



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.

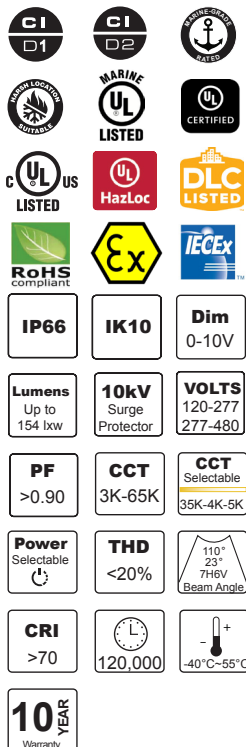
Group C - The chemical materials in Group C fall within the range between Groups B and D in both the explosion pressures generated and the gap between mating surfaces of explosion proof equipment that will prevent an explosion.

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.

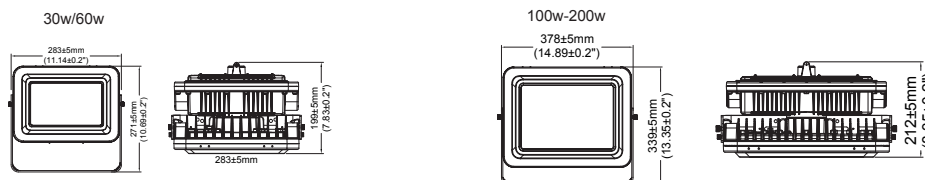
Available in four options, HAZFXP™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors 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 $\leq 0.4\%$ 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 $\frac{3}{4}$ ". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

HAZFXP™ Series delivers exceptional efficiency, performance and advanced engineering. Up to 154 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 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	Blank	5000K	Blank 110°
AL570018	60w	120-277	9240	3	3000K	B2 23°
AL570019	100w	120-277	15400	4	4000K	B7 7H6V
AL570020	150w	120-277	23100	57	5700K	CE European Certification
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° M Marine Grade
	30w	4250	4620	4620	B7	7H6V CE European Certification
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

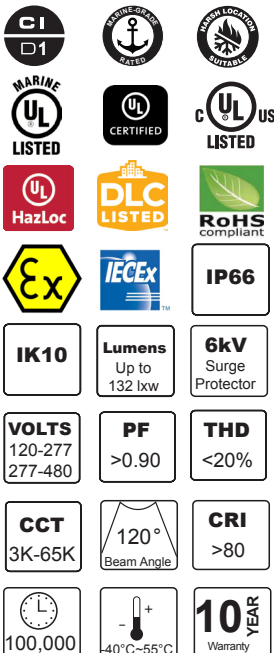
- Certified:
 - 30w = Class I, Division 1, Groups C, D, T6
 - Class I, Division 2, Groups A, B, C, T5
 - 60w = Class I, Division 1, Groups C, D, T6
 - Class I, Division 2, Groups A, B, C, T4
 - 100w/150w = Class I, Division 1, Groups C, D, T6
 - Class I, Division 2, Groups A, B, C, D, T4A
 - 200w = Class I, Division 1, Groups C, D, T5
 - Class I, Division 2, Groups A, B, C, D, T4
- CE = 100-240V
- Ex db IIC T8 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 lxw
 - 23° = up to 135 lxw
 - 7H6V = up to 153 lxw
- Lumens 3K = -8%
- 6500K = No DLC
- Lumen Tolerance: $\pm 10\%$
- SP = L/N-PE:10KV L-N:6KV
- Housing Thickness = $> 3.5\text{mm}$
- Paint Thickness = 150um
- Housing Color = JLO78Z (RAL 7038)
- Beam:
 - 110° = Glass Only
 - 23° & 7H6V = PC & Glass Lens
- PC Lens Thickness:
 - 23° 30w/60w = 19.2mm
 - 23° 100w-200w = 19.3mm
 - 7H6V 30w/60w = 8.5mm
 - 7H6V 100w-200w = 9.1mm
- Glass Lens Thickness: 15mm
- WG = Wire Guard
- 100,000 hours life @ $< T_c 70^\circ\text{C}$

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



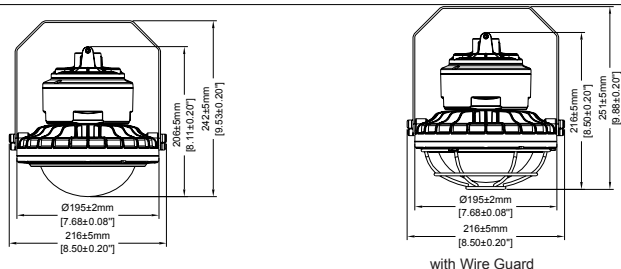
The HAZHXP1™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 1 applications. Available in four options, HAZHXP1™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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	M Marine Grade
AL570045	60w	120-277	7920	AL570045WG	60w	120-277	7320	3 3000K	CE European Certification
								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

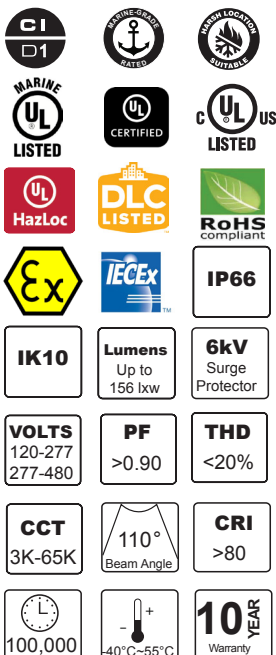
- Lumens = 132 lxw
With wire Guard = 122 lxw
- Lumen Tolerance: ±10%
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV
150w (277-480V) = L/N-PE: 4KV, L-N: 4KV
- Housing Thickness = 3.5-3.7mm
- Paint Thickness = 80-120um
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness = 15mm
- WG = Wire Guard
- 100,000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

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 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



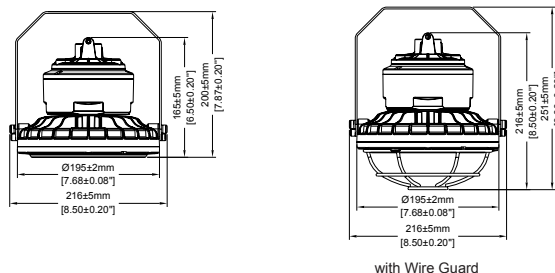
The HAZHXP2™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 1 applications. Available in four options, HAZHXP2™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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 ¾". 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	M Marine Grade
								57 5700K	CE European Certification
								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
- WG = Wire Guard

- 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
- 100,000 hours life @ <Tc 70°C

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

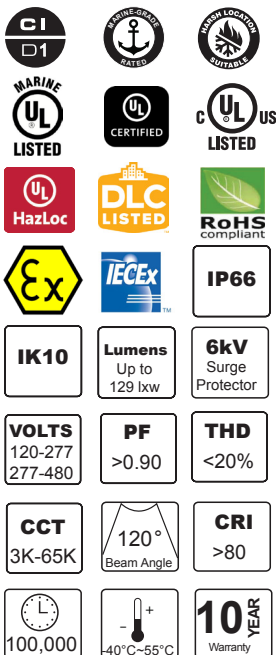
Packing information

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



HAZHXP3™

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



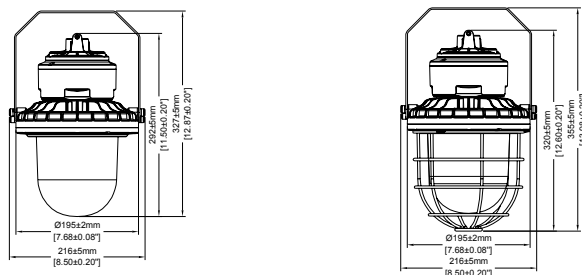
The HAZHXP3™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 1 applications. Available in four options, HAZHXP3™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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 $\leq 0.4\%$ 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 $\frac{3}{4}$ ". All components are painted with our exclusive Duratek™ polyester powder coat finish and applied by electrostatic process, for durability and corrosion protection.

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)



with Wire Guard

Ordering information

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

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: $\pm 10\%$
- 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 @ $T_c 70^\circ\text{C}$

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

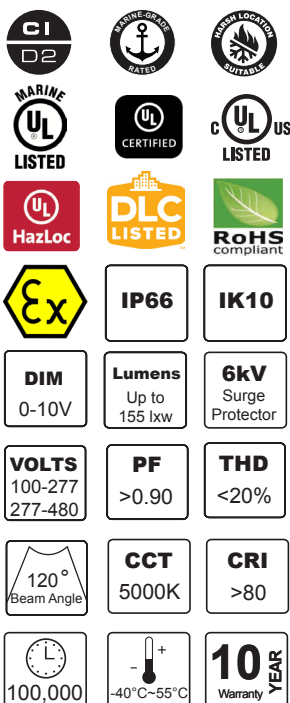
Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	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



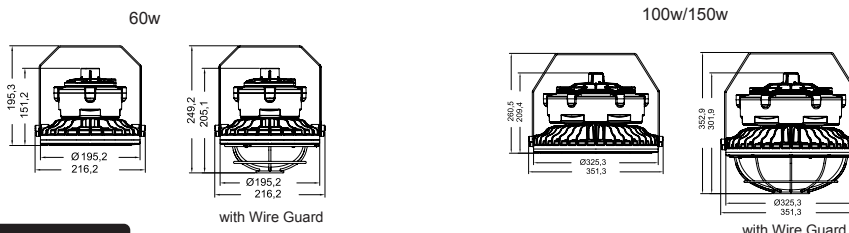
The HAZRH2™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH2™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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 3/4". 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 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.

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	Blank	5000K
AL570005	100w	100-277	14500	3	3000K
AL570006	150w	100-277	23250	4	4000K
AL570007	150w	277-480	22500	57	5700K
AL570004WG	60w	100-277	7200	65	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

- 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

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

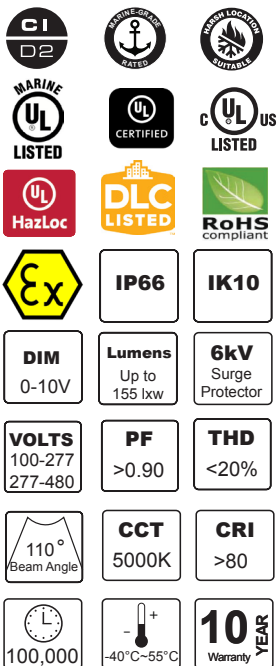
Packing information

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



HAZRH1™

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



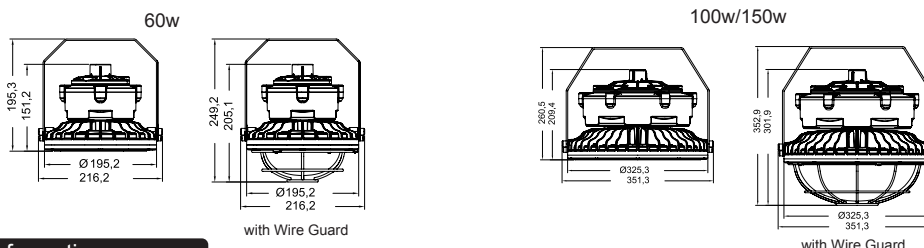
The HAZRH1™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH1™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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 l x 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.

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 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

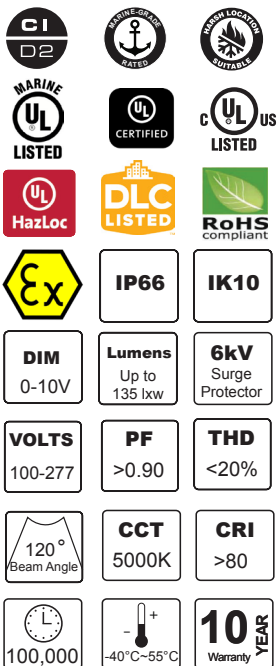
- All lumens per watt same for
4K/5K/57K/65K. 3000K: 8% less
- 6500K= No DLC
- SP 60w=6kV, 100w/150w=10kV
- Housing Color = JL078Z (RAL7038)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C

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



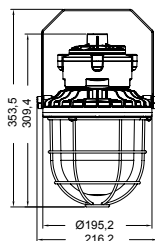
The HAZRH3™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. HAZRH3™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures. The compact and low 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	Blank 5000K	M Marine Grade
AL570008WG	60w	100-277	7800	3 3000K 4 4000K 57 5700K 65 6500K	CE European Certification

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)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C

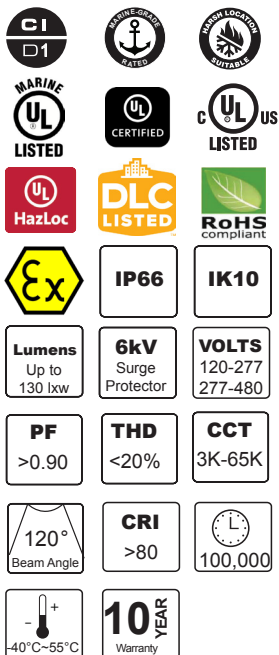
Tests / Certificates:

- 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

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



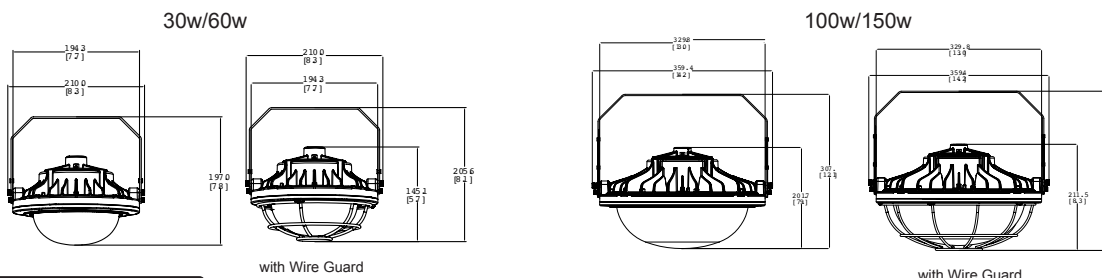
The HAZRH4™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH4™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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	Item	Watts	Voltage	Lumens	CCT	Options
AL570032	30w	120-277	3900	AL570032WG	30w	120-277	3510	Blank	5000K
AL570033	60w	120-277	7800	AL570033WG	60w	120-277	7020	3	3000K
AL570034	100w	120-277	13000	AL570034WG	100w	120-277	11700	4	4000K
AL570035	150w	120-277	19500	AL570035WG	150w	120-277	17550	57	5700K
AL570036	150w	277-480	19500	AL570036WG	150w	277-480	17550	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

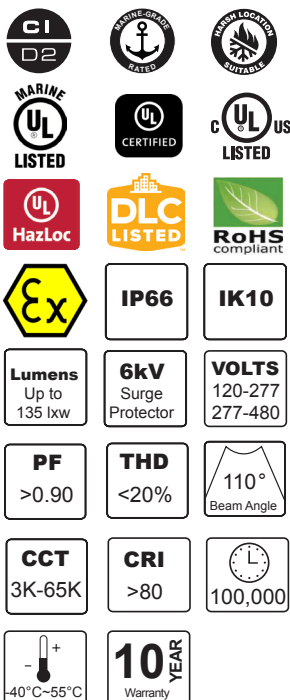
- Lumen Tolerance: $\pm 10\%$
- Lumens = 130 lxw
With wire Guard = 117 lxw
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV
150w (277-480V) = L/N-PE: 4KV, L-N: 4KV
- Housing Thickness = 1mm
- Paint Thickness = $>90\mu\text{m}$
- Housing Color = JL078Z (RAL 7038)
- Glass Lens Thickness: 8mm
- Glass = IK07
-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

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 61000-3-2:2014
- EN 61000-3-3:2013
- LVD 2014/35/EU
- EN 60598-1:2015/AC:2016
- EN 60598-2-1:1989
- 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



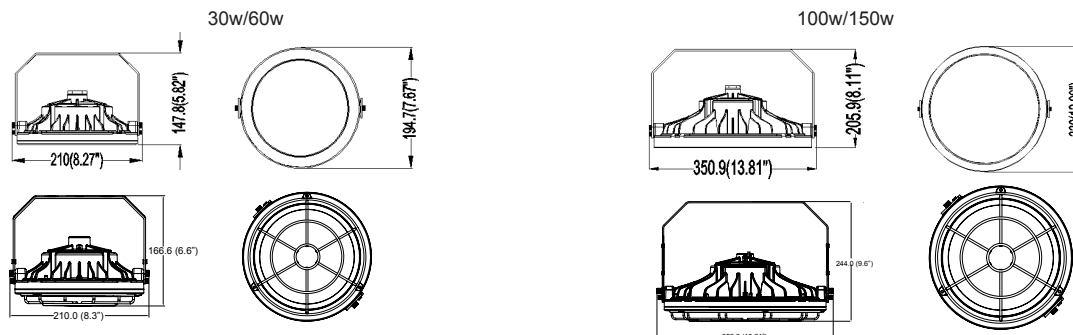
The HAZRH5™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH5™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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-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.

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	Item	Watts	Voltage	Lumens	CCT	Options
AL570037	30w	120-277	4050	AL570037WG	30w	120-277	3750	Blank	5000K
AL570038	60w	120-277	8100	AL570038WG	60w	120-277	7500	3	3000K
AL570039	100w	120-277	13500	AL570039WG	100w	120-277	12500	4	4000K
AL570040	150w	120-277	20250	AL570040WG	150w	120-277	18750	57	5700K
AL570041	150w	277-480	20250	AL570041WG	150w	277-480	18750	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

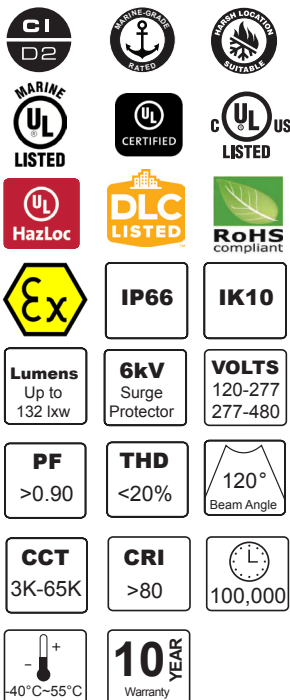
- Beam: Standard 110°
PC Lens: 80°
- Housing Thickness = 1mm
- Paint Thickness = $> 90\mu\text{m}$
- Housing Color = JL 078Z (RAL 7038)
- Glass Lens Thickness: 8mm
- Glass = IK07
- WG = Wire Guard
- 100,000 hours life @ $< T_c 70^\circ\text{C}$

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



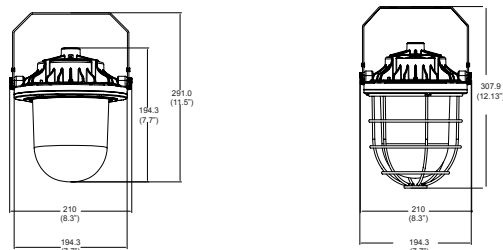
The HAZRH6™ Series round high bay, is a hazardous location family of fixtures suitable for use in a wide range of indoor and outdoor Class I Division 2 applications. Available in four options, HAZRH6™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID 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)



with Wire Guard

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

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

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

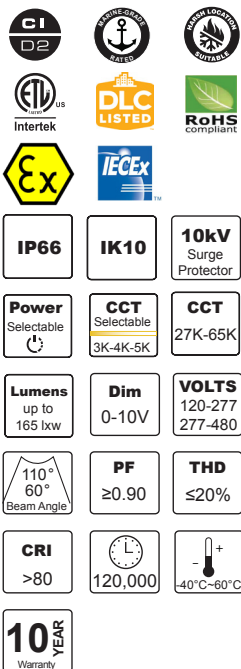
Packing information

Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	4	47 x 47 x 19.3	0.0426	10.6



HAZRH7™

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



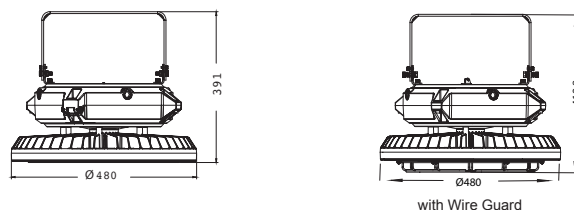
The HAZRH7™ Series LED round high bay is a robust fixture family designed for hazardous locations and certified for Class I, Division 2, Groups A, B, C, D, T5 environments. Engineered for versatility, the HAZRH7™ Series supports ceiling, pendant, wall, and surface mounting applications, offering a superior 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 ¾" 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
AL570054	200w/150w/100w	33000/24750/16500	Blank 5000K
AL570055	240w/180w/120w	39600/29700/19800	3 3000K
AL570056	300w/225w/150w	49500/37125/24750	4 4000K
AL570057	400w/300w/200w	66000/49500/33000	57 5700K
			65 6500K

Power Selectable / Single CCT WG

Item	Power	Lumens	CCT
AL570054WG	200w/150w/100w	31000/23250/15500	Blank 5000K
AL570055WG	240w/180w/120w	37200/27900/18600	3 3000K
AL570056WG	300w/225w/150w	46500/34875/23250	4 4000K
AL570057WG	400w/300w/200w	62000/46500/31000	57 5700K
			65 6500K

CCT/Power Selectable

Item	Power	3000K	4000K	5000K
AL570058	200w	29200	32600	30800
	150w	21900	24450	23100
	100w	14600	16300	15400
AL570059	240w	35040	39120	36960
	180w	26280	29340	27720
	120w	17520	19560	18480
AL570060	300w	43800	48900	46200
	225w	32850	36675	34650
	150w	21900	24550	23100
AL570061	400w	58400	65200	61600
	300w	43800	48900	46200
	200w	29200	32600	30800

CCT/Power Selectable with WG

Item	Power	3000K	4000K	5000K	Beam	Options
AL570058WG	200w	27400	30600	29000	Blank 110°	48 277-480V
	150w	20550	22950	21750	62 60°	M Marine Grade
	100w	13700	15300	14500		
AL570059WG	240w	32880	36720	34800		
	180w	24660	27540	26100		
	120w	16440	18390	17400		
AL570060WG	300w	41100	45900	43500		
	225w	30825	34425	32625		
	150w	20550	22950	21750		
AL570061WG	400w	54800	61200	58000		
	300w	41100	45900	43500		
	200w	27400	30600	29000		

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
- 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
- WG = Wire Guard

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

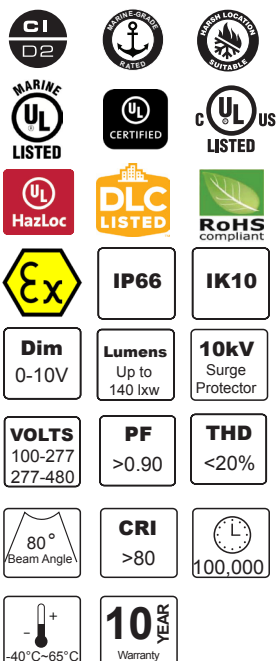
Packing information

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



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.

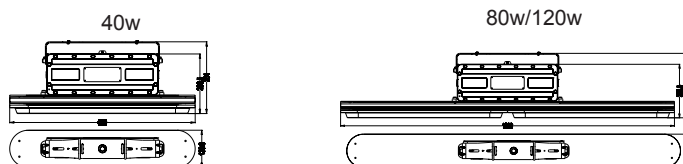
The HAZLH1™ Series is a linear LED luminaire engineered to stand up to the toughest operating conditions in Class I Division 2 environments such as petroleum refineries and grain processing facilities. A slim and lightweight profile and variety of mounting options enable this long-lasting, high-performance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

Dimensions (mm)



Ordering information

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

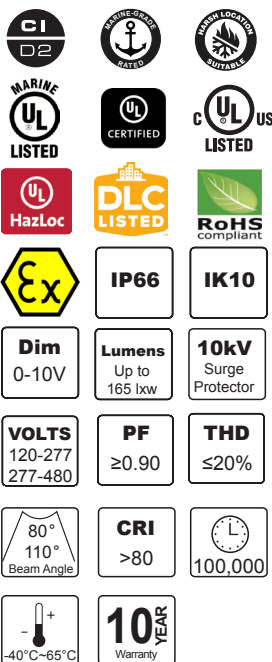
- DLC for 80°, 6500K= No DLC
- Housing=IK10 Glass=IK08
- Beam 60° & 90° 130lxw
3000K: 8% less
- Housing Color = JL078Z (RAL 7038)
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C

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

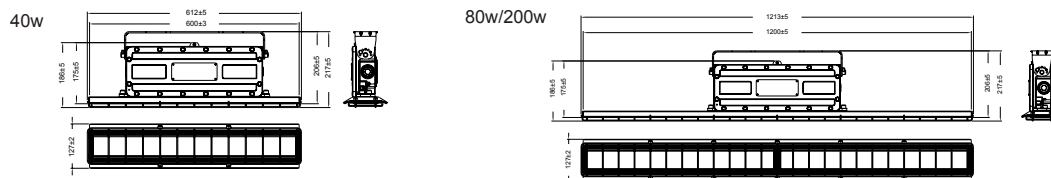
The HAZLH2™ Series is a linear LED luminaire engineered to stand up to the toughest operating conditions in Class I Division 2 environments such as petroleum refineries and grain processing facilities. A slim and lightweight profile and variety of mounting options enable this long-lasting, high-performance 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	Options
AL570046	40w	120-277	6600	Blank	5000K	M Marine Grade
AL570047	80w	120-277	13200	3	3000K	
AL570048	80w	277-480	13200	4	4000K	
AL570049	120w	120-277	19200	57	5700K	
AL570062	120w	277-480	19200	65	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

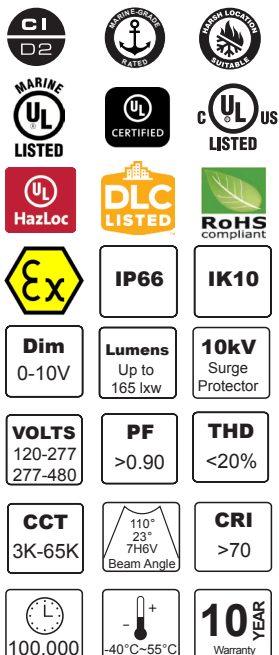
Tests / Certificates:

- 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

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



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.

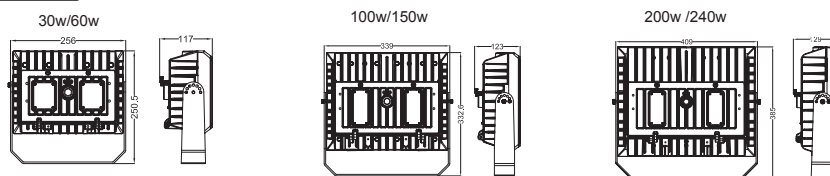
Available in four options, HAZFQ1™ Series can be used for ceiling, pendant, wall and surface applications, and replace traditional HID fixtures ranging from 100W to over 400W. The compact and low weight luminaires are safe and easy to use in harsh and hazardous locations where flammable, explosive vapors 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 ¾". 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 lxw, 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)



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	Blank 110° S Light Shield
AL570026	60w	120-277	9900	AL570026WG	60w	120-277	9900	3	3000K	B2 23° M Marine Grade
AL570027	100w	120-277	16500	AL570027WG	100w	120-277	16500	4	4000K	B7 7H6V CE European Certification
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			

Notes

- Certified:
 30w=Class I, Division 2, Groups A, B, C, D, T5
 60w-150w=Class I, Division 2, Groups A, B, C, D, T4
 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

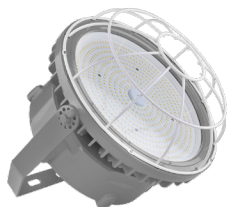
- Lumens based on 5000K & Beam 110°:
 110° = up to 165 lxw
 23° = up to 145 lxw
 7H6V = up to 165 lxw
- Lumens 3K = - 8%
- Lumen Tolerance: ±10%
- 6500K= No DLC
- SP = L/N-PE:10KV L-N:6KV
- WG = Wire Guard
- 100,000 hours life @ <Tc 70°C
- Beam:
 110° = Glass Only
 23° & 7H6V = PC & Glass Lens
- PC Lens Thickness:
 23° 30w-240w = >0.4mm
 7H6V 30w-240w = >2mm
- Glass Lens Thickness: 6mm
- Housing Thickness = >2.5mm
- Paint Thickness = 60-120um
- 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
- Complies
- IEC 60079-0
- IEC 60079-7
- IEC 60079-18
- IEC 60079-31

Packing information

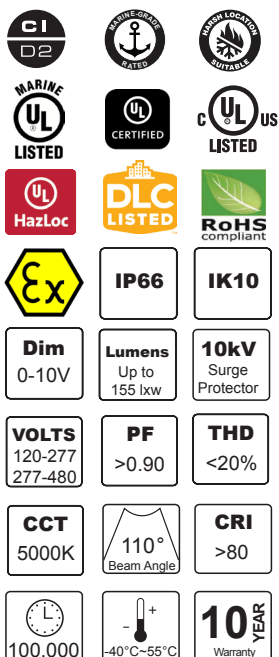
Model	Pieces / master	Box Dimensions (cm)	CBM (Master)	Gross weight (Kg)
30w/60w	1	34 x 31.5 x 16	0.0171	6.6
100w/150w	1	42.5 x 40 x 16.5	0.0280	10.7
200w/240w	1	49.5 x 49 x 17	0.0159	15.2



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.

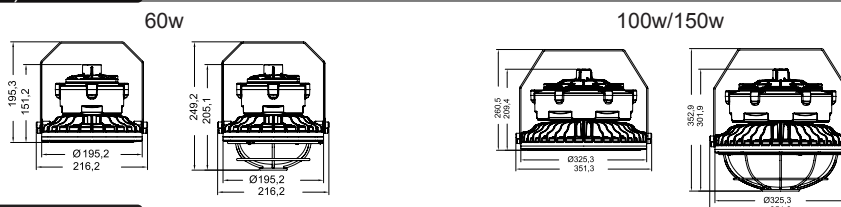
HAZFH1™ Series floodlights trunnion mount luminaires provide directional lighting in both vertical and horizontal planes when used with floodlight mounting hardware. These floodlights are ideal for outdoor wall and stanchion mounted general area lighting

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 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 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
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

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.