



LED®

HAZlite™

americanlite®

We light your world™



Safety and reliability have been the cornerstone of our business. Americanlite® is dedicated to meeting customer needs, with engineering solutions, new product development and on-time delivery in every phase of the project. This commitment underpins our proven ability to supply lower cost total system solutions and savings over the entire lifetime of a project.

Americanlite® Hazlite™ fixtures are a family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. UL, cUL and CE certified for use in hazardous locations, providing a single solution for applications around the world. Americanlite® Hazlite™ fixtures are designed to withstand the harshest conditions and operate across your facilities without incidents.

Americanlite® Hazlite™ fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

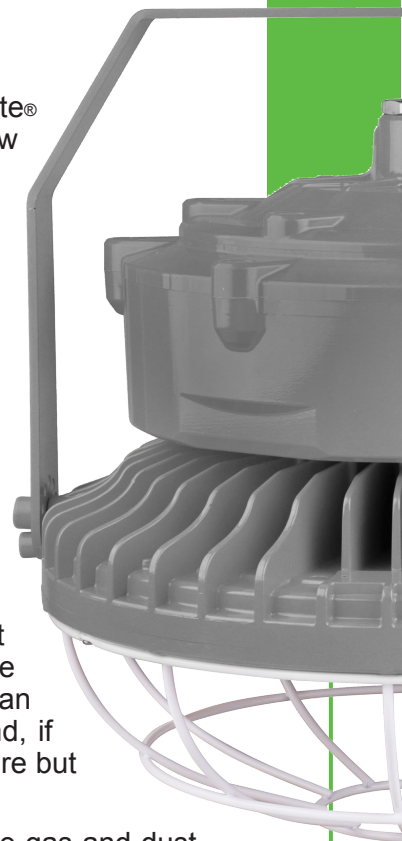
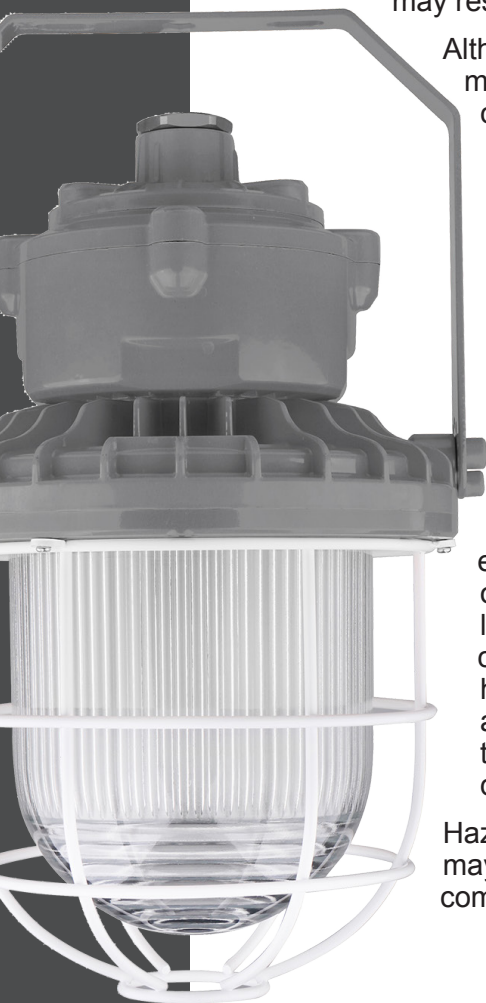
Simply because hazardous location materials are present does not mean that the conditions necessary for an explosion to occur also exist. With explosive materials several other factors must occur simultaneously to result in an explosion. Larger dust particles are often referred to as fibres or flyings and, if sufficient material is present, elevated temperatures may not cause a fire but may result in a flash fire.

Although there is the risk of an explosion with both Explosive gas and dust materials, the factors required for that to occur are somewhat different. In both cases the material needs to mix with air (to provide the oxygen required), be in specific fuel to air concentrations (flammable limits) and then encounter an ignition source with sufficient energy to start an explosion.

In reality, flammable gases and vapors and combustible dusts exist almost everywhere. Fortunately, they are usually present in quantities far less than what is required for a fire or explosion hazard to occur. Therefore, the fact that flammable gases, vapors, or combustible dust may be present of a does not define a hazardous location; materials must be present in sufficient quantities or concentrations that pose a risk that an explosion could occur.

Electrical equipment must be designed and manufactured in such a way that it cannot become a source of ignition when used in an explosive gas atmosphere. The code addresses this by permitting only certain types of equipment to be installed in hazardous locations (either “explosionproof” or “intrinsically safe”). Equipment that is approved for Class I, Division 1, locations has to be specifically manufactured for the intended use and must carry markings to identify that. In Class I, Division 2 locations, certain “non-hazardous” types of equipment, such as terminals and non-sparking motors, are permitted. Equipment specifically built for Class I locations will be marked to indicate where the equipment can be installed. This is discussed in greater detail below.

Hazardous locations are those locations where the risk of a fire or explosion may exist due to the presence of flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flyings.





In the Division System, Hazardous (Classified) Locations are divided into three Classes based on the explosive characteristics of the material. The Classes of material are further divided into “Divisions” or “Zones” based on the probability that the material will be present in sufficient quantities for an explosion could occur. The Zone system has three levels of hazard whereas the Division system has two levels.

Class I, Division 1 Class I, Division 1 locations are defined as those in which hazardous concentrations of flammable gases or vapors exist continuously, intermittently, or periodically under normal operating conditions. This is a very broad definition since there is no times associated with intermittently or periodically which are open to many interpretations. Division 1 also includes area that may exist frequently because of repair or maintenance operation or because of leakage and locations where breakdown or faulty operation of electrical equipment or processes might release ignitable concentrations of flammable gases or vapors, and may also cause simultaneous failure of electrical equipment. An example of such a location might be an area where a flammable liquid is stored under cryogenic conditions. A leak of the extremely low temperature liquid directly onto electrical equipment could cause failure of the electrical equipment at the same time the vapors of the evaporating liquid could be within the flammable range.

Class I Division 2 areas are defined in the code as; “areas where flammable volatile liquids, flammable gases, or vapors are, processed, handled or used, but in which the liquids, gases, or are normally confined within closed containers or closed systems from which they can escape only as a result of accidental rupture or breakdown of the containers or systems or the abnormal operation of the equipment”. Or, where hazardous concentrations of gases or vapors are normally prevented by positive mechanical ventilation, but which may become hazardous as the result of failure or abnormal operation of the ventilating equipment.”

The table below provides a comparison between the “Class/Division” System and the “Zone” System

EXPLOSIVE ATMOSPHERE	DIVISION SYSTEM	ZONE SYSTEM
Gases and Vapors*	Class I	Explosive Gas Atmospheres, Zones 0, 1 and 2
Combustible Dusts	Class II	Explosive Dust Atmospheres Zones 20, 21 and 22
Easily Ignited Fiber & Flyings	Class III	

\* The United States and Canada have incorporated the Zone System of Area Classification for all explosive atmospheres into their Electrical Codes

Division 2 locations also exist around Division 1 locations where there is no barrier or partition to separate the Division 1 space from a non- hazardous location, or where ventilation failure (an abnormal condition) might extend the area where flammable material is present under normal conditions.

## CLASS I LOCATIONS

### DIVISION SYSTEM GAS GROUPS A, B, C, & D

**Group A** -The highest explosion pressures of the materials grouped are generated by acetylene, the only material in Group A. Thus, explosion proof equipment designed for Group A must be very strong to withstand the explosion anticipated, and must have a very small gap between joint surfaces. Explosion proof equipment for Group A is the most difficult to design and there is less explosion proof equipment listed for this group than for any other group.

**Group B** - Group B materials produce explosion pressures somewhat less than acetylene, and the design of explosion proof enclosures for this group is somewhat less rigorous than for Group A enclosures. However, because of the very high explosion pressures in both Groups A and B, and, in particular, the very small gap between mating surfaces needed to prevent propagation of an explosion, there are no explosion proof motors listed for use in either Group A or B locations.

**Group C** - The chemical materials in Group C fall within the range between Groups B and D in both the explosion pressures generated and the gap between mating surfaces of explosion proof equipment that will prevent an explosion.

**Group D** - Group D is the most common group encountered in the field, and there is more equipment available for this group than for any other group.

## HAZFXP™

**Class I, Division 1, Groups C, D, T5/T6**  
**Class I, Division 2, Groups A, B, C, D, T4/T4A/T5**  
**30w/60w/100w/150w/200w**  
**Single Power / Single CCT**  
**CCT/Power Selectable**



The HAZFXP™ floodlight, is an explosion proof led fixture suitable for use in a wide range of indoor and outdoor Class I Division 1 applications.

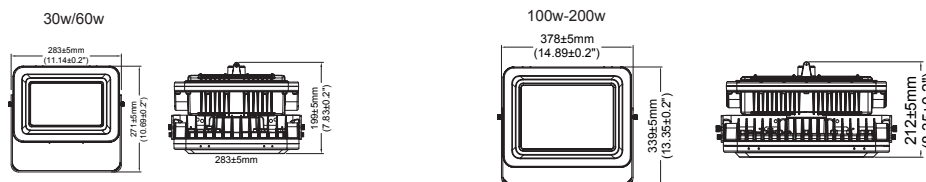
Available in four options, HAZFXP™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZFXP™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, flat clear lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Bridgelux led chip SMD 3030 (1w); fixture entry is 3/4". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZFXP™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 154 l x w, standard 10KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 1, it provides global lighting solutions for a wide range of Industrial, hazardous and explosion proof applications.

HAZFXP™ Series is certified for use in UL, cUL and IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications.

### Dimensions (mm)



### Ordering information

#### Single Power/ Single CCT

Item	Watts	Voltage	Lumens	CCT	Beam	Options
AL570017	30w	120-277	4620	3k	5000K	Blank 110° S Light Shield
AL570018	60w	120-277	9240	3	3000K	B2 23° M Marine Grade
AL570019	100w	120-277	15400	4	4000K	B7 7H6V CE European Certification
AL570020	150w	120-277	23100	57	5700K	
AL570021	150w	277-480	23100	65	6500K	
AL570022	200w	120-277	30800			
AL570017WG	30w	120-277	4620			
AL570018WG	60w	120-277	9240			
AL570019WG	100w	120-277	15400			
AL570020WG	150w	120-277	23100			
AL570021WG	150w	277-480	23100			
AL570022WG	200w	120-277	30800			

#### CCT/Power Selectable

Item	Power	3000K	4000K	5000K	Beam	Options
AL570023	60w	8500	9240	9240	Blank 110°	S Light Shield
	45w	6375	6930	6930	B2 23°	CE EU Certification
	30w	4250	4620	4620	B7 7H6V	
AL570024	200w	28340	30800	30800		
	150w	21250	23100	23100		
	100w	14170	15400	15400		
AL570023WG	60w	8500	9240	9240		
	45w	6375	6930	6930		
	30w	4250	4620	4620		
AL570023WG	200w	28340	30800	30800		
	150w	21250	23100	23100		
	100w	14170	15400	15400		

### Notes

- Certified:
  - 30w = Class I, Division 1, Groups C, D, T6
  - Class I, Division 2, Groups A, B, C, T5
  - 60w = Class I, Division 1, Groups C, D, T6
  - Class I, Division 2, Groups A, B, C, T4
  - 100w/150w = Class I, Division 1, Groups C, D, T6
  - Class I, Division 2, Groups A, B, C, D, T4A
  - 200w = Class I, Division 1, Groups C, D, T5
  - Class I, Division 2, Groups A, B, C, D, T4
- CE = 100-240V
- Ex db IIC T6 Gb / Ex tb IIIC T80°C Db
- Complies with:
  - Class II, Division 1, Groups E, F, G, T5/T6
  - Class II, Division 2, Groups E, F, G, T4/T4A/T5
  - Class III
- Lumens based on 5000K & Beam 110°:
  - 110° = up to 154 lw
  - 23° = up to 135 lw
  - 7H6V = up to 153 lw
- Lumens 3K = - 8%
- 6500K = No DLC
- Lumen Tolerance: ±10%
- SP = L/N-PE:10KV L-N:6KV
- Housing Thickness = >3.5mm
- Paint Thickness = 150um
- Housing Color = JL078Z (RAL 7038)

### Tests / Certificates:

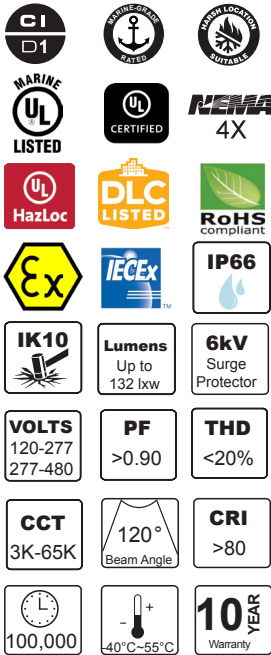
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- IEC 60079-0
- IEC 60079-1
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	36.5 x 34.5 x 25.5	0.0321	8.5
100w-200w	1	44.5 x 43.7 x 28.5	0.0554	15

## HAZHXP1™

Class I, Division 1, Groups B, C, D, T5/T6  
30w/60w



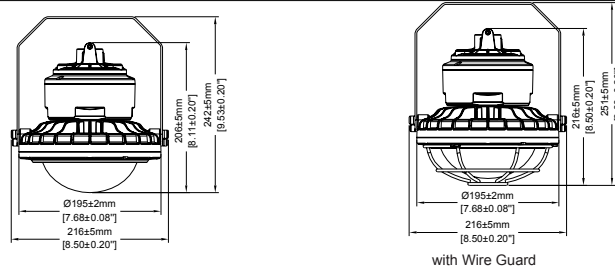
The HAZHXP1™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 1 applications. Available in four options, HAZHXP1™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZHXP1™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 15mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art HB driver, Lumileds SMD 2835 (0.5W); fixture entry is ¾". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZHXP1™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 132 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 1, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZHXP1™ Series are certified for use in UL, cUL and IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	Item	Watts	Voltage	Lumens	CCT	Options
AL570044	30w	120-277	3960	AL570044WG	30w	120-277	3660	Blank	5000K CE EU Certification
AL570045	60w	120-277	7920	AL570045WG	60w	120-277	7320	3	3000K
								4	4000K
								57	5700K
								65	6500K

### Notes

- Certified: 30w=Class I, Division 1, Groups B, C, D, T6 60w=Class I, Division 1, Groups B, C, D, T5
- CE =100-240V Ex db IIC T6 Gb / Ex tb IIIC T80°C Db
- Complies with: Class I, Division 2, Groups A, B, C, D, T4A/T5 Class II, Division 1, Groups E, F, G, T5/T6 Class II, Division 2, Groups E, F, G, T4A/T5 Class III

- Lumens = 132 lxw With wire Guard = 122 lxw
- Lumen Tolerance: ±10%
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV 150w (277-480V) = L/N-PE: 4KV, L-N: 4KV
- Housing Thickness = 3.5-3.7mm
- Paint Thickness = 80-120um
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness = 15mm
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

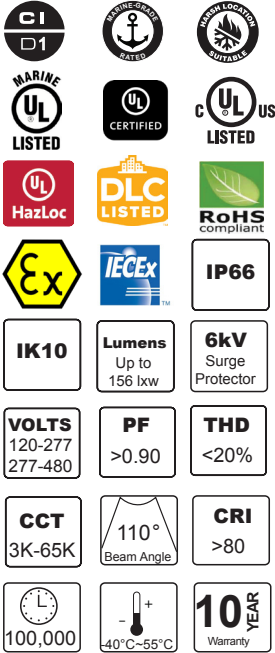
- UL844
- UL8750
- UL1598
- UL1598A
- CSA22.2 No.137.0
- CSA22.2 No.250.1
- CSA22.2 No.250.13
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- IEC 60079-0
- IEC 60079-1
- IEC 60079-31
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	50 x 25.5 x 26	0.0331	6.62

## HAZHXP2™

Class I, Division 1, Groups B, C, D, T5/T6  
30w/60w



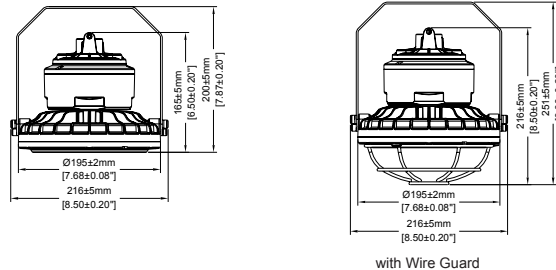
The HAZHXP2™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 1 applications. Available in four options, HAZHXP2™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZHXP2™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 15mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art HB driver, Lumileds SMD 2835 (0.5W); fixture entry is 3/4". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZHXP2™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 156 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 1, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZHXP2™ Series are certified for use in UL, cUL and IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	Item	Watts	Voltage	Lumens	CCT	Options
AL570050	30w	120-277	4680	AL570050WG	30w	120-277	4410	Blank	5000K Blank Beam 110°
AL570051	60w	120-277	6360	AL570051WG	60w	120-277	8820	3	3000K B8 Beam 80°
								4	4000K CE EU Certification
								57	5700K
								65	6500K

### Notes

- Certified:  
30w=Class I, Division 1, Groups B, C, D, T6  
60w=Class I, Division 1, Groups B, C, D, T5
- CE =100-240V  
Ex db IIC T6 Gb / Ex tb IIIC T80°C Db
- Complies with:  
Class I, Division 2, Groups A, B, C, D, T4A/T5  
Class II, Division 1, Groups E, F, G, T5/T6  
Class II, Division 2, Groups E, F, G, T4A/T5  
Class III

- Lumens = 156 lxw  
With wire Guard = 147 lxw
- Lumen Tolerance: ±10%
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV  
150w (277-480V) =  
L/N-PE: 4KV, L-N: 4KV

- Beam: Standard 110°  
PC Lens: 80°
- Housing Thickness: 3.5-3.7mm
- Paint Thickness = 80-120um
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness = 15mm
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

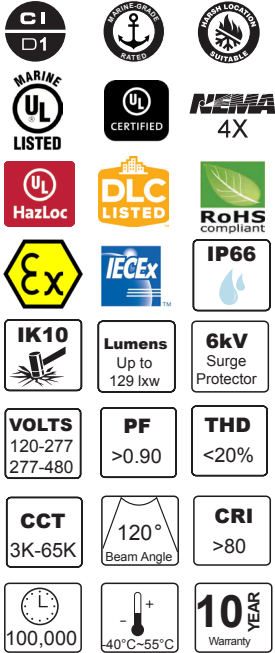
- UL844
- UL8750
- UL1598
- UL1598A
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013
- IEC 60079-0
- IEC 60079-1
- IEC 60079-31
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	50 x 25.5 x 26	0.0331	6.62

## HAZHXP3™

Class I, Division 1, Groups B, C, D, T5/T6  
30w/60w



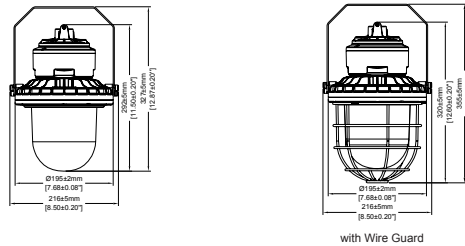
The HAZHXP3™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 1 applications. Available in four options, HAZHXP3™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZHXP3™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 15mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art HB driver, Lumileds SMD 2835 (0.5W); fixture entry is 3/4". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZHXP3™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 129 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 1, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZHXP3™ Series are certified for use in UL, cUL and IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	Item	Watts	Voltage	Lumens	CCT	Options
AL570052	30w	120-277	3870	AL570052WG	30w	120-277	3600	Blank	5000K CE EU Certification
AL570053	60w	120-277	7740	AL570053WG	60w	120-277	7200	3	3000K
								4	4000K
								57	5700K
								65	6500K

### Notes

- Certified:  
30w=Class I, Division 1, Groups B, C, D, T6  
60w=Class I, Division 1, Groups B, C, D, T5
- CE =100-240V  
Ex db IIC T6 Gb / Ex tb IIIC T80°C Db
- Complies with:  
Class I, Division 2 Groups A, B, C, D, T4A/T5  
Class II, Division 1, Groups E, F, G, T5/T6  
Class II, Division 2, Groups E, F, G, T4A/T5  
Class III

- Lumens= 129 lxw  
With wire Guard = 120 lxw
- Lumen Tolerance: ±10%
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV  
150w (277-480V) = L/N-PE: 4KV, L-N: 4KV
- Housing Thickness = 3.5-3.7mm
- Paint Thickness = 80-120um
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness = 15mm
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- IEC 60079-0
- IEC 60079-1
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	50 x 25.5 x 26	0.0331	6.62

## HAZRH2™

**Class I, Division 2, Groups A, B, C, D, T4A/T5**  
**60w / 100w / 150w**



<b>CI</b> D2	<b>HAZARDOUS LOCATION</b> RATED	<b>HAZARDOUS LOCATION</b> SUITABLE
<b>MARINE</b> UL LISTED	<b>UL</b> CERTIFIED	<b>NEMA</b> 4X
<b>UL</b> HazLoc	<b>DLC</b> LISTED	<b>RoHS</b> compliant
<b>Ex</b>	<b>IP66</b>	<b>IK10</b>
<b>DIM</b> 0-10V	<b>Lumens</b> Up to 155 lxw	<b>6kV</b> Surge Protector
<b>VOLTS</b> 100-277 277-480	<b>PF</b> >0.90	<b>THD</b> <20%
<b>120°</b> Beam Angle	<b>CCT</b> 5000K	<b>CRI</b> >80
<b>100,000</b>	<b>-40°C~55°C</b>	<b>10 YEAR</b> Warranty

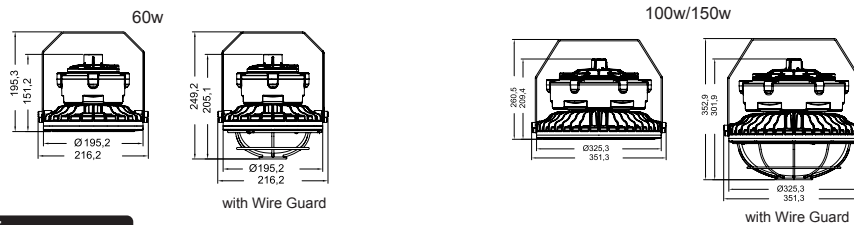
The HAZRH2™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH2™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZRH2™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Samsung led chip SMD 2835 (0.5W); fixture entry is ¾". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZRH2™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 155 lx w, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZRH2™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Options
AL570004	60w	100-277	7800	<b>Blank</b> 5000K	<b>CE</b> EU Certification
AL570005	100w	100-277	14500	<b>3</b> 3000K	
AL570006	150w	100-277	23250	<b>4</b> 4000K	
AL570007	150w	277-480	22500	<b>57</b> 5700K	
AL570004WG	60w	100-277	7200	<b>65</b> 6500K	
AL570005WG	100w	100-277	14000		
AL570006WG	150w	100-277	21750		
AL570007WG	150w	277-480	21000		

### Notes

- Certified: 30w/100w=Class I, Division 2, Groups A, B, C, D, T5 60w/150w=Class I, Division 2, Groups A, B, C, D, T4A
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T5 Class II, Division 2, Groups E, F, G, T4A/T5 Class III
- CE =100-240V Ex mb eb IIC T4 Gb / Ex tb IIIC T80°C Db

### Tests / Certificates:

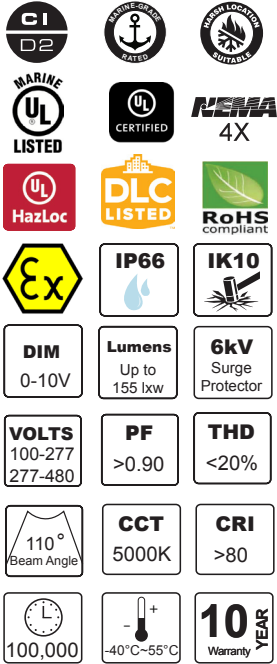
- All lumens per watt same for 4K/5K/57K/65K. 3000K: 8% less
- 6500K= No DLC
- SP 60w=6kV, 100w/150w=10kV
- 60w=IK09 100w/150w=IK07
- Housing Color = JL078Z (RAL 7038)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.137.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
60w	2	50 x 25.5 x 26	0.0331	8.92
60w with Wireguard	2	50 x 25.5 x 31	0.0395	9.88
100w/150w	1	40 x 40 x 34.5	0.0552	12.35
100w/150w with Wireguard	1	40 x 40 x 44	0.0704	13.83

## HAZRH1™

Class I, Division 2, Groups A, B, C, D, T4A/T5  
60w / 100w / 150w



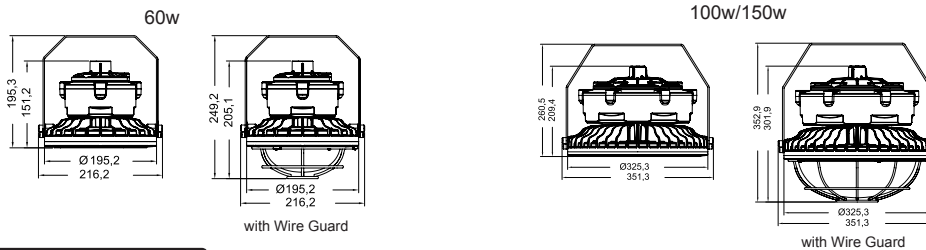
The HAZRH1™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH1™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZRH1™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, flat clear lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Samsung led chip SMD 2835 (0.5W); fixture entry is ¾". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZRH1™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 155 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZRH1™ Series is certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Options
AL570000	60w	100-277	8400	Blank	5000K
AL570001	100w	100-277	15000	3	3000K
AL570002	150w	100-277	23250	4	4000K
AL570003	150w	277-480	22500	57	5700K
AL570000WG	60w	100-277	8100	65	6500K
AL570001WG	100w	100-277	14500		
AL570002WG	150w	100-277	22500		
AL570003WG	150w	277-480	21750		

### Notes

- Certified: 30w/100w=Class I, Division 2, Groups A, B, C, D, T5; 60w/150w=Class I, Division 2, Groups A, B, C, D, T4A
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T5; Class III, Division 2, Groups E, F, G, T4A/T5; Class III
- CE =100-240V; Ex mb eb IIC T4 Gb / Ex tb IIIC T80°C Db

- All lumens per watt same for 4K/5K/57K/65K. 3000K: 8% less
- 6500K= No DLC
- SP 60w=6KV, 100w/150w=10KV
- Housing Color = JL078Z (RAL7038)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.137.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
60w	2	50 x 25.5 x 26	0.0331	8.92
60w with Wireguard	2	50 x 25.5 x 31	0.0395	9.88
100w/150w	1	40 x 40 x 34.5	0.0552	12.35
100w/150w with Wireguard	1	40 x 40 x 44	0.0704	13.83

## HAZRH3™

**Class I, Division 2, Groups A, B, C, D, T4A/T5  
60w**

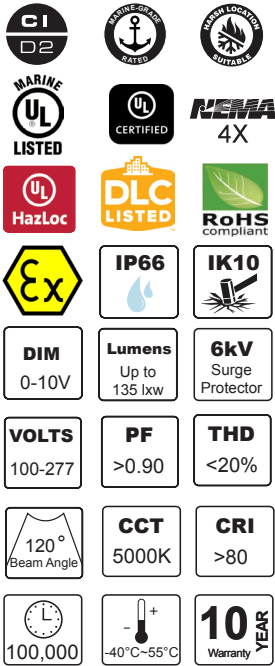


The HAZRH3™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. HAZRH3™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable or explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

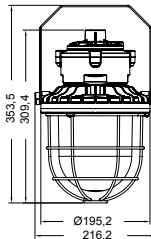
HAZRH3™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, "U" spherical prismatic lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Samsung led chip SMD 2835 (0.5W); fixture entry is 3/4". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZRH3™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 135 lx w, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZRH3™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.



### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Options
AL570008	60w	100-277	8100	<b>Blank</b> 5000K <b>3</b> 3000K <b>4</b> 4000K <b>57</b> 5700K <b>65</b> 6500K	<b>CE</b> EU Certification
AL570008WG	60w	100-277	7800		

### Notes

- Certified: 30w/100w=Class I, Division 2, Groups A, B, C, D, T5  
60w/150w=Class I, Division 2, Groups A, B, C, D, T4A
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T5  
Class II, Division 2, Groups E, F, G, T4A/T5  
Class III
- CE =100-240V  
Ex mb eb IIC T4 Gb / Ex tb IIIC T80°C Db

- All lumens per watt same for 4K/5K/57K/65K. 3000K: 8% less
- 6500K= No DLC
- Housing Color = JL078Z (RAL 7038)
- 100,000 hours life @ <Tc 70°C
- WG = Wire Guard
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

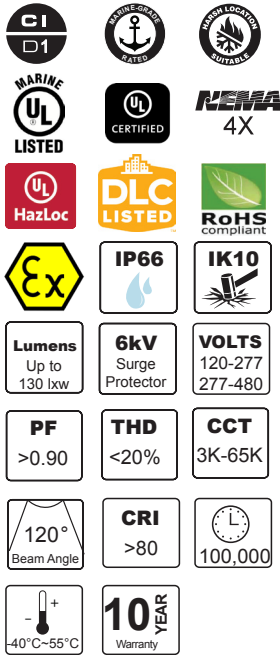
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.137.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
60w	2	50 x 25.5 x 41	0.0514	11.4
with Wireguard	2	50 x 25.5 x 41	0.0514	12

## HAZRH4™

Class I, Division 2, Groups A, B, C, D, T4/T4A  
30w / 60w / 100w / 150w



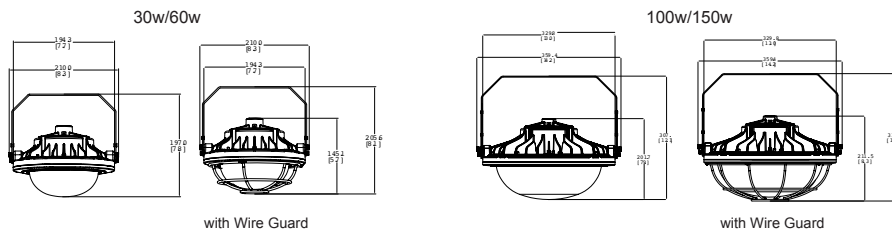
The HAZRH4™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH4™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZRH4™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum  $\leq 0.4\%$  copper-free; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art HB driver, Samsung led chip SMD 2835 (0.5W); fixture entry is  $\frac{3}{4}$ ". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZRH4™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 130 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZRH4™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Options
AL570032	30w	120-277	3900	Blank	WG Wire Guard
AL570033	60w	120-277	7800	3	CE EU Certification
AL570034	100w	120-277	13000	4	
AL570035	150w	120-277	19500	57	
AL570036	150w	277-480	19500	65	

### Notes

- Certified:  
30w=Class I, Division 2, Groups A, B, C, D, T4A  
60w-150w=Class I, Division 2, Groups A, B, C, D, T4
- Complies with:  
Class II, Division 1, Groups E, F, G, T4A/T5  
Class II, Division 2, Groups E, F, G, T4A/T5  
Class III
- CE = 100-240V  
Ex mb eb IIC T4 Gb / Ex tb IIIC T80/T95°C Db

- Lumen Tolerance:  $\pm 10\%$
- Lumens= 130 lxw  
With wire Guard = 117 lxw
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV  
150w (277-480V) = L/N-PE: 4KV, L-N: 4KV
- Housing Thickness = 1mm
- Paint Thickness =  $>90\mu\text{m}$
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness: 8mm
- Glass = IK07
- 100,000 hours life @  $<T_c 70^\circ\text{C}$
- Salt Tes Chamber: 1000 hours

### Tests / Certificates:

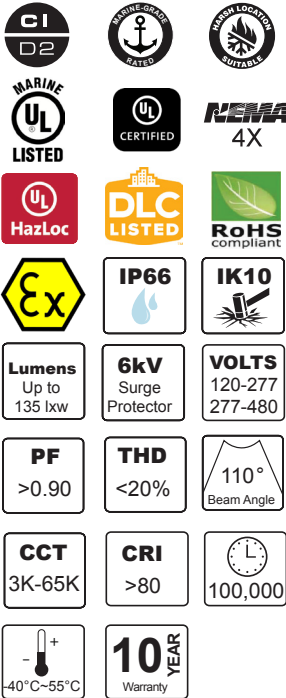
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	4	47 x 47 x 19.3	0.0426	10.6
100w/150w	1	40 x 40 x 21.8	0.0348	7.5

## HAZRH5™

**Class I, Division 2, Groups A, B, C, D, T4/T4A**  
**30w / 60w / 100w / 150w**



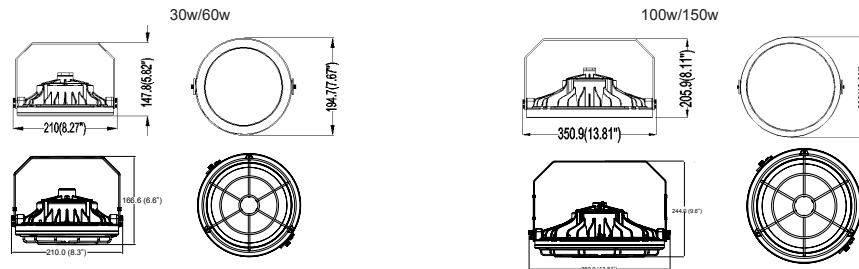
The HAZRH5™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH5™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZRH5™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum  $\leq 0.4\%$  copper; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art HB driver, Samsung led chip SMD 2835 (0.5W); fixture entry is  $\frac{3}{4}$ ". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZRH5™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 135 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZRH5™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Options
AL570037	30w	120-277	4050	Blank	5000K
AL570038	60w	120-277	8100	3	3000K
AL570039	100w	120-277	13500	4	4000K
AL570040	150w	120-277	20250	57	5700K
AL570041	150w	277-480	20250	65	6500K

### Notes

- Certified: 30w=Class I, Division 2, Groups A, B, C, D, T4A 60w-150w=Class I, Division 2, Groups A, B, C, D, T4
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T5 Class II, Division 2, Groups E, F, G, T4A/T5 Class III
- CE = 100-240V Ex mb eb IIC T4 Gb / Ex tb IIIC T80/T95°C Db

- Lumens= 135 lxw Wire Guard = 125 lxw PC Lens = 133lxw
- Lumen Tolerance:  $\pm 10\%$
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV 150w (277-480V) = L/N-PE: 4KV, L-N: 4KV

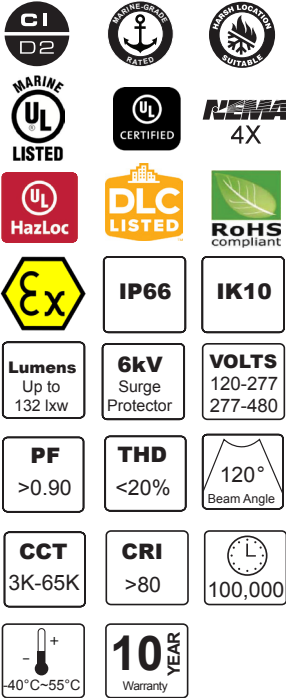
- Beam: Standard 110° PC Lens: 80°
- Housing Thickness = 1mm
- Paint Thickness =  $>90\mu\text{m}$
- Housing Color = JL 078Z (RAL 7038)
- Glass Lens Thickness: 8mm
- Glass = IK07
- 100,000 hours life @  $<T_c$  70°C
- Salt Tes Chamber: 1000 hours

### Tests / Certificates:

- UL844
- UL8750
- UL1598
- UL1598A
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	4	47 x 47 x 19.3	0.0426	10.6
100w/150w	1	40 x 40 x 21.8	0.0348	7.5



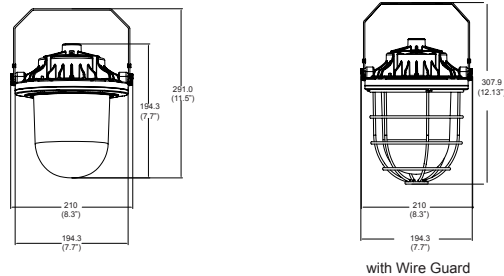
The HAZRH6™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH6™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

HAZRH6™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, spherical prismatic lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art HB driver, Samsung led chip SMD 2835 (0.5W); fixture entry is 3/4". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZRH6™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 132 lxw, standard 6KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZRH6™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications where flammable gases, vapors, dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	Item	Watts	Voltage	Lumens	CCT	Options
AL570042	30w	120-277	3900	AL570042WG	30w	120-277	3660	Blank	5000K
AL570043	60w	120-277	7920	AL570043WG	60w	120-277	7500	3	3000K
								4	4000K
								57	5700K
								65	6500K
									CE EU Certification

### Notes

- Certified: 30w=Class I, Division 2, Groups A, B, C, D, T4A 60w=Class I, Division 2, Groups A, B, C, D, T4
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T5 Class II, Division 2, Groups E, F, G, T4A/T5 Class III
- CE =100-240V Ex mb eb IIC T4 Gb / Ex tb IIIC T80/T95°C Db

- Lumens based on 6500K
- Lumens: 30w = 130 lxw 60w = 132 lxw With wire Guard: 30w = 122 lxw 60w = 125 lxw
- Lumen Tolerance: up to 10%
- 6500K= No DLC
- WG = Wire Guard
- SP = L/N-PE:10KV L-N:6KV 150w (277-480V) = L/N-PE: 4KV, L-N: 4KV
- Housing Thickness = 1mm
- Paint Thickness = >90um
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness: 8mm
- Glass = IK07
- 100,000 hours life @ <Tc 70°C
- Salt Test Chamber: 1000 hours

### Tests / Certificates:

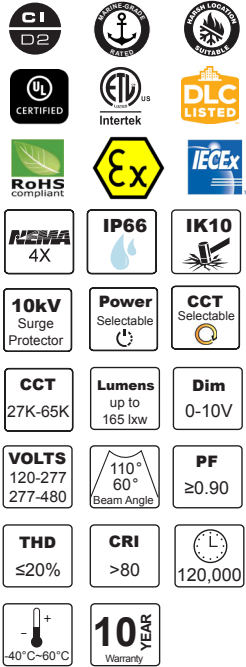
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w with/without wireguard	4	47 x 47 x 20.3	0.0448	16.3

## HAZRH7™

**Class I, Division 2, Groups A, B, C, D, T5**  
**200w/240w/300w/400w**  
**Power Selectable / Single CCT**  
**Power Selectable / CCT Selectable**



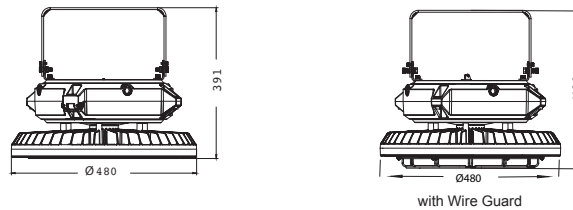
The HAZRH7™ Series LED round high bay is a robust fixture family designed for hazardous locations and certified for Class I, Division 2, Groups A, B, C, D, T5 environments. Engineered for versatility, the HAZRH7™ Series supports ceiling, pendant, wall, and surface mounting applications, offering a superior LED solution to replace traditional HID fixtures ranging from 100W to over 400W. Designed specifically for areas where flammable or explosive gases and vapors are present, these high bays deliver long life, low maintenance, and reliable performance in harsh indoor and outdoor environments.

Built for endurance and performance, the HAZRH7™ housing is constructed from ADC12 die-cast aluminum (≤0.4% copper) to maximize corrosion resistance. All fasteners are 304 stainless steel, and each unit includes standard 3/4" NPT entries for simplified installation. The flat lens is constructed from 6mm thick high borosilicate tempered glass, ensuring durability and impact resistance. An optional wire guard is available, made from SUS304 stainless steel and finished with a durable white powder coating. Every fixture complies with UL 1598A standards. At the core of each luminaire is a state-of-the-art IP67-rated Class P Sosen driver (Type HL for hazardous locations), delivering 10kV common-mode and 6kV differential-mode surge protection. High-performance Lumileds SMD 2835 LEDs ensure exceptional luminous efficacy and long-term reliability. The entire fixture is finished with Duratek™ polyester powder coating, applied electrostatically to withstand harsh, corrosive conditions.

The HAZRH7™ Series delivers industry-leading efficiency, performance, and reliability. Optional Power and CCT Selectable allows versatility. With efficacy up to 165 lumens per watt, it significantly reduces energy consumption while delivering up to 120,000 hours of operational life. Designed for extreme environments, it offers IK10-rated impact resistance, cold-start capability, and minimal heat generation, enhancing fixture longevity and safety. Certified for use in Class I, Division 2 areas, the HAZRH7™ Series sets a new benchmark for industrial lighting.

Fully ETL listed and compliant with IEC standards for hazardous locations, the HAZRH7™ Series offers a global solution for demanding applications. These fixtures are ideal for indoor and outdoor general area lighting in oil and gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial settings where flammable gases, vapors, dust, or fibers are present.

### Dimensions (mm)



### Ordering information

#### Power Selectable / Single CCT

Item	Power Select	Lumens	CCT	Beam	Options
AL570054	200w/150w/100w	33000/24750/16500	Blank 5000K	Blank 110°	WG Wire Guard
AL570055	240w/180w/120w	39600/29700/19800	3 3000K	62 60°	48 277-480V
AL570056	300w/225w/150w	49500/37125/24750	4 4000K		S 25° Stanchion Mount
AL570057	400w/300w/200w	66000/49500/33000	5 5700K		
			65 6500K		

#### CCT/Power Selectable

Item	Power	3000K	4000K	5000K	Beam	Options
AL570058	200w	29200	32600	30800	Blank 110°	WG Wire Guard
	150w	21900	24450	23100	62 60°	48 277-480V
	100w	14600	16300	15400		S 25° Stanchion Mount
AL570059	240w	35040	39120	36960		
	180w	26280	29340	27720		
	120w	17520	19560	18480		
AL570060	300w	43900	48900	46200		
	225w	32850	36675	34650		
	150w	21900	24550	23100		
AL570061	400w	58400	65200	61600		
	300w	43800	48900	46200		
	200w	29200	32600	30800		

### Notes

- Certified: 200W,240W=Class I Division 2 Groups A, B, C, D T5 300W,400W=Class I Division 2 Groups A, B, C, D T4A
- Ex mb eb IIC T4 Gb Ex tb IIIC T80/T95°C Db
- Complies with: Class II, Division 1, Groups E,F,G, T4A/T5 Class II, Division 2, Groups E,F,G, T4A/T5 Class III CE and ROHS
- 200w-400w = ETL

- Lumens Single CCT 65K/57K/4K =up to 165 lxw 3K = 159 lxw With wire guard 65K/57K/4K =up to 155 lxw 3K = 149 lxw
- 6500K= No DLC
- Lumen Tolerance: ±10%
- LED Chips = Lumileds 2835
- Driver Brand = SOSEN Type HL suitable for Hazardous Locations IP67 / Class P
- Lumens CCT Select 3K 148 lxw 4K 163 lxw 5K 154 lxw With wire guard 3K 137 lxw 4K 153 lxw 5K 145 lxw

- SP = L/N-PE: 10KV L-N: 6KV
- Beam: 110° = Glass Only 60° = PC & Glass Lens
- Housing Thickness = >0.5mm
- Paint Thickness = 120µm
- Housing Color = JL078Z
- PC Lens Thickness: 2-4.5mm
- IK08 Glass Lens Thickness: 6mm
- 120,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

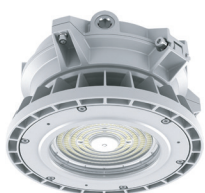
- CSA22.2 No. 137.0
- CSA22.2 No.250.0
- CSA C22.2 No.250.13
- Complies with: EMC EN IEC 55015:2019/A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A3:2021
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31
- LVD EN IEC 60598-2-1:2021 EN IEC 60598-1:2021/A11:2022 EN 62493:2015/A1:2022

### Packing information

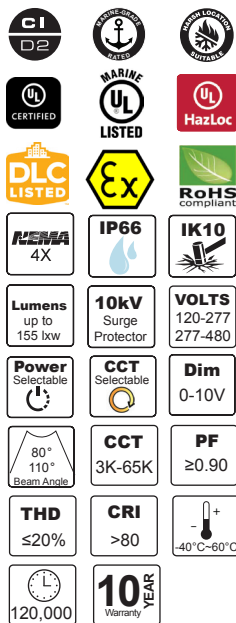
Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
200w/240w/300w/400w	1	53 x 53 x 26	0.0730	18/18.8/19.2/20.4

## HAZRH8™

**Class I, Division 2, Groups A, B, C, D, T4/T4A/T5**  
**30w/60w/80w/100w150w/200w**  
**Single CCT / Power & CCT Selectable**



B9 Spherical Glass



The HAZRH8™ Series LED round high bay is a robust fixture family designed for hazardous locations and certified for Class I, Division 2, Groups A, B, C, DT4, T4A, T5 environments. Engineered for versatility, the HAZRH8™ Series supports ceiling, pendant, wall, and surface mounting applications, offering a superior LED solution to replace traditional HID fixtures ranging from 100W to over 400W. Designed specifically for areas where flammable or explosive gases and vapors are present, these high bays deliver long life, low maintenance, and reliable performance in harsh indoor and outdoor environments.

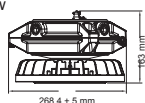
Built for endurance and performance, the HAZRH8™ housing is constructed from ADC12 die-cast aluminum (≤0.4% copper) to maximize corrosion resistance. All fasteners are 304 stainless steel, and each unit includes standard 3/4" NPT entries for simplified installation. The flat lens is constructed from 6mm thick high borosilicate tempered glass, ensuring durability and impact resistance. An optional wire guard is available, made from SUS304 stainless steel and finished with a durable white powder coating. Every fixture complies with UL 1598A standards. At the core of each luminaire is a state-of-the-art IP67-rated Class P Sosen driver (Type HL for hazardous locations), delivering 10kV common-mode and 6kV differential-mode surge protection. High-performance Lumileds SMD 2835 LEDs ensure exceptional luminous efficacy and long-term reliability. The entire fixture is finished with Duratek™ polyester powder coating, applied electrostatically to withstand harsh, corrosive conditions.

The HAZRH8™ Series delivers industry-leading efficiency, performance, and reliability. Optional Power and CCT Selectable allows versatility. With efficacy up to 155 lumens per watt, it significantly reduces energy consumption while delivering up to 120,000 hours of operational life. Designed for extreme environments, it offers IK10-rated impact resistance, cold-start capability, and minimal heat generation, enhancing fixture longevity and safety. Certified for use in Class I, Division 2 areas, the HAZRH8™ Series sets a new benchmark for industrial lighting.

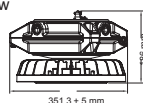
Fully UL listed and compliant with IEC standards for hazardous locations, the HAZRH8™ Series offers a global solution for demanding applications. These fixtures are ideal for indoor and outdoor general area lighting in oil and gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial settings where flammable gases, vapors, dust, or fibers are present.

### Dimensions (mm)

30w-80w



100w-200w



### Ordering information

#### Single Power / CCT

Item	Watts	Lumens	CCT	Beam	Mount Options	Options	Accessories
AL570067	30w	4650	Blank	Blank 110°	Blank	S1 Stanchion mount 25°	AL578000 Light Shield 25°
AL570068	60w	9300	3	B8 80°	U U - Bracket	S2 Stanchion mount 45°	AL578001 Light Shield 90°
AL570069	80w	12400	4	B9 120°	CL Surface Box	S3 Stanchion mount 60°	
AL570070	100w	15500	57		W1 Wall mount 25°	S4 Stanchion mount 90°	
AL570071	150w	23250	65		W2 Wall mount 45°	CM Ceiling mount	
AL570072	200w	31000			W3 Wall mount 60°		
					W4 Wall mount 90°		

#### Power & CCT Selectable

Item	Watts	CCT	Lumens	Beam	Mount Options	Options	Accessories
AL570073	30w	35K/4K/5K	3900/4500/4050	Blank 110°	Blank	S1 Stanchion mount 25°	AL578000 Light Shield 25°
	23w	35K/4K/5K	2990/3565/3105	B8 80°	U U - Bracket	S2 Stanchion mount 45°	AL578001 Light Shield 90°
	16w	35K/4K/5K	1080/2480/2160	B9 120°	CL Surface Box	S3 Stanchion mount 60°	
AL570074	60w	35K/4K/5K	7800/9300/8100		W1 Wall mount 25°	S4 Stanchion mount 90°	
	45w	35K/4K/5K	5850/6975/6075		W2 Wall mount 45°	CM Ceiling mount	
	30w	35K/4K/5K	3900/4650/4050		W3 Wall mount 60°		
AL570075	80w	35K/4K/5K	10400/12400/10800		W4 Wall mount 90°		
	60w	35K/4K/5K	7800/9300/8100				
	40w	35K/4K/5K	5200/6200/5400				
AL570076	100w	35K/4K/5K	13000/15500/13500				
	75w	35K/4K/5K	9750/11625/10125				
	50w	35K/4K/5K	6500/7750/6750				
AL570077	150w	35K/4K/5K	19500/23250/20250				
	113w	35K/4K/5K	14690/17515/15255				
	75w	35K/4K/5K	9750/11625/27000				
AL570078	200w	35K/4K/5K	26000/31000/27000				
	150w	35K/4K/5K	19500/23250/20250				
	100w	35K/4K/5K	13000/15500/13500				

### Notes

- Certified: Class I, Division 2, Groups A, B, C, D, T4, T4A, T5
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T4A/T5 Class II, Division 2, Groups E, F, G, T4A/T4A/T5 Class III
- Ex mb eb IIC T4 GbEN 60079-31
- Working temp.: 30w/100w = -40° to 60° 60w-200w = -40° to 55°

- Lumens for Single CCT: 4K/5K/ 57K/ 65K up to 155 lkw 3K up to 150 lkw
- Lumens for Power & CCT Selectable: 35K up to 130 lkw 4K up to 155 lkw 5K up to 135 lkw
- Lumen Tolerance: ±10%
- 6500K = No DLC

- LED Chips: Lumileds 2835
- Drivers = Sossen IP67
- SP = L/N-PE:10KV L-N:6KV
- 120,000 hours life @ Tc 65°C
- Salt Chamber Test: 1000 hrs
- Suspended mount for NPT 3/4" conduit
- Beam: 110° = Clear Glass B8 = 80° = Clear Glass + PC Lens B9 = 120° = Clear Striped Spherical Glass

- Aluminum Alloy Housing Thickness = >2mm
- Lens: Glass Thickness = 15mm PC Thickness = 1.5mm
- Paint Thickness = 60-120µm
- Housing Color = JL 078Z (RAL 7038)
- Mounting Brackets are pre-installed

### Tests / Certificates:

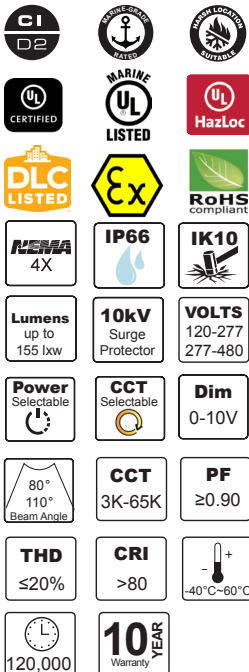
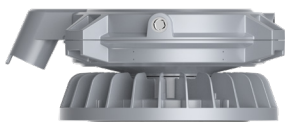
- C1D2, Groups A,B,C,D,T4/T4A/T5
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547-2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31
- 30w = No T4

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w-80w Clear Glass	2	36.5 x 32.5 x 23.4	0.0277	
30w-80w Spherical Glass	2	36.5 x 32.5 x 27	0.0320	
100w-200w Clear Glass	1	45 x 40.5 x x 26.7	0.0126	
100w-200w Spherical Glass	1	45 x 40.5 x 30.2	0.0550	

## HAZST8™

**Class I, Division 2, Groups A, B, C, D, T4/T4A/T5**  
**30w/60w/80w/100w150w/200w**  
**Single CCT / Power & CCT Selectable**



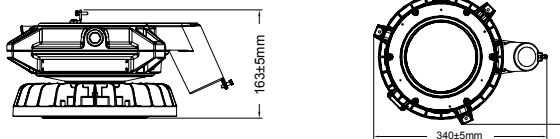
The HAZST8™ Series LED round high bay is a robust fixture family designed for hazardous locations and certified for Class I, Division 2, Groups A, B, C, DT4,T4A, T5 environments. Engineered for versatility, the HAZST8™ Series supports ceiling, pendant, wall, and surface mounting applications, offering a superior LED solution to replace traditional HID fixtures ranging from 100W to over 400W. Designed specifically for areas where flammable or explosive gases and vapors are present, these high bays deliver long life, low maintenance, and reliable performance in harsh indoor and outdoor environments.

Built for endurance and performance, the HAZST8™ housing is constructed from ADC12 die-cast aluminum (≤0.4% copper) to maximize corrosion resistance. All fasteners are 304 stainless steel, and each unit includes standard 3/4" NPT entries for simplified installation. The flat lens is constructed from 6mm thick high borosilicate tempered glass, ensuring durability and impact resistance. An optional wire guard is available, made from SUS304 stainless steel and finished with a durable white powder coating. Every fixture complies with UL 1598A standards. At the core of each luminaire is a state-of-the-art IP67-rated Class P Sosen driver (Type HL for hazardous locations), delivering 10kV common-mode and 6kV differential-mode surge protection. High-performance Lumileds SMD 2835 LEDs ensure exceptional luminous efficacy and long-term reliability. The entire fixture is finished with Duratek™ polyester powder coating, applied electro-statically to withstand harsh, corrosive conditions.

The HAZST8™ Series delivers industry-leading efficiency, performance, and reliability. Optional Power and CCT Selectable allows versatility. With efficacy up to 155 lumens per watt, it significantly reduces energy consumption while delivering up to 120,000 hours of operational life. Designed for extreme environments, it offers IK10-rated impact resistance, cold-start capability, and minimal heat generation, enhancing fixture longevity and safety. Certified for use in Class I, Division 2 areas, the HAZST8™ Series sets a new benchmark for industrial lighting.

Fully UL listed and compliant with IEC standards for hazardous locations, the HAZST8™ Series offers a global solution for demanding applications. These fixtures are ideal for indoor and outdoor general area lighting in oil and gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial settings where flammable gases, vapors, dust, or fibers are present.

### Dimensions (mm)



### Ordering information

#### Single Power / CCT

Item	Watts	Lumens	CCT	Beam	Mount Options	Options	Accessories
AL570085	30w	4650	Blank 5000K	Blank 110°	S1 Stanchion mount 25°	48 277-480V	AL578000 Light Shield 25°
AL570086	60w	9300	3 3000K	B8 80°	S2 Stanchion mount 45°	CE EU Certification	AL578001 Light Shield 90°
AL570087	80w	12400	4 4000K	B9 120°	S3 Stanchion mount 60°	WG Wire Guard	
AL570088	100w	15500	57 5700K		S4 Stanchion mount 90°		
AL570089	150w	23250	65 6500K				
AL570090	200w	31000					

#### Power & CCT Selectable

Item	Watts	CCT	Lumens	Beam	Mount Options	Options	Accessories
AL570091	30w	35K/4K/5K	3900/4500/4050	Blank 110°	S1 Stanchion mount 25°	48 277-480V	Light Shield 25°
	23w	35K/4K/5K	2990/3565/3105	B8 80°	S2 Stanchion mount 45°	CE EU Certification	Light Shield 90°
	18w	35K/4K/5K	1080/2480/2160	B9 120°	S3 Stanchion mount 60°	WG Wire Guard	
AL570092	60w	35K/4K/5K	7800/9300/8100		S4 Stanchion mount 90°		
	45w	35K/4K/5K	5850/6975/6075				
	30w	35K/4K/5K	3900/4650/4050				
AL570093	80w	35K/4K/5K	10400/12400/10800				
	60w	35K/4K/5K	7800/9300/8100				
	40w	35K/4K/5K	5200/6200/5400				
AL570094	100w	35K/4K/5K	13000/15500/13500				
	75w	35K/4K/5K	9750/11625/10125				
	50w	35K/4K/5K	6500/7750/6750				
AL570095	150w	35K/4K/5K	19500/23250/20250				
	113w	35K/4K/5K	14690/17515/15255				
	75w	35K/4K/5K	9750/11625/27000				
AL570096	200w	35K/4K/5K	26000/31000/27000				
	150w	35K/4K/5K	19500/23250/20250				
	100w	35K/4K/5K	13000/15500/13500				

### Notes

- Certified: Class I, Division 2, Groups A, B, C, D, T4, T4A, T5
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T4A/T5 Class II, Division 2, Groups E, F, G, T4A/T4A/T5 Class III
- Ex mb eb IIC T4 GbEn 60079-31

- Lumens for Single CCT: 4K/5K/57K/65K up to 155 l/w 3K up to 150 l/w
- Lumens for Power & CCT Selectable: 35K up to 130 l/w 4K up to 155 l/w 5K up to 135 l/w
- Lumen Tolerance: ±10%
- 6500K= No DLC
- Working temp.: 30w/100w = -40° to 60° 60w-200w = -40° to 55°

- LED Chips: Lumileds 2835
- Drivers = Sossen IP67
- SP =L/N-PE:10KV L-N:6KV
- 120,000 hours life @ Tc 65°C
- Salt Chamber Test: 1000 hrs
- Suspended mount for NPT 3/4" conduit
- Beam: 110° = Clear Glass B8 = 80° = Clear Glass + PC Lens B9 = 120° = Clear Striped Spherical Glass

- Aluminum Alloy Housing Thickness = >2mm
- Lens: Glass Thickness = 15mm PC Thickness = 1.5mm
- Paint Thickness = 60-120µm
- Housing Color = JL 078Z (RAL 7038)

### Tests / Certificates:

- C1D2 Groups A,B,C,D,T4/T4A/T5
- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- Complies IEC 60079-0 IEC 60079-7 IEC 60079-18 IEC 60079-31 30w = No T4

### Packing information

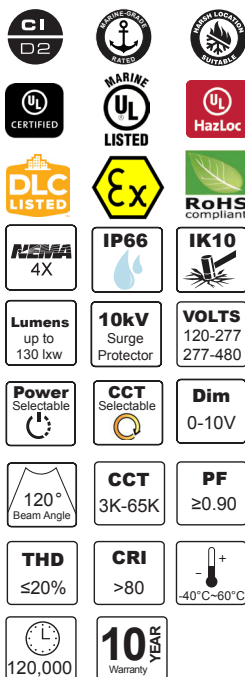
Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w-80w Clear Glass	2			
30w-80w Spherical Glass	2			
100w-200w Clear Glass	1			
100w-200w Spherical Glass	1			

## HAZRH9™

Class I, Division 2, Groups A, B, C, D, T4/T4A/T5

30w/60w/80w

Single CCT / Power & CCT Selectable



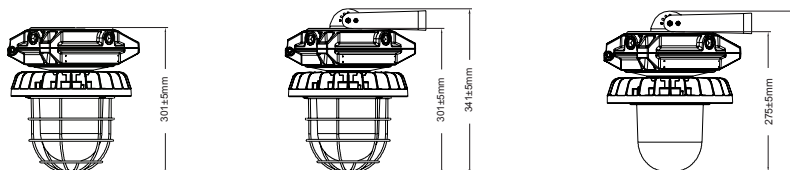
The HAZRH9™ Series LED round high bay is a robust fixture family designed for hazardous locations and certified for Class I, Division 2, Groups A, B, C, DT4,T4A, T5 environments. Engineered for versatility, the HAZRH9™ Series supports ceiling, pendant, wall, and surface mounting applications, offering a superior LED solution to replace traditional HID fixtures ranging from 100W to over 400W. Designed specifically for areas where flammable or explosive gases and vapors are present, these high bays deliver long life, low maintenance, and reliable performance in harsh indoor and outdoor environments.

Built for endurance and performance, the HAZRH9™ housing is constructed from ADC12 die-cast aluminum (≤0.4% copper) to maximize corrosion resistance. All fasteners are 304 stainless steel, and each unit includes standard 3/4" NPT entries for simplified installation. The flat lens is constructed from 6mm thick high borosilicate tempered glass, ensuring durability and impact resistance. An optional wire guard is available, made from SUS304 stainless steel and finished with a durable powder coating. Every fixture complies with UL 1598A standards. At the core of each luminaire is a state-of-the-art IP67-rated Class P Sosen driver (Type HL for hazardous locations), delivering 10kV common-mode and 6kV differential-mode surge protection. High-performance Lumileds SMD 2835 LEDs ensure exceptional luminous efficacy and long-term reliability. The entire fixture is finished with Duratek™ polyester powder coating, applied electro-statically to withstand harsh, corrosive conditions.

The HAZRH9™ Series delivers industry-leading efficiency, performance, and reliability. Optional Power and CCT Selectable allows versatility. With efficacy up to 130 lumens per watt, it significantly reduces energy consumption while delivering up to 120,000 hours of operational life. Designed for extreme environments, it offers IK10-rated impact resistance, cold-start capability, and minimal heat generation, enhancing fixture longevity and safety. Certified for use in Class I, Division 2 areas, the HAZRH9™ Series sets a new benchmark for industrial lighting.

Fully UL listed and compliant with IEC standards for hazardous locations, the HAZRH9™ Series offers a global solution for demanding applications. These fixtures are ideal for indoor and outdoor general area lighting in oil and gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial settings where flammable gases, vapors, dust, or fibers are present.

### Dimensions (mm)



### Ordering information

#### Single Power / CCT

Item	Watts	Lumens	CCT	Mount Options	Options
AL570079	30w	3900	Blank 5000K	S1 Suspended	WG Wire Guard
AL570080	60w	7800	3 3000K	U U - Bracket	48 277-480V
AL570081	80w	10400	4 4000K	CL Surface Box	CE EU Certification
			57 5700K	W1 Wall mount 25°	
			65 6500K	W2 Wall mount 45°	
				W3 Wall mount 60°	
				W4 Wall mount 90°	
				S2 Stanchion mount 45°	
				S3 Stanchion mount 60°	
				S4 Stanchion mount 90°	
				CM Ceiling mount	

#### Power & CCT Selectable

Item	Watts	CCT	Lumens	Mount Options	Options
AL570082	30w	35K/4K/5K	3150/3750/3300	Blank Suspended	WG Wire Guard
	23w	35K/4K/5K	2415/2875/2530	U U - Bracket	48 277-480V
	16w	35K/4K/5K	1680/2000/1760	CL Surface Box	CE EU Certification
AL570083	60w	35K/4K/5K	6300/7500/6600	W1 Wall mount 25°	
	45w	35K/4K/5K	4725/5625/4950	W2 Wall mount 45°	
	30w	35K/4K/5K	3150/3750/3300	W3 Wall mount 60°	
AL570084	80w	35K/4K/5K	8400/10000/8800	W4 Wall mount 90°	
	60w	35K/4K/5K	6300/7500/6600		
	40w	35K/4K/5K	4200/5000/4400		

### Notes

- Certified: Class I, Division 2, Groups A, B, C, D, T4, T4A, T5
- Complies with: Class II, Division 1, Groups E, F, G, T4/T4A/T5 Class II, Division 2, Groups E, F, G, T4/T4A/T5 Class III
- Ex mb eb IIC T4 GbEn 60079-31
- Working temp.: 30w = -40° to 60° 60w / 80w = -40° to 55°

- Lumens for Single CCT: 4K/5K/65K= 130 lxw 3K 124 lxw
- Lumens for Power & CCT Selectable: 35K = 105 lxw 4K = 125 lxw 5K = 110 lxw
- Lumen Tolerance: ±10%
- 6500K= No DLC

- LED Chips: Lumileds 2835
- Drivers = Sossen IP67
- SP =L/N-PE:10KV L-N:6KV
- 120,000 hours life @ Tc 65°C
- Salt Chamber Test: 1000 hrs
- Suspended mount for NPT 3/4" conduit

- Aluminum Alloy Housing Thickness = >2mm
- Lens: Glass Thickness = 15mm PC Thickness = 1.5mm
- Paint Thickness = 60-120µm
- Housing Color = JL 078Z (RAL 7038)
- Mounting Brackets are pre-installed

### Tests / Certificates:

- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- Complies IEC 60079-0 IEC 60079-7 IEC 60079-18 IEC 60079-31 30w = No T4
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w-80w	2	34.5 x 32.5 x 38	0.0426	



## HAZLH1™

Class I, Division 2, Groups A, B, C, D, T4A/T5  
40w / 80w / 120w

HAZLH1™ Linear High Bay Series is the ideal solution for high vibration, impact and hose down applications in Class I hazardous locations.

The HAZLH1™ Series is a linear LED luminaire engineered to stand up to the toughest operating conditions in Class I Division 2 environments such as petroleum refineries and grain processing facilities. A slim and lightweight profile and variety of mounting options enable this long-lasting, high-performance fixture to address virtually any lighting need in harsh and hazardous locations.

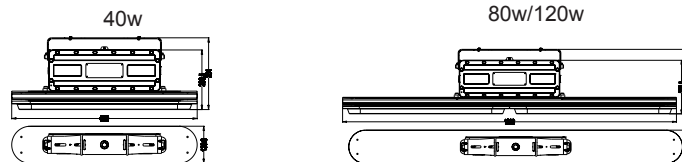
HAZLH1™ Series is designed for use in heavy industrial locations. It provides comfortable, uniform illumination in a lightweight, low profile design that comes in three lumen packages and 6 different beam patterns, delivering just the right amount of work plane brightness.

HAZLH1™ Series fixtures are built to protect, save and last longer. Fixture body made of AL6063-T5 extrusion aluminum <0.1% copper-free, driver box made of ADC12 die casting aluminum <0.4% copper-free. All screws are 304 stainless steel, flat lens cover is high borosilicate tempered glass, 6 mm thickness. Wireguard (optional) made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Samsung led chip SMD 2835 (0.5W); All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZLH1™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. Oil and gas refineries, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

<b>CI</b> D2	<b>HARSH ENVIRONMENT</b> RATED	<b>HARSH LOCATION</b> SUITABLE
<b>MARINE</b> UL LISTED	<b>UL</b> CERTIFIED	<b>NEMA</b> 4X
<b>HazLoc</b>	<b>DLC</b> LISTED	<b>RoHS</b> compliant
<b>Ex</b>	<b>IP66</b>	<b>IK10</b>
<b>Dim</b> 0-10V	<b>Lumens</b> Up to 140 lxw	<b>10kV</b> Surge Protector
<b>VOLTS</b> 100-277 277-480	<b>PF</b> >0.90	<b>THD</b> <20%
<b>80°</b> Beam Angle	<b>CRI</b> >80	<b>100,000</b>
<b>-40°C~65°C</b>	<b>10</b> YEAR Warranty	

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Beam	Options
AL570009	40w	100-277	5600	<b>Blank</b> 5000K	<b>Blank</b> 80°	<b>CE</b> EU Certification
AL570010	80w	100-277	11200	<b>3</b> 3000K	<b>B2</b> 20°	
AL570011	80w	277-480	11200	<b>4</b> 4000K	<b>B3</b> 30°	
AL570012	120w	100-277	16800	<b>57</b> 5700K	<b>B5</b> 35°	
AL570009WG	40w	100-277	5400	<b>65</b> 6500K	<b>B6</b> 60°	
AL570010WG	80w	100-277	10800		<b>B10</b> 100°x110°	
AL570011WG	80w	277-480	10800			
AL570012WG	120w	100-277	16300			

### Notes

- Certified:  
40w=Class I, Division 2, Groups A, B, C, D, T4A  
80w/120w= Class I, Division 2, Groups A, B, C, D, T5
- Complies with:  
Class II, Division 1, Groups E, F, G, T4A/T5  
Class III, Division 2, Groups E, F, G, T4A/T5  
Class III
- CE =100-240V  
Ex mb eb IIC T4 Gb / Ex tb IIIC T80/T95°C Db

- DLC for 80°, 6500K= No DLC
- Housing=IK10 Glass=IK08
- Beam 60° & 90° 130lxw  
3000K: 8% less
- Housing Color = JL078Z (RAL 7038)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.137.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
40w	1	76 x 22 x 30.5	0.0509	12.5
80w/120w	1	141 x 22 x 30.5	0.0946	19.5

## HAZLH2™

Class I, Division 2, Groups A, B, C, D  
40w / 80w / 120w / 200w



<b>CI</b> D2	<b>HAZARDOUS LOCATION</b> RATED	<b>HAZARDOUS LOCATION</b> SUITABLE
<b>MARINE</b> <b>UL</b> LISTED	<b>UL</b> CERTIFIED	<b>NEMA</b> 4X
<b>UL</b> HazLoc	<b>DLC</b> LISTED	<b>RoHS</b> compliant
<b>Ex</b>	<b>IP66</b>	<b>IK10</b>
<b>Dim</b> 0-10V	<b>Lumens</b> Up to 165 lxw	<b>10kV</b> Surge Protector
<b>VOLTS</b> 120-277 277-480	<b>PF</b> ≥0.90	<b>THD</b> ≤20%
<b>80°</b> <b>110°</b> Beam Angle	<b>CRI</b> >80	<b>100,000</b> Hours
<b>-40°C</b> to <b>65°C</b>	<b>10</b> YEAR Warranty	

HAZLH2™ Linear High Bay Series is the ideal solution for high vibration, impact and hose down applications in Class I hazardous locations.

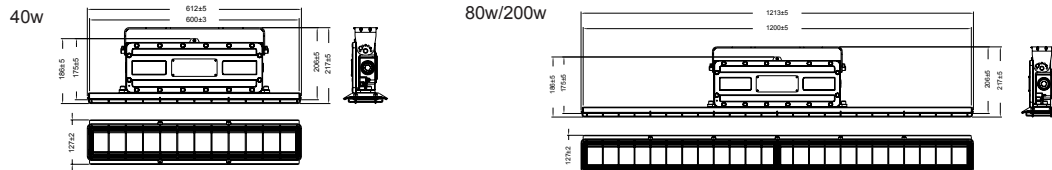
The HAZLH2™ Series is a linear LED luminaire engineered to stand up to the toughest operating conditions in Class I Division 2 environments such as petroleum refineries and grain processing facilities. A slim and lightweight profile and variety of mounting options enable this long-lasting, high-performance fixture to address virtually any lighting need in harsh and hazardous locations.

HAZLH2™ Series is designed for use in heavy industrial locations. It provides comfortable, uniform illumination in a lightweight, low profile design that comes in three lumen packages and 2 different beam patterns, delivering just the right amount of work plane brightness.

HAZLH2™ Series fixtures are built to protect, save and last longer. Fixture body made of AL6063-T5 extrusion aluminum <0.1% copper-free; driver box made of ADC12 die casting aluminum 1.57% copper. All screws are 304 stainless steel, flat lens cover is PC. Wireguard (optional) made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Lumileds led chip SMD 2835 (1W). All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZLH2™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. Oil and gas refineries, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Beam
AL570046	40w	120-277	6600	<b>Blank</b> 5000K	<b>Blank</b> 80°
AL570047	80w	120-277	13200	<b>3</b> 3000K	<b>B10</b> 110°
AL570048	80w	277-480	13200	<b>4</b> 4000K	
AL570049	120w	120-277	19200	<b>57</b> 5700K	
AL570062	120w	277-480	19200	<b>65</b> 6500K	
AL570063	200w	120-277	33000		
AL570064	200w	277-480	33000		
AL570046WG	40w	120-277	6200		
AL570047WG	80w	120-277	12400		
AL570048WG	80w	277-480	12400		
AL570049WG	120w	120-277	18600		
AL570062WG	120w	277-480	18600		
AL570063WG	200w	120-277	31000		
AL570064WG	200w	277-480	31000		

### Notes

- Certified: 40w=Class I, Division 2, Groups A, B, C, D, T4A 80w/120w= Class I, Division 2, Groups A, B, C, D, T5
- Complies with: Class II, Division 1, Groups E, F, G, T4/T4A/T5 Class II, Division 2, Groups E, F, G, T4/T4A/T5 Class III
- CE =100-240V Ex mb eb IIC T4 Gb / EN 60079-31
- Lumens = Up to 165 lxw With wire Guard = up to 155 lxw
- All lumens per watt same for 4K/5K/57K/65K, 3000K 8% less
- Lumen Tolerance: ±10%
- SP = L/N-PE:10KV L-N:6KV
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

- Housing = IK10
- Housing Thickness: 1.5-10.5mm
- Lens: 110° = IK10 80° = IK09
- PC Lens Thickness: 110° = 2.5-7.5mm 80° = 1.8-7.5mm
- Paint Thickness = 60-120µm
- Housing Color = JL078Z (RAL 7038)
- UL844
- UL8750
- UL1598
- UL1598A
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.137.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
40w	1	76 x 22 x 30.5	0.0509	8.6
80w/120w/200w	1	141 x 22 x 30.5	0.0946	12.5

## HAZFQ1™

**Class I, Division 2, Groups A, B, C, D, T4/T4A/T5**  
**30w/60w/100w/150w**  
**200w/240w/300w/400w**



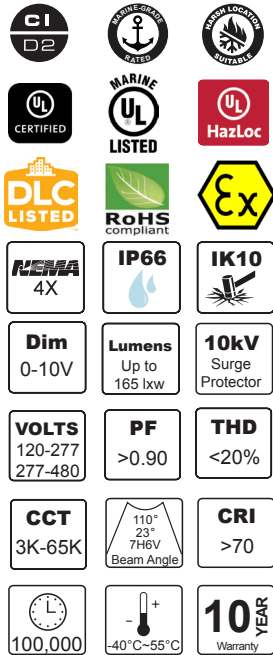
The HAZFQ1™ floodlight, is an explosion proof led fixture suitable for use in a wide range of indoor and outdoor Class I Division 2 applications.

Available in four options, HAZFQ1™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors or gases are present. They are an ideal solution where long life and low maintenance are desired.

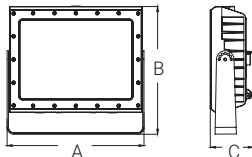
HAZFQ1™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, flat clear lens cover is high borosilicate tempered glass, 6mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Bridgelux led chip SMD 3030 (1w); fixture entry is 3/4". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZFQ1™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 165 lx w, standard 10KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of Industrial, hazardous and explosion proof applications.

HAZFQ1™ Series is certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world. These light fixtures are ideal for indoor and outdoor general area lighting in oil & gas refineries, drilling rigs, petrochemical plants, food and beverage facilities, and other industrial applications.



### Dimensions (mm)



Power	A	B	C
30w/60w	256	256	117
100w/150w	339	328	123
200w/240w	409	394	129
300w/400w	520	437	141

### Ordering information

Item	Watts	Voltage	Lumens	Item	Watts	Voltage	Lumens	CCT	Beam	Options
AL570025	30w	120-277	4950	AL570025WG	30w	120-277	4950	Blank	5000K	S Light Shield
AL570026	60w	120-277	9900	AL570026WG	60w	120-277	9900	3	3000K	B2 23° CE EU Certification
AL570027	100w	120-277	16500	AL570027WG	100w	120-277	16500	4	4000K	B7 7H6V
AL570028	150w	120-277	24750	AL570028WG	150w	120-277	24750	57	5700K	
AL570029	150w	277-480	24750	AL570029WG	150w	277-480	24750	65	6500K	
AL570030	200w	120-277	33000	AL570030WG	200w	120-277	33000			
AL570031	240w	120-277	39600	AL570031WG	240w	120-277	39600			
AL570065	300w	120-277	49500	AL570065WG	300w	120-277	49600			
AL570066	400w	120-277	66000	AL570066WG	400w	120-277	66000			

### Notes

- Certified:
  - 30w=Class I, Division 2, Groups A, B, C, D, T5
  - 60w-150w=Class I, Division 2, Groups A, B, C, D, T4A
  - 200w=Class I, Division 2, Groups A, B, C, D, T4
  - 240w=Class I, Division 2, Groups A, B, C, D, T4A
- Complies with:
  - Class II, Division 1, Groups E, F, G, T4/T4A/T5
  - Class II, Division 2, Groups E, F, G, T4/T4A/T5
  - Class III
- CE =100-240V  
Ex mb eb IIC T4 Gb / EN 60079-31

- Lumens based on 5000K & Beam 110°:
  - 110° = up to 165 lxw
  - 23° = up to 145 lxw
  - 7H6V = up to 165 lxw
- Lumens 3K = - 8%
- Lumen Tolerance: ±10%
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Beam:
  - 110° = Glass Only
  - 23° & 7H6V = PC & Glass Lens
- PC Lens Thickness:
  - 23° 30w-400w = >0.4mm
  - 7H6V 30w-400w = >2mm
- Glass Lens Thickness: 6mm
- Housing Thickness = >2.5mm
- Paint Thickness = 60-120um
- Housing Color = JL078Z (RAL 7038)
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 6100-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.250.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	34 x 31.5 x 16	0.0171	6.6
100w/150w	1	42.5 x 40 x 16.5	0.0280	10.7
200w/240w	1	49.5 x 49 x 17	0.0159	15.2
300w/400w	1	59 x 54 x 20	0.0637	26



## HAZFH1™

Class I, Division 2, Groups A, B, C, D, T4A/T5  
60w / 100w / 150w


HAZFH1™ Series floodlights consume 50% less energy than traditional HID fixtures and provides years of high-quality, maintenance-free illumination for Class I Division 2 applications. Engineered for maximum durability in harsh and hazardous locations, the flood light is marine-grade and able to operate in temperatures of up to 55°C.

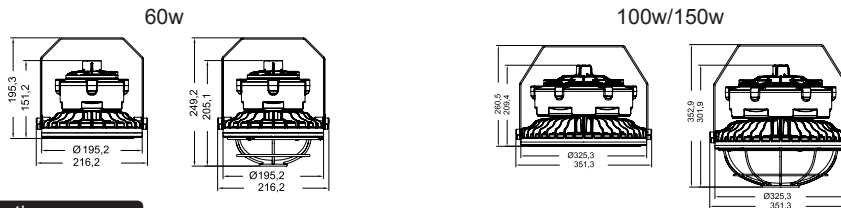
HAZFH1™ Series floodlights trunnion mount luminaires provide directional lighting in both vertical and horizontal planes when used with floodlight mounting hardware. These floodlights are ideal for outdoor wall and stanchion mounted general area lighting

HAZFH1™ Series fixtures are built to protect, save and last longer. Fixture body made of ADC12 die casting aluminum ≤0.4% copper-free; all screws are 304 stainless steel, flat clear lens cover is high borosilicate tempered glass, 8mm thickness. Wireguard made of SUS304 stainless steel with white powder painting, UL 1598A standard. State of the art Sosen driver, Samsung led chip SMD 2835 (0.5W); fixture entry is ¾". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZFH1™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 155 lx w, standard 10KV standard protection, it lowers energy consumption while providing 100,000+ hours of running lamp life. It sets the bar even higher for the lighting industry in terms of shock resistance (IK10), cold start capabilities, minimal heat production which improves service life, and overall safety. Certified for Class I, Division 2, it provides global lighting solutions for a wide range of industrial and hazardous applications.

HAZFH1™ Series are certified for use in UL, cUL and complies with IEC hazardous locations, providing a single solution for applications around the world Typical applications include Oil and Gas Refineries, Petrochemical Plants, Foundries, Drilling Rigs, Pulp and Paper Mills, Food and Beverage Processing Facilities, Loading Docks, Power Plants, Water and Wastewater Treatment Facilities and other areas where corrosive, wet, dirty and tough environments are a problem.

### Dimensions (mm)



### Ordering information

Item	Watts	Voltage	Lumens	CCT	Options
AL570013	60w	100-277	8400	Blank	5000K CE EU Certification
AL570014	100w	100-277	15000	3	3000K
AL570015	150w	100-277	23250	4	4000K
AL570016	150w	277-480	22500	57	5700K
AL570013WG	60w	100-277	8100	65	6500K
AL570014WG	100w	100-277	14500		
AL570015WG	150w	100-277	22500		
AL570016WG	150w	277-480	21750		

### Notes

- Certified: 30w/100w=Class I, Division 2, Groups A, B, C, D, T5 60w/150w=Class I, Division 2, Groups A, B, C, D, T4A
- Complies with: Class II, Division 1, Groups E, F, G, T4A/T5 Class II, Division 2, Groups E, F, G, T4A/T5 Class III
- CE =100-240V Ex mb eb IIC T4 Gb / Ex tb IIIC T80°C Db

- All lumens per watt same for 4K/5K/57K/65K. 3000K: 8% less
- 6500K= No DLC
- SP 60w=6kV, 100w/150w=10kV
- Housing Color = JL078Z (RAL 7038)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Salt Chamber Test: 1000 hours

### Tests / Certificates:

- UL844
- UL8750
- UL1598
- UL1598A
- EMC 2014/30/EU
- EN 55015:2013/A1:2015
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- CSA22.2 No.137.0
- CSA22.2 No.250.0
- CSA22.2 No.137.13
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

### Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
60w	2	50 x 25.5 x 26	0.0331	8.92
60w with Wireguard	2	50 x 25.5 x 31	0.0395	9.88
100w/150w	1	40 x 40 x 34.5	0.0552	12.35
100w/150w with Wireguard	1	40 x 40 x 44	0.0704	13.83



## Warranty

Americanlite® is pleased to provide a 10 year limited warranty covering the LED fixtures in this catalogue. Americanlite® warrants that the LED fixtures comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our equipment is UL, ETL or CE approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed lamp to determine the cause of failure, excessive lumen depreciation and patterns of usage.