC	Beam Width
267.12 fC	6.0ft 5.7ft
66.78 fC	12.0ft 11.3ft
29.68 fC	18.0ft 17.0ft
10.8ft	16.70 fC 24.0ft 22.7ft
13.3ft	10.68 fC 30.0ft 28.3ft
15.7ft	7.42 fC 36.0ft 34.0ft
20.8ft	
Vert. Speed: 83.9°	Horiz. Speed: 80.7°

20 FEET



## Luminaire Photometric Report

Filename: SL1003P-70X2W-XIW-005

Manufacturer: LEDTRONICS -

Luminaire: WITH CLEAR LENS, 120VAC, 135.9W

Luminaire Cat: SL1003P-70X2W-XIW-005

Lamp: 1 LUMEN RATING: 4935 lumens

Lamp Output: 1 (lamp(s), rated lamp lumens: 4935.6

Max Candela: 2,968.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

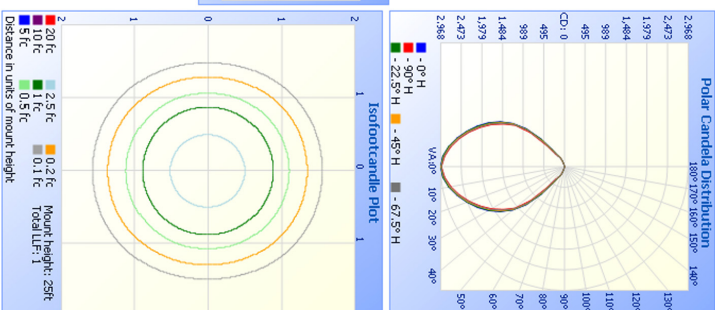
Test: 12-14-10

Zonal Lumen Summary	
Zone	Lumens % Lamp % Luminaire
0-30	2,056.2 41.7% 41.7%
0-40	3,200.6 64.8% 64.8%
0-60	4,567.2 92.5% 92.5%
0-90	4,935.6 100% 100%
0-180	4,935.6 100% 100%

Total Efficiency: 100%

Illuminance at a Distance	
Center Beam FC	Beam Width
428 fC	7.3ft 7.1ft
170.96 fC	15.0ft 14.2ft
83.8ft	42.74 fC 22.5ft 21.3ft
12.5ft	19.00 fC 30.0ft 28.3ft
15.7ft	10.68 fC 37.0ft 35.4ft
20.8ft	6.84 fC 45.0ft 42.5ft
25.0ft	4.73 fC
Vert. Speed: 83.9°	Horiz. Speed: 80.7°

25 FEET



## Luminaire Photometric Report

Filename: SL1003P-70X2W-XIW-005

Manufacturer: LEDTRONICS -

Luminaire: WITH CLEAR LENS, 120VAC, 135.9W

Luminaire Cat: SL1003P-70X2W-XIW-005

Lamp: 1 LUMEN RATING: 4935 lumens

Lamp Output: 1 (lamp(s), rated lamp lumens: 4935.6

Max Candela: 2,968.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

Test: 12-14-10

Zonal Lumen Summary	
Zone	Lumens % Lamp % Luminaire
0-30	2,056.2 41.7% 41.7%
0-40	3,200.6 64.8% 64.8%
0-60	4,567.2 92.5% 92.5%
0-90	4,935.6 100% 100%
0-180	4,935.6 100% 100%

Total Efficiency: 100%

Illuminance at a Distance	
Center Beam FC	Beam Width
508 fC	9.0ft 8.5ft
118.72 fC	18.0ft 17.0ft
29.68 fC	27.0ft 25.5ft
15.0ft	13.19 fC 36.0ft 34.0ft
20.0ft	7.42 fC 45.0ft 42.5ft
25.0ft	4.73 fC 54.0ft 51.0ft
30.0ft	3.30 fC
Vert. Speed: 83.9°	Horiz. Speed: 80.7°

30 FEET

