

**Series A** Uses - Flood Light, Low Bay, Tunnel Light *(Stock configurations: 60W, 80W, 100W 5000K, non-dimming, 120° beam angle)*



- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0 Class I, Division 2, Groups - A,B,C,D Class II, Division 1 & 2, Groups E,F,G Class III
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

Input	A Size (in)	A2 Size (in)	A3 Size (in)
AC100-277V models	12.6x9.4x6.5	10.4x6.3x8.08	15x9.05x10.6
AC200-480V models	12.6x9.4x6.5	10.4x6.3x8.08	15x9.05x10.6

Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-20W A2YZDA	20	4000K-5700K	AC100-277V or AC200-480V	2800	5 years	70
EL-HZ-40W A2YZDA	40	4000K-5700K	AC100-277V or AC200-480V	5600	5 years	70
EL-HZ-60W AYZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EL-HZ-80W AYZDA	80	4000K-5700K	AC100-277V or AC200-480V	11200	5 years	70
EL-HZ-100W AYZDA	100	4000K-5700K	AC100-277V or AC200-480V	14000	5 years	70
EL-HZ-150W A3YZDA	150	4000K-5700K	AC100-277V or AC200-480V	21000	5 years	70
EL-HZ-200W A3YZDA	200	4000K-5700K	AC100-277V or AC200-480V	28000	5 years	70

\*A, A2, A3=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 40°, 60°, 90°, 120°

**Series B** Uses - Spotlight, Tunnel Light, Downlight *(Stock configurations: 60W, 80W, 5000K, non-dimming, 120° beam angle)*

Choose Spherical Glass Diffuser or Flood Light, Optional Wire Guard, Dome Reflector, Angle Reflector



- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0 Class I, Division 2, Groups - A,B,C,D Class II, Division 1 & 2, Groups E,F,G Class III
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

Input	B Size(in)	B2 Size(in)	B3 Size(in)
AC100-277V models	∅ 10.6x6.5/15.5	∅ 9.2x9/14	∅ 14.6x11.4/18.8
AC200-480V models	∅ 10.6x6.5/15.5	∅ 9.2x9/14	∅ 14.6x11.4/18.8

Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-20W B2YZDA	20	4000K-5700K	AC100-277V	2800	5 years	70
EL-HZ-40W B2YZDA	40	4000K-5700K	AC100-277V	5600	5 years	70
EL-HZ-60W BYZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EL-HZ-80W BYZDA	80	4000K-5700K	AC100-277V or AC200-480V	11200	5 years	70
EL-HZ-100W B3YZDA	100	4000K-5700K	AC100-277V or AC200-480V	14000	5 years	70
EL-HZ-150W B3YZDA	150	4000K-5700K	AC100-277V or AC200-480V	21000	5 years	70
EL-HZ-200W B3YZDA	200	4000K-5700K	AC100-277V or AC200-480V	28000	5 years	70

\*B, B2, B3=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 40°, 60°, 90°, 120°  
\*A=C or Blank": Long glass cover or non long glass cover

**Series C** Uses - High Bay, Floodlight

*(Stock configurations: 100W, 150W 5000K, non-dimming, 120° beam angle)*

Optional Dome Reflector, Angle Reflector



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- CSA C22.2 No.137/No.250.0 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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

Input	Size (in)
AC100-277V models	∅16x13.4
AC200-480V models	∅16x13.4

Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-60W CYZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EL-HZ-80W CYZDA	80	4000K-5700K	AC100-277V or AC200-480V	11200	5 years	70
EL-HZ-100W CYZDA	100	4000K-5700K	AC100-277V or AC200-480V	14000	5 years	70
EL-HZ-150W CYZDA	150	4000K-5700K	AC100-277V or AC200-480V	21000	5 years	70

\*"Y"=D or N:Dimmable or non-dimmable "Z"=Color temperature:4000K-5700K  
\*D"=Beam angle: 40°, 60°, 90°, 120° "A"=C or Blank":Long glass cover or non long glass cover

## Series D Uses - High Bay, Floodlight

(Stock configurations: 100W, 150W  
5000K, non-dimming, 120° beam angle)



Input	D Series Size(in)	D2 Series Size(in)
AC100-277V models	15.7X11.3X10	11.6x11.6x9.55
AC200-480V models	15.7X11.3X10	11.6x11.6x9.55

Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-20W D2YZDA	20	4000K-5700K	AC100-277V or AC200-480V	2800	5 years	70
EL-HZ-40W D2YZDA	40	4000K-5700K	AC100-277V or AC200-480V	5600	5 years	70
EL-HZ-60W D2YZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EL-HZ-80W D2YZDA	80	4000K-5700K	AC100-277V	11200	5 years	70
EL-HZ-80W DYZDA	80	4000K-5700K	AC100-277V or AC200-480V	11200	5 years	70
EL-HZ-100W DYZDA	100	4000K-5700K	AC100-277V or AC200-480V	14000	5 years	70
EL-HZ-150W DYZDA	150	4000K-5700K	AC100-277V or AC200-480V	21000	5 years	70
EL-HZ-180W DYZDA	180	4000K-5700K	AC100-277V or AC200-480V	25200	5 years	70

"D, D2"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 40°, 60°, 90°, 120°

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- UL1598/UL1598A/UL844
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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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

## Series E Uses - Spotlight, Tunnel Light, Downlight

(Stock configurations: 100W, 150W  
5000K, non-dimming, 120° beam angle)



Choose Spherical Glass Diffuser or Flood Light, Optional Wire Guard, Dome Reflector, Angle Reflector

Input	Size (in)
AC90-305V models	Ø14x 12/23

Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-40W EYZDA	40	4000K-5700K	AC90-295V	5600	5 years	70
EL-HZ-60W EYZDA	60	4000K-5700K	AC90-295V	8400	5 years	70
EL-HZ-80W EYZDA	80	4000K-5700K	AC90-305V	11200	5 years	70
EL-HZ-100W EYZDA	100	4000K-5700K	AC90-305V	14000	5 years	70
EL-HZ-120W EYZDA	120	4000K-5700K	AC90-305V	16800	5 years	70

"E"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 40°, 60°, 90°, 120°

"A"=C or Blank": Long glass cover or non long glass cover

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0  
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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

## Series F Uses - Spotlight, Tunnel Light, Downlight

(Stock configurations: 80W, 5000K,  
non-dimming, 120° beam angle)



Optional Wire Guard, Dome Reflector, Angle Reflector

Input	Size (in)
AC100-277V models	11.5x11.5x16.1
AC200-480V models	11.5x11.5x16.1

Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-40W FYZDA	40	4000K-5700K	AC100-277V or AC200-480V	5600	5 years	70
EL-HZ-60W FYZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EL-HZ-80W FYZDA	80	4000K-5700K	AC100-277V or AC200-480V	11200	5 years	70

"F"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 40°, 60°, 90°, 120°

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0  
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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

**Series G** Uses - Wall Mount, Low Bay

(Stock configurations: 30W, 40W 5000K, non-dimming, 120° beam angle)



Choose Spherical Glass Diffuser or Flood Light, Optional Wire Guard, Dome Reflector, Angle Reflector

Input	Size (in)
AC100-277V models	6.8x6.8x16.1

Product Number	Wattage	Color	Voltage	Lumens	Working Hours	CRI
EL-HZ-10W GYZDA	10	4000K-5700K	AC100-277V	1000	5 years	70
EL-HZ-20W GYZDA	20	4000K-5700K	AC100-277V	2000	5 years	70
EL-HZ-30W GYZDA	30	4000K-5700K	AC100-277V	3000	5 years	70
EL-HZ-40W GYZDA	40	4000K-5700K	AC100-277V	5600	5 years	70

"G"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 40°, 60°, 90°, 120°  
"A"=C or Blank": Long glass cover or non long glass cover

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0 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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

**Series H** Uses - Low Bay, Task Lighting Available in 2ft and 4ft fixtures

Input	2ft Size(in)	4ft Size(in)
AC100-277V models	24x4.7x9.5	47x4.7x9.5
AC200-480V models	24x4.7x9.5	47x4.7x9.5

(Non-stock model)



Product Number	Wattage	Color	Voltage	Lumens	Working Hours	CRI
EL-HZ-10W H2YZD	10	4000K-5700K	AC100-277V or AC200-480V	1400	5 years	70
EL-HZ-20W H2YZD	20	4000K-5700K	AC100-277V or AC200-480V	2800	5 years	70
EL-HZ-30W H2YZD	30	4000K-5700K	AC100-277V or AC200-480V	4200	5 years	70
EL-HZ-40W H4YZD	40	4000K-5700K	AC100-277V or AC200-480V	5600	5 years	70
EL-HZ-50W H4YZD	50	4000K-5700K	AC100-277V or AC200-480V	7000	5 years	70
EL-HZ-60W H4YZD	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70

"H"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000-5700K "D"=Beam angle: 120°

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0 Class I, Division 2,Groups - A,B,C,D Class II, Division 1 & 2,Groups E,F,G Class III
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

**Series I** Uses - Low Bay, Task Lighting Available in 2ft and 4ft fixtures

Input	Size(in)	Size(in)
AC100-277	23.5x5.5x8	47x5.5x8
AC200-480	23.5x5.5x8	47x5.5x8

(Stock configurations: 4ft., 80W 5000K, non-dimming, 120° beam angle)



Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EL-HZ-30W I2YZD	30W	4000K-5700K	AC100-277/200-480V	4200	5 years	70
EL-HZ-40W I2YZD	40W	4000K-5700K	AC100-277/200-480V	5600	5 years	70
EL-HZ-60W I4YZD	60W	4000K-5700K	AC100-277/200-480V	8400	5 years	70
EL-HZ-80W I4YZD	80W	4000K-5700K	AC100-277/200-480V	11200	5 years	70

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0 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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

## Series J Emergency exit sign with battery back-up

Input	Size (in)
AC100-277V models	24x5.4x3.5

(Non-stock model)



Product Number	Wattage	Color	Voltage	Working Hours	Illumination Time
EL-HZ-3W JYZD	3W	RED	AC100-277V	5 years	3 hours
EL-HZ-7W JYZD	7W	RED	AC100-277V	5 years	3 hours
EL-HZ-11W JYZD	11W	RED	AC100-277V	5 years	3 hours

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0  
Class I, Division 2, Groups A,B,C,D  
Class II, Division 1 & 2, Groups E,F,G  
Class III
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

## Series L Portable Emergency Lighting

Input	Size (in)
AC100-277V models	Ø5"20

(Non-stock model)



Product Number	Wattage	Color	Voltage	Lumens	Working Hours	CRI
EL-HZ-6W LYZD	6	4000K-5700K	AC100-277V	720	5 years	70
EL-HZ-8W LYZD	8	4000K-5700K	AC100-277V	960	5 years	70
EL-HZ-10W LYZD	10	4000K-5700K	AC100-277V	1200	5 years	70

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0  
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
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide

## Series M Pole or wall mounted outdoor area lighting for hazardous locations

Input	1-Module	2-Modules	3-Modules
AC100-277V models	24"x12"x6"	24"x12"x6"	24"x14"x6"
AC200-480V models	24"x12"x6"	24"x12"x6"	24"x14"x6"

(Non-stock model)



Product Number	Wattage	Color	Voltage	Lumens	Working Hours	CRI
EL-HZ-60W MYZD	60W	4000K-5700K	AC100-277V or AC200-480V	7,800	5 years	70
EL-HZ-100W MYZD	100W	4000K-5700K	AC100-277V or AC200-480V	13,000	5 years	70
EL-HZ-150W MYZD	150W	4000K-5700K	AC100-277V or AC200-480V	19,500	5 years	70
EL-HZ-250W MYZD	250W	4000K-5700K	AC100-277V or AC200-480V	32,500	5 years	70

- NEMA 4X, IP66
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/No.250.0  
Class I, Division 2, Groups - A,B,C,D  
Class II, Division 1 & 2, Groups E,F,G  
Class III
- Marine and Wet Locations
- IECEX
- ATEX

\*See attached Classification Guide



## Hazardous Classification Guide

### Class I Hazardous Locations Lighting Fixtures

Class I hazardous locations lighting fixtures are housed in enclosures designed to contain any explosion that might occur if hazardous vapors were to enter the area and ignite. These lighting fixtures are also designed to cool and vent the products of this explosion as to prevent the surrounding environment from exploding. The lighting fixtures used in Class I hazardous locations must be able to contain an explosion as well as maintain a surface temperature lower than the ignition temperature of the surrounding hazardous atmosphere.

### Class II Hazardous Locations Lighting Fixtures

Class II hazardous locations lighting fixtures are designed to seal out dust. The lighting fixtures are not intended to contain an internal explosion, but rather to eliminate the source of ignition so no explosion can occur within the enclosure. These enclosures are also tested to make sure they do not overheat when totally covered with dust, lint or filings.

### SUMMARY OF CLASS I, II, III HAZARDOUS LOCATIONS

<u>CLASSES</u>	<u>GROUP</u>	<u>DIVISIONS</u>	
		1	2
I Gasses, Vapors and Liquids (Art. 501)	A. Acetylene B. Hydrogen, etc. C. Ether, etc. D. Hydrocarbons, Fuels, Solvents, etc.	Normally explosive and hazardous.	Not normally present in an explosive concentration (but may accidentally exist).
	E. Metal Dusts (conductive* and explosive) F. Carbon Dusts (Some are conductive* and all are explosive) G. Flour, Starch, Grain, Combustible Plastic or Chemical Dust (explosive)		
II Dusts (Art. 502)		Ignitable quantities of dust that is normally or may be, in suspension or conductive dust may be present.	Dust not normally suspended in an ignitable concentration (but may accidentally exist). Dust layers are present.
III Fibers and Filings (Art. 503)	Textiles, Woodworking, etc. (easily ignitable, but not likely to be explosive)	Handled or used in manufacturing.	Stored or handled in storage (exclusive of manufacturing).

\*NOTE: Electrically conductive dusts are dusts with a resistivity less than 105 OHM-centimeter.

### Class I

Hazardous locations or areas where flammable gases or vapors are/could become present in concentrations suitable to produce explosive and/or ignitable mixtures. Class I locations are further divided into 2 divisions:

Class I, Division 1: There are three different situations that could exist to classify an area as a Class I, Division 1 location.

1. When the atmosphere of an area or location is expected to contain explosive mixtures of gases, vapors, or liquids during normal working operations. (This is the most common Class I, Div. 1)
2. An area where ignitable concentrations frequently exist because of repair or maintenance operations.
3. The release of ignitable concentrations of gases or vapors due to equipment breakdown, while at the same time causing electrical equipment failure.

Class I, Division 2: One of the following three situations must exist in order for an area to be considered a Class I, Division 2 location.

1. An area where flammable liquids and gases are handled, but not expected to be in explosive concentrations. However, the possibility for these concentrations to exist might occur if there was an accidental rupture or other unexpected incident.
2. An area where ignitable gases or vapors are normally prevented from accumulating by positive mechanical ventilation yet could exist in ignitable quantities if there was a failure in the ventilation systems.
3. Areas adjacent to Class I, Division 1 locations where it is possible for ignitable concentrations of gas/vapors to come **into this area because there isn't proper ventilation.**

## Class II

Class II hazardous locations are areas where combustible dust, rather than gases or liquids, may be present in varying hazardous concentrations.

Class II, Division 1: The following situations could exist, making an area become a Class II, Division 1 locations:

1. Where combustible dust is present in the air under normal operating conditions in such a quantity as to produce explosive or ignitable mixtures. This could be on a continuous, intermittent, or periodic basis.
2. Where an ignitable and/or explosive mixture could be produced if a mechanical failure or abnormal machinery operation occurs.
3. Where electrically conductive dusts in hazardous concentrations are present.

Class II, Division 2: Class II, Division 2 locations exist in response to one of the following conditions:

1. Where combustible dust is present but not normally in the air in concentrations high enough to be explosive or ignitable.
2. If dust becomes suspended in the air due to equipment malfunctions and if dust accumulation may become ignitable by abnormal operation or failure of electronic equipment.

Sources: [29 CFR 1910.307 – Hazardous \(classified\) Locations.](#)

UL 1203 – Explosion-Proof and Dust-Ignition-Proof Electrical Equipment.