

# PSTA

## Hazardous Location LED Luminaire

### Product Description

The PSTA Series LED Luminaire can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC. The PSTA Series is rated for Class 1 Division 1; Class 1, Division 2; Class 2, Division 2; Class 3 applications. The copper free cast aluminum housing allows for cool operating temperatures. L70=150,000 hours.

### Features:

- High Efficacy: up to 140lm/W
- IP66
- Input Voltage 120–277V or 347–480V, 12-24V DC
- Ambient Temp
  - 120V = -40°C - 40°C
  - 277V = -40°C - 55°C
- L70 Rating of 150,000 hours
- Variable optics: 40° 60° 90° 120° (for uniform illumination)
- Lumen Output: 2800lm - 39,200lm
- Standard Pendant Mt
- Copper free aluminum
- Standard U-Bracket
- Battery Back up (100-280W)
- Standard 2ft cable out of 3/4" threaded hub on top

### Applications:

- Coal & Dust Storage
- Petroleum Refineries
- Ethanol Facilities
- Chemical Plants
- Waste Water & Water Treatment Plants
- Power Generation Plants
- Distillery, Alcohol Industry

### Warranty:

- 5-year and 10-year warranties available. Please specify when selecting a part number.

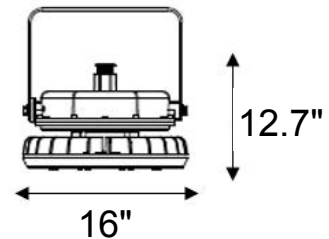
**Note:** Actual performance may differ as a result of end-user environment and application.



BAA and TAA available. Contact factory for more information and pricing.



### Product Dimensions



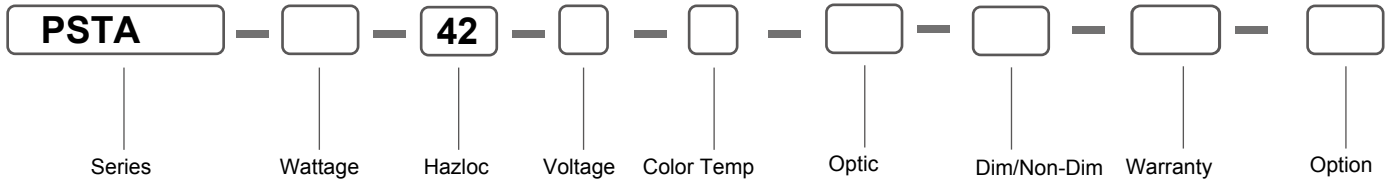
### EMERGENCY BACK UP (100-280W)

EMERGENCY BACK UP AVAILABLE,  
NO ADDITIONAL SPACE REQUIRED

### Compliance & Listing:

- Class I, Division 1, Groups C & D
- Class I, Division 2, Groups A, B, C & D
- Class II, Division 1, 2, Groups E, F & G
- Class III
- UL 844 Hazardous Locations
- UL 1598 Wet Locations
- UL 1598A Marine Outside
- UL 8750 LED Safety
- CSA C22.2 No. 250.0-08
- CSA C22.2 No. 137-M1981
- IP66
- DLC Listed
- CNEX
- ATEX
- IECEX
- ATEX

## Ordering Information and Mounting Accessories



SERIES	WATTAGE	HAZLOC	VOLTAGE	COLOR TEMP	OPTIC	DIM/NON-DIM	WARRANTY
PSTA	6=60W 8=80W 10=100W 15=150W 20=200W 25 = 250W 28 = 280W	42=C1D1	A=AC100-277V B=AC277-480V C = 12-48vdc	I= 4000K C= 5000K (std) K= 6000K	M=40° N= 60° O= 90° P= 100° Q= 110° R= 120° (STD)	D=Dimmable ND=Non-Dimmable (STD)	5Y = Five Year Std 10Y* = Ten Year Warranty*

- OPTION
- OPDPS=25° Stanchion
  - OPPS=90° Stanchion
  - OPWA=25° Wall Mount
  - OPCB=90° Wall Mount
  - OPPP=Pendant Mount
  - OPDPP=120 Pendant
  - OPEB=Junction Box
  - OPC= 47'Conduit
  - OPGG= Globe & Wire Guard
  - OPDR= Dome Reflector
  - OPAR=Angle Reflector
  - EM = Battery Backup (100-280W)
  - BAA\*\* = Buy American Act Compliant\*\*
  - TAA\*\* = Trade Agreements Act Compliant\*\*
- \*\*Please contact factory for BAA and TAA options.

## Mounting Configuration and Accessories

### Ceiling Mounted Bracket



Side View

Top View

\*\*Ceiling mounted bracket comes standard with the Moon, PSTA, Venus, Space and Mars Series.\*\*

### 25° Stanchion



### 90° Stanchion



\*\*Stanchion mount can be used with the Moon, PSTA, Venus, Space and Mars Series.\*\*

Mounting Configuration and Accessories Cont.

**Explosion Proof Junction Box**



\*\* EX-JBOX can be used with the Moon, PSTA, Venus, Space and Mars Series.\*\*

**Conduit 47(in)**



**25° Wall Mount**



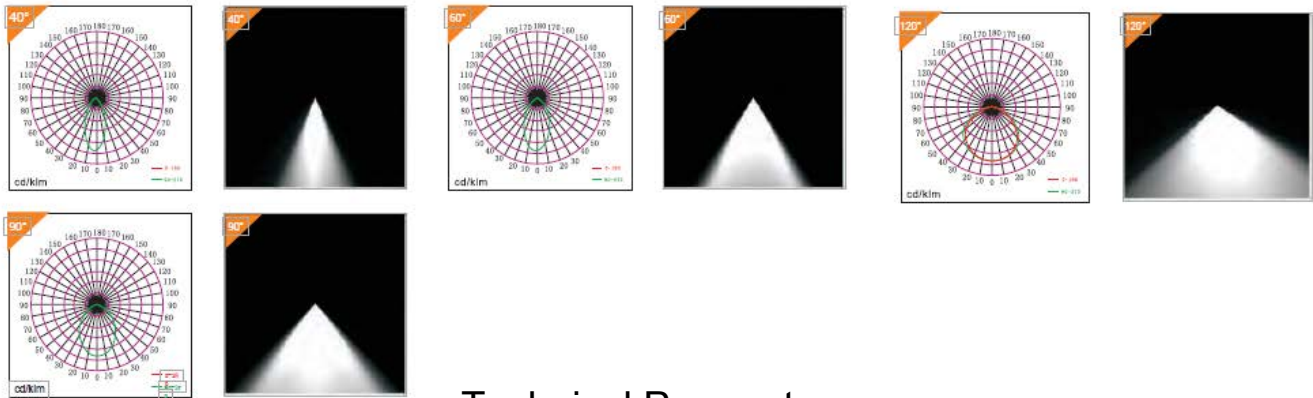
\*\*25 wall mount can be used with the Moon, PSTA, Venus, Space and Mars Series.\*\*

**90° Wall Mount**



\*\*90 wall mount can be used with the Moon, PSTA, Venus, Space and Mars Series.\*\*

**Photometric**



**Technical Parameter**

Item No.	PSTA-6	PSTA-8	PSTA-10	PSTA-15	PSTA-20	PSTA-22
Power Input	60W	80W	100W	150W	200W	220W
Voltage	120-277V OR 347-480V					
Lumen Light	8,400	11,200	14,000	21,000	28,000	30,800
Efficiency	140lm/W					
CCT	4000K / 5000K					
CRI	>70					
IP	IP66					
Certification	ETL listed, UL844, UL 1598, UL 1598A, CSA standard, ABS, ATEX, IECEx certified, IP 66					

## Class I Locations

Class I locations are those in which inflammable gases or vapors are or may be present in sufficient quantities to produce explosive or flammable mixtures.

### CLASS I, DIVISION 1

Class I, Division 1 locations are where hazardous atmosphere may be present during normal operations. It may be present continuously, intermittently, periodically or during normal repair or maintenance operations, or those areas where a breakdown in processing equipment releases hazardous vapors with the simultaneous failure of electrical equipment.

### CLASS I, DIVISION 2

Class I, Division 2 locations are those in which volatile flammable liquids or gases are handled, processed or used. Normally they will be confined within closed containers or in closed systems from which they can escape only in the case of rupture or deterioration of the containers or systems.

## Class II Locations

Class II locations are those that are hazardous because of the presence of combustible dust.

### CLASS II, DIVISION 1

Class II, Division 1 locations include areas where combustible dust may be in suspension in the air under normal conditions in sufficient quantities to produce explosive or ignitable mixtures (Dust may be emitted into the air continuously, intermittently or periodically), or where failure or malfunction of equipment might cause a hazardous location to exist and provide an ignition source with the simultaneous failure of electrical equipment, included also are locations in which combustible dust of an electrically conductive nature may be present.

### CLASS II, DIVISION 2

Class II, Division 2 locations are those in which combustible dust will not normally be in suspension nor will normal operations put dust in suspension, but where accumulation of dust may interfere with heat dissipation from electrical equipment or where accumulations near electrical equipment may be ignited.

## Class III Locations

Class III locations are those considered hazardous due to the presence of easily ignitable fibers or flyings, which are in quantities sufficient to produce ignitable mixtures.

### CLASS III, DIVISION 1

Locations in which easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

### CLASS III, DIVISION 2

Locations where easily ignitable fibers are stored or handled.