

# LED Explosion-Proof & Wet Location Lighting

UL - 40, 100 & 200 Watts - 100 to 277VAC - 5700K - 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: Dustproof, Waterproof
- UL844/E475887, cUL - Suitable for Hazardous Locations
- Adjustable Yoke-Bracketed for Ceiling or Wall Mounting
- 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
- Eco-Friendly - RoHS Compliant
- LM80-Certified, High-Efficacy & High-Lumen LED Chips

## 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 30 Years of LEDtronics Design,  
Engineering & Manufacturing Experience

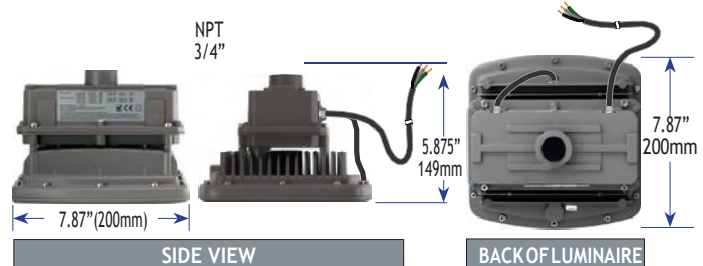
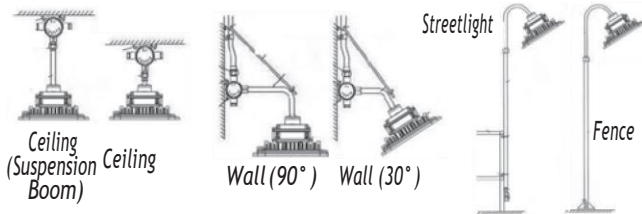
40 Watts  
Replaces HPS/MH  
Luminaires up to 150W



IP68  
Protection Rated

Input Power	40 Watts
Input Voltage	100-277VAC
Input Current	0.350A
Power Factor	0.98
Nominal Lumens	4800 lm
Luminous Efficacy	120 lm/W
CRI	Ra=70
Emitted Color	Pure White
Color Temperature	5700K
Illumination Angle	120° x120°
Operating Temperature	-22° F ~+122° F / -30° C ~+50° C
Housing	Die-Cast Aluminum / Gray Color
Lens	Super-Clear Tempered Glass
Explosion-Proof Grade	Class 1, Division 2, Groups A, B, C & D
Protection Rating	IP68 (Dust-tight, long-term liquid immersion)
Dimensions	L 7.87 x W 7.87 x H 5.875 inch L 200 x W 200 x H 149 mm
Weight	8.82 lbs / 4 Kg

## TYPICAL INSTALLATION METHODS





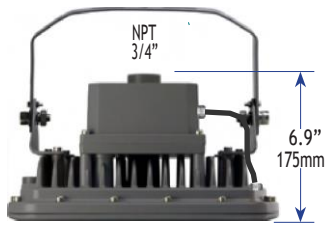
**IP68  
Protection Rated**

**100 Watts**  
*Replaces HPS/MH  
Luminaires 300 to 350W*

<b>Input Power</b>	100 Watts
<b>Input Voltage</b>	100-277VAC
<b>Input Current</b>	0.350A
<b>Power Factor</b>	0.98
<b>Nominal Lumens</b>	12,000 lm
<b>Luminous Efficacy</b>	120 lm/W
<b>CRI</b>	Ra=70
<b>Emitted Color</b>	Pure White
<b>Color Temperature</b>	5700K
<b>Illumination Angle</b>	120° x120°
<b>Operating Temperature</b>	-22° F --+122° F / -30° C --+50° C
<b>Housing</b>	Die-Cast Aluminum / Gray Color
<b>Lens</b>	Super-Clear Tempered Glass
<b>Explosion-Proof Grade</b>	Class1, Division2, Groups A, B, C & D
<b>Protection Rating</b>	IP68 ( <i>Dust-tight, long-term liquid immersion</i> )
<b>Dimensions</b>	L 11.81 x W 11.81 x H 6.9 inch L 300 x W 300 x H 175 mm
<b>Weight</b>	17.64 lbs / 8 Kg

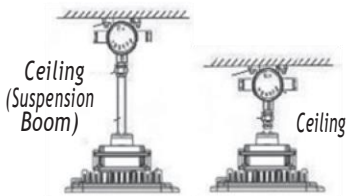


**SIDE VIEW**



**BACK OF LUMINAIRE**

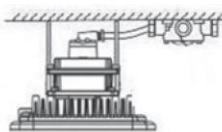
### TYPICAL INSTALLATION METHODS



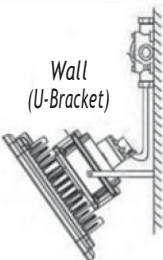
**Ceiling  
(Suspension  
Boom)**



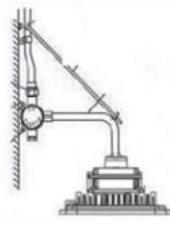
**Ceiling**



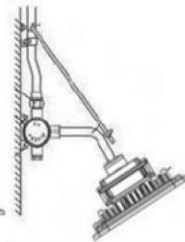
**Ceiling  
(U-Bracket)**



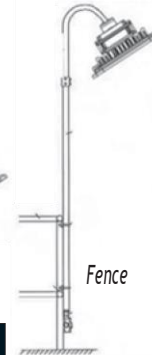
**Wall  
(U-Bracket)**



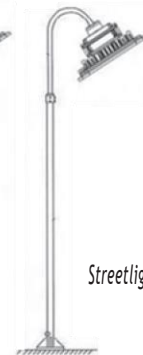
**Wall (90°)**



**Wall (30°)**



**Fence**



**Streetlight**

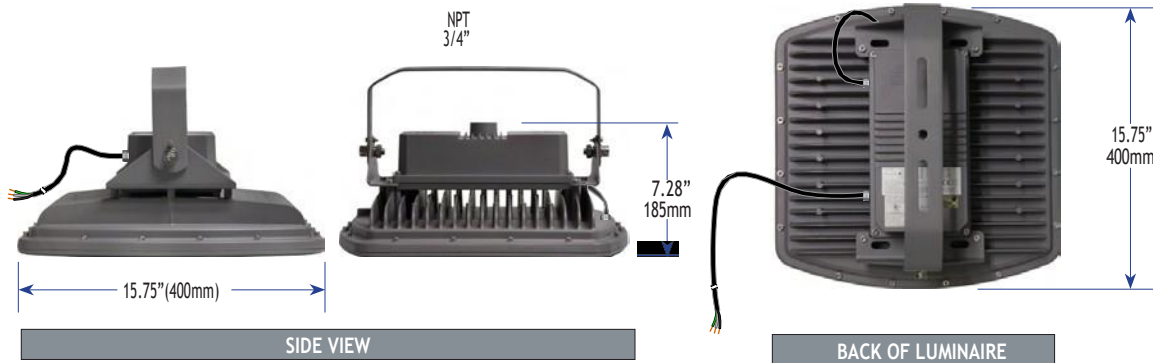
**Installations will be mounted using bracket**



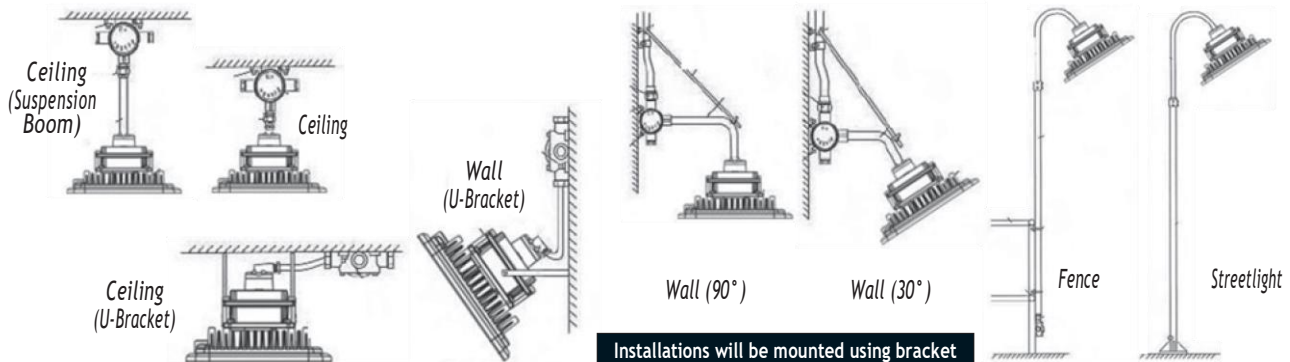
**IP68**  
**Protection Rated**

**185 Watts**  
**Replaces HPS/MH**  
**Luminaires 700 to 1000W**

<b>Input Power</b>	185 Watts
<b>Input Voltage</b>	100-277VAC
<b>Input Current</b>	0.350A
<b>Power Factor</b>	0.98
<b>Nominal Lumens</b>	22,200 lm
<b>Luminous Efficacy</b>	120 lm/W
<b>CRI</b>	Ra=70
<b>Emitted Color</b>	Pure White
<b>Color Temperature</b>	5700K
<b>Illumination Angle</b>	120° x120°
<b>Operating Temperature</b>	-22° F --+122° F / -30° C --+50° C
<b>Housing</b>	Die-Cast Aluminum / Gray Color
<b>Lens</b>	Super-Clear Tempered Glass
<b>Explosion-Proof Grade</b>	Class1, Division2, GroupsA, B, C & D
<b>Protection Rating</b>	IP68 ( <i>Dust-tight, long-term liquid immersion</i> )
<b>Dimensions</b>	L 15.75 x W 15.75 x H 7.28 inch L 400 x W 400 x H 185 mm
<b>Weight</b>	25.35 lbs / 11.5 Kg



### TYPICAL INSTALLATION METHODS





## 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%

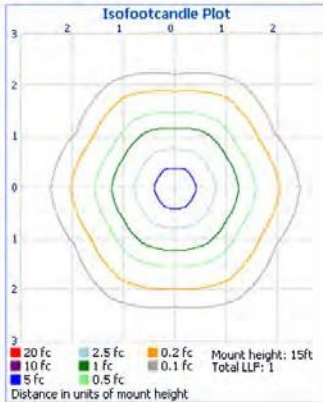
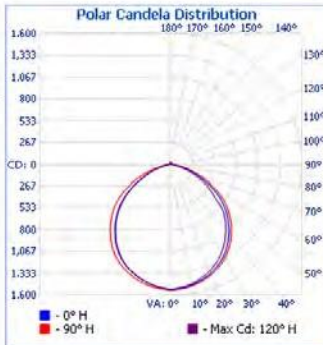
### Illuminance at a Distance

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

Beam Width	Mount height: 15ft
6.6ft	7.5ft
13.1ft	14.9ft
19.7ft	22.4ft
26.2ft	29.9ft
32.8ft	37.3ft
39.3ft	44.8ft

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%

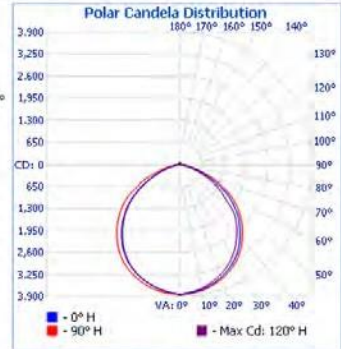
### Illuminance at a Distance

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

Beam Width	Mount height: 15ft
6.6ft	7.5ft
13.1ft	14.9ft
19.7ft	22.4ft
26.2ft	29.9ft
32.8ft	37.3ft
39.3ft	44.8ft

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
2.5ft	1,143.31 fc
5.0ft	285.83 fc
7.5ft	127.03 fc
10.0ft	71.46 fc
12.5ft	45.73 fc
15.0ft	31.76 fc

Beam Width	Mount height: 15ft
6.6ft	7.5ft
13.1ft	14.9ft
19.7ft	22.4ft
26.2ft	29.9ft
32.8ft	37.3ft
39.3ft	44.8ft

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

