



Class I Division 2 Hazardous Location Information

Explanation
Specification
Certification

Flammable Gases & Vapors

1. Volatile flammable liquids or flammable gases are handled, processed or used, but the hazardous liquids, vapors or gases will normally be confined within closed containers or closed systems from which they can escape only in the event of accidental rupture or breakdown of containers or systems, or as a result of abnormal equipment operation.
2. Ignitable concentrations of gases or vapors are normally prevented by positive mechanical ventilation and which might become hazardous through failure or abnormal operations of ventilating equipment.
3. Adjacent to a Class I, Division 1 location, and where ignitable concentrations of gases or vapors might occasionally be communicated unless such communication is prevented by adequate positive-pressure ventilation from a source of clean air, and effective safeguards against ventilation failure are provided.

A Hazardous Location Requires:



Ignition Source

1. There must be Fuel to burn.
2. There must be Air to supply oxygen.
3. There must be Heat to start and continue the combustion process.

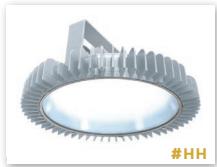
Class I Groups

Group A	Group B	Group C	Group D
<ul style="list-style-type: none"> • Acetylene 	<ul style="list-style-type: none"> • Hydrogen • Butadine • Ethylene Oxide • Propylene Oxide • Acrolien 	<ul style="list-style-type: none"> • Ethylene • Cyclopropane • Ethyl Ether 	<ul style="list-style-type: none"> • Propane • Acetone • Ammonia • Benzene • Gasoline • Hexane • Methanol • Naptha • Natural Gas • Ethanol • Butane • Toluene

GAS & VAPOR Volatility Temperature Chart	
Gas Type by Volatility	Typical Self Ignition
Carbon Disulphide	90°C / 194°F
Ethyl Nitrate	90°C / 194°F
Butane	287°C / 548°F
Acetylene	300°C / 572°F
Ethyl Acetate	425°C / 797°F
Acetone	465°C / 869°F
Benzene	498°C / 928°F
Hydrogen	500°C / 932°F
Industrial Methane	535°C / 995°F
Carbon Monoxide	605°C / 1,121°F
Ammonia	650°C / 1,202°F

T - RATING CHART		
T-CODES NEC 505	NEC 500	MAX Surface Temperature
T1	T1	450°C / 842°F
T2	T2	300°C / 572°F
	T2A	280°C / 536°F
	T2B	260°C / 500°F
	T2C	230°C / 446°F
	T2D	215°C / 419°F
T3	T3	200°C / 392°F
	T3A	180°C / 356°F
	T3B	165°C / 329°F
	T3C	160°C / 320°F
T4	T4	135°C / 275°F
	T4A	120°C / 248°F
T5	T5	100°C / 212°F
T6	T6	85°C / 185°F

Solas Ray - CLASS I DIVISION 2 PRODUCTS



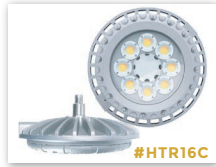
The Beast
T5 / IP66

#HH



The mini Beast
T5 / IP66

#HL



The Boss
T3 / IP67

#HTR16C



The Guard C
T3C / IP67

#HTR11C



The Monitor C
T4 / IP67

#HTR9C



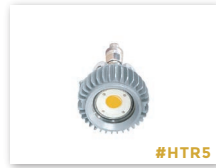
The Lookout S
T3C / IP67

#HTR7S



The Scout C
T3C / IP67

#HTJ



The Spotter C
T3B / IP67

#HTR5



The Sentinel
T4 / IP66

#HJCR



The Foreman
T3 / IP66

#HJBR



The Pilot
T4 / IP66

#HJGJJ



The Cadet
T4 / IP66

#HQC



The Barrier
T3 / IP66

#HBVT



The Keeper Two
T4 / T4A / IP67

#HTL2



The Curator
T6 / IP66

#HJKL



The Steward
T4 / IP66

#HJL



The Primer
T4 / IP67

#RLTS



The Flyer
T4 / IP66

#HJHL



The Mariner One
T4 / IP67

#HQH1



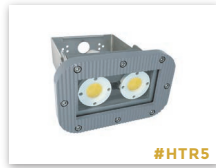
The Mariner Two
T4 / IP67

#HQH2



The Mariner Four
T4 / IP67

#HQH4



The Attendant
T4 / IP67

#HTR5



The Dominator
T5 / IP667

#HJDS



The Patroller
T3 / IP66

#HJAS



The Warden
T5 / IP67

#HCS



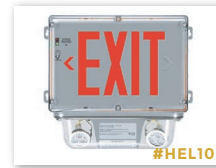
The Trooper
T4 / IP66

#HQT



The Navigator
T3C / IP67

#HCCH



The Director
T5 / IP68

#HEL10



The Guide
T4 / IP66

#HJES



The Evader
T4 / IP67

#HLWLEZU



The Pathfinder
T4 / IP67

#HPTL