



LED Hazardous Location Flood Lights – Class 1 Div 2

28, 100 & 185 Watts – 100~277VAC – 105° & 120° Wide Beam – Weatherproof – Wall, Pole or Ceiling Mount



FEATURES

- 5 Year LEDtronics Warranty
- Energy Savings up to 75% over MH/HPS
- Lumen Maintenance over 70% @ 100,000+ Hours
- Die-Cast Aluminum Housing with High Heat Transmission
- IP68: (Dust-tight, Long-term Liquid Immersion)
- UL844/E47588 UL – Suitable for Hazardous Locations
- Included Knuckle Bracket (EPL101) & Adjustable Yokes (EPL102 & EPL103) for Ceiling, Wall or Pole Mounting
- 105° & 120° Wide Flood Illumination
- Meanwell HLG Driver with >90% Efficacy
- Surge Protection Rating: 40W, 100W & 200W – Line-Earth 4KV, Line-Line 2KV
- Solid-State – High Shock & Vibration Resistant
- No IR/UV Radiation, No RF, EMI Testing Compliance
- LM80-Certified, High-Efficacy & High-Lumen LED Chips



28 Watts
Replaces HPS/MH
Luminaires up to 150W

IP68 Protection Rated

Includes Adjustable-
Angle Knuckle Bracket
for Mounting



APPLICATIONS

- Zones I & II Hazardous Locations
- Locations that Need IP68 Protection
- Oil Refineries / Offshore Oil Platforms
- Power Plants, Chemical Plants
- Gas Stations, Pumping Stations, Substations
- Waste Water Treatment Plants
- Paint Facilities, Coal Mining
- Military Bases, Weapons Storage
- Food & Meat Processing Facilities
- Tunnel Lighting, Airports

AVAILABLE OPTIONS

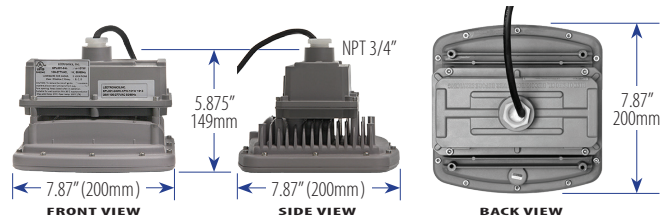
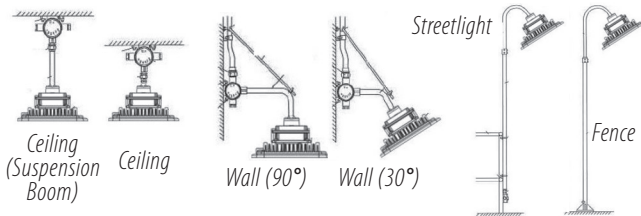
- Other Color Temperatures: 2700K, 4000K

Over 40 Years of LEDtronics Design,
Engineering & Manufacturing Experience

EPL001-040W-XPW-101W

Input Power	28.06 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)
Input Current	0.26A
Power Factor	0.956
Lumens	3131.95 lm
Luminous Efficacy	111.62 lm/W
Max. Candela	1157 cd
CRI	73
Emitted Color	Pure White
Color Temperature	5112K
Illumination Angle	105°
Operating Temperature	-22°F ~ +122°F / -30°C ~ +50°C
Housing	Die-Cast Aluminum / Gray Color
Lens	Super-Clear Tempered Glass
Hazardous Location Grade	Class 1, Division 2, Groups A, B, C & D
Protection Rating	IP68 (Dust-tight, long-term liquid immersion)
Dimmability	Not Dimmable
Dimensions	L 7.87 x W 7.87 x H 5.875 inch L 200 x W 200 x H 149 mm
Weight	7.03 lbs / 3.19 Kg

TYPICAL INSTALLATION METHODS



LEDTRONICS®

America's Premium Brand LED Company™



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LEDTRONICS.COM

WWW.LEDTRONICS.COM

LOG 614 / Rev 06-2024

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

**Adjustable Yoke-Bracketed
for Ceiling or Wall
Mounting**



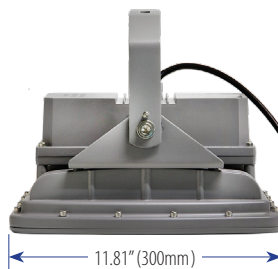
**IP68
Protection Rated**



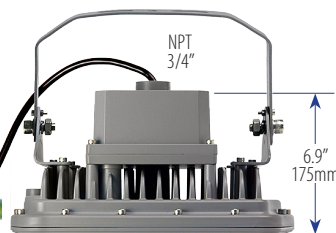
100 Watts
Replaces HPS/MH Luminaires up to 400W

EPL002-100W-XPW-101W

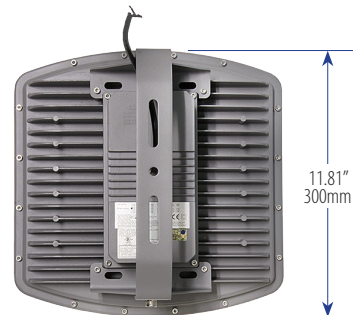
Input Power	100.25 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)
Input Current	0.85A
Power Factor	0.949
Lumens	11701.6 lm
Luminous Efficacy	116.72 lm/W
Max. Candela	3476 cd
CRI	73.6
Emitted Color	Pure White
Color Temperature	5169K
Illumination Angle	120°
Dimmability	Not Dimmable
Operating Temperature	-22°F ~+122°F / -30°C ~+50°C
Housing	Die-Cast Aluminum / Gray Color
Lens	Super-Clear Tempered Glass
Hazardous Location Grade	Class 1, Division 2, Groups A, B, C & D
Protection Rating	IP68 (Dust-tight, long-term liquid immersion)
Dimensions	L 11.81 x W 11.81 x H 6.9 inch L 300 x W 300 x H 175 mm
Weight	16.5 lbs / 7.5 Kg



SIDE VIEW

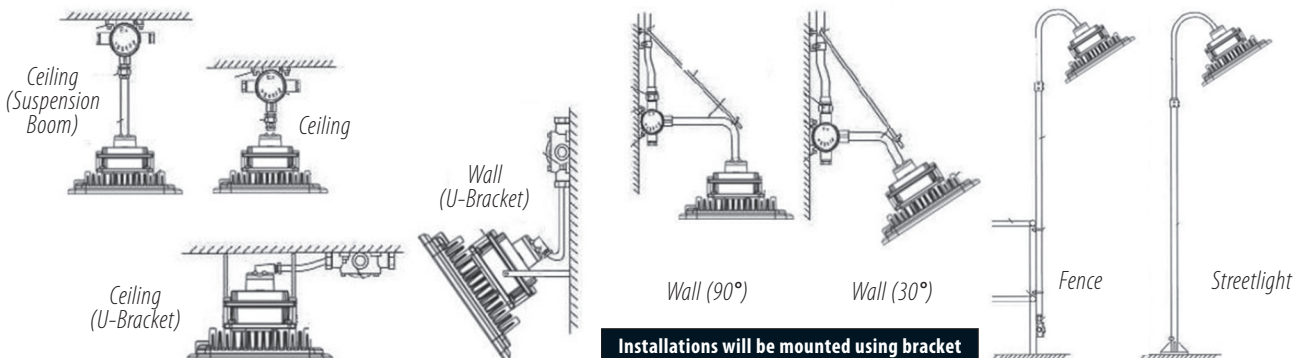


FRONT VIEW



BACK VIEW

TYPICAL INSTALLATION METHODS



**Adjustable Yoke-Bracketed
for Ceiling or Wall
Mounting**



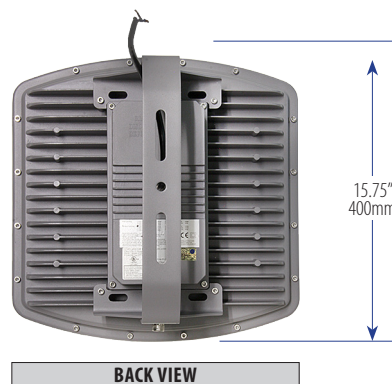
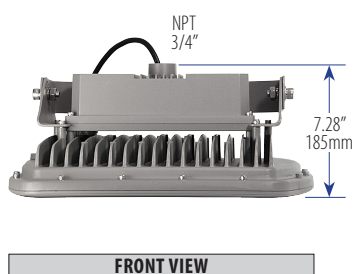
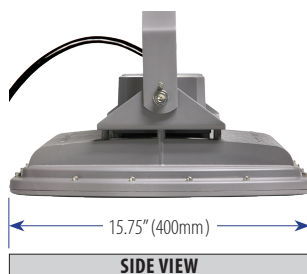
**IP68
Protection Rated**



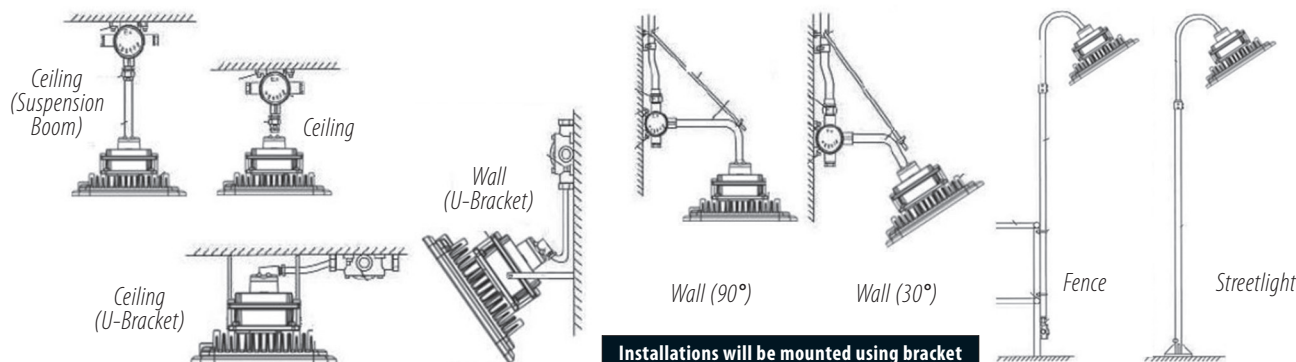
185 Watts
Replaces HPS/MH Luminaires up to 700W

EPL003-200W-XPW-101W

Input Power	185.23 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)
Input Current	1.57A
Power Factor	0.942
Lumens	21313.4 lm
Luminous Efficacy	115.06ww lm/W
Max. Candela	6405 cd
CRI	72.6
Emitted Color	Pure White
Color Temperature	5712K
Illumination Angle	120°
Dimmability	Not Dimmable
Operating Temperature	-22°F ~ +122°F / -30°C ~ +50°C
Housing	Die-Cast Aluminum / Gray Color
Lens	Super-Clear Tempered Glass
Hazardous Location Grade	Class 1, Division 2, Groups A, B, C & D
Protection Rating	IP68 (Dust-tight, long-term liquid immersion)
Dimensions	L 15.75 x W 15.75 x H 7.28 inch L 400 x W 400 x H 185 mm
Weight	22.9 lbs / 10.4 Kg



TYPICAL INSTALLATION METHODS



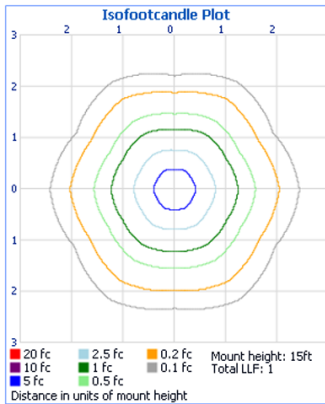
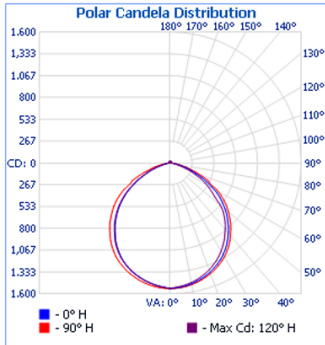
Installations will be mounted using bracket

Luminaire Photometric Report

Filename: EPL001-040W-XPW-101W
 Manufacturer: LEDTRONICS
 Luminaire: CLEAR LENS, 40W, 120 VAC
 Lamp Output: 1 lamp(s), rated Lumens/lamp: 4083.59
 Max Candela: 1,537.3 at Horizontal: 120°, Vertical: 0°
 Luminous Opening: Point
 Test Date: 07-07-2015
 Photometry: Type C
 CIE Class: Direct
 Cutoff Class: Cutoff
 Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	144.7	3.5%	90-100	7.9	0.2%
10-20	414.3	10.1%	100-110	10.6	0.3%
20-30	629.7	15.4%	110-120	12.6	0.3%
30-40	756.5	18.5%	120-130	13.3	0.3%
40-50	770.6	18.9%	130-140	12.8	0.3%
50-60	655.9	16.1%	140-150	11.3	0.3%
60-70	430.5	10.5%	150-160	8.8	0.2%
70-80	173.2	4.2%	160-170	5.6	0.1%
80-90	22.1	0.5%	170-180	1.9	0%



Illuminance at a Distance

Center Beam FC	Beam Width
2.5R	245.87 fc
5.0R	61.47 fc
7.5R	27.32 fc
10.0R	15.37 fc
12.5R	9.83 fc
15.0R	6.83 fc

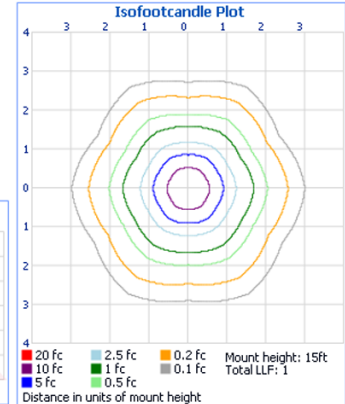
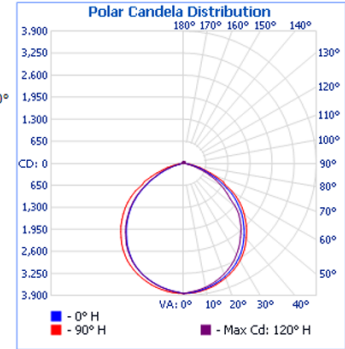
Vert. Spread: 105.3° Horiz. Spread: 112.4°

Luminaire Photometric Report

Filename: EPL002-100W-XPW-101W
 Manufacturer: ledtronics
 Lamp: CLEAR LENS, 100W, 120VAC
 Lamp Output: 1 lamp(s), rated Lumens/lamp: 10206
 Max Candela: 3,843.3 at Horizontal: 120°, Vertical: 0°
 Luminous Opening: Point
 Test Date: 7-1-2015
 Photometry: Type C
 CIE Class: Direct
 Cutoff Class: Cutoff
 Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	361.8	3.5%	90-100	19.7	0.2%
10-20	1,035.7	10.1%	100-110	26.5	0.3%
20-30	1,574.3	15.4%	110-120	31.6	0.3%
30-40	1,891.3	18.5%	120-130	33.2	0.3%
40-50	1,926.6	18.9%	130-140	31.9	0.3%
50-60	1,639.9	16.1%	140-150	28.2	0.3%
60-70	1,076.4	10.5%	150-160	22.1	0.2%
70-80	432.9	4.2%	160-170	14.0	0.1%
80-90	55.2	0.5%	170-180	4.8	0%



Illuminance at a Distance

Center Beam FC	Beam Width
2.5R	614.68 fc
5.0R	153.67 fc
7.5R	68.30 fc
10.0R	38.42 fc
12.5R	24.59 fc
15.0R	17.07 fc

Vert. Spread: 105.3° Horiz. Spread: 112.4°

APPLICATIONS

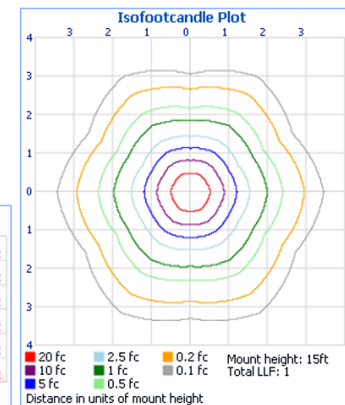
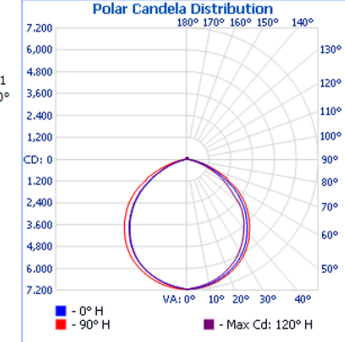


Luminaire Photometric Report

Filename: EPL003-200W-XPW-101W
 Manufacturer: LEDTRONICS
 Lamp: CLEAR LENS, 200W, 120VAC
 Lamp Output: 1 lamp(s), rated Lumens/lamp: 18983.1
 Max Candela: 7,148.4 at Horizontal: 120°, Vertical: 0°
 Luminous Opening: Point
 Test Date: 7-1-2015
 Photometry: Type C
 CIE Class: Direct
 Cutoff Class: Cutoff
 Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	672.9	3.5%	90-100	36.6	0.2%
10-20	1,926.3	10.1%	100-110	49.4	0.3%
20-30	2,928.2	15.4%	110-120	58.7	0.3%
30-40	3,517.9	18.5%	120-130	61.7	0.3%
40-50	3,583.4	18.9%	130-140	59.4	0.3%
50-60	3,050.1	16.1%	140-150	52.5	0.3%
60-70	2,002.1	10.5%	150-160	41.0	0.2%
70-80	805.2	4.2%	160-170	26.0	0.1%
80-90	102.8	0.5%	170-180	8.9	0%



Illuminance at a Distance

Center Beam FC	Beam Width
2.5R	1,143.31 fc
5.0R	285.83 fc
7.5R	127.03 fc
10.0R	71.46 fc
12.5R	45.73 fc
15.0R	31.76 fc

Vert. Spread: 105.3° Horiz. Spread: 112.4°

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 America's Premium Brand LED Company™

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