



Class II Division 2 Hazardous Location Information

Explanation
Specification
Certification

Combustible Dusts

1. Combustible dust will not normally be in suspension in the air in quantities sufficient to produce explosive or ignitable mixtures, and dust accumulations will normally be insufficient to interfere with the normal operation of electric equipment or other apparatus, but combustible dust may be in suspension in the air as a result of infrequent malfunctioning of handling or processing equipment.
2. Resulting combustible dust accumulations on, in or in the vicinity of the electric equipment may be sufficient to interfere with the safe dissipation of heat from electric equipment or may be ignitable by abnormal operation or failure of electric equipment.

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.

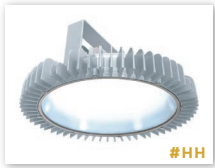
Class II Groups

Group E	Group F	Group G
<ul style="list-style-type: none"> • Aluminum • Magnesium • Commercial Alloys • Combustible • Metal Dusts 	<ul style="list-style-type: none"> • Coal • Carbon Black • Charcoal • Coke Dusts • Combustible • Carbonaceous Dusts 	<ul style="list-style-type: none"> • Flour • Grain • Wood • Plastic • Chemicals • Other Combustible Dusts

COMBUSTIBLE DUST Volatility Temperature Chart		
Dust Type by Volatility	Typical Self Ignition Temperature	
	Cloud	Layer
Lignite	380°C / 716°F	225°C / 437°F
Lead	460°C / 860°F	240°C / 464°F
Cellulose	490°C / 914°F	430°C / 806°F
Flour	490°C / 914°F	430°C / 806°F
Cocoa	500°C / 932°F	200°C / 392°F
Polyacrylonitrile	540°C / 1,004°F	400°C / 752°F
Soya Meal	540°C / 1,004°F	340°C / 644°F
Zinc	570°C / 1,058°F	440°C / 824°F

T - RATING CHART		
T-CODES NEC 505	T-CODES NEC 500	MAX Surface Temperature
T2	T2	300°C / 572°F
	T2A	280°C / 536°F
	T2B	260°C / 500°F
	T2C	230°C / 446°F
T3	T2D	215°C / 419°F
	T3	200°C / 392°F
	T3A	180°C / 356°F
	T3B	165°C / 329°F
T4	T3C	160°C / 320°F
	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 II DIVISION 2 PRODUCTS



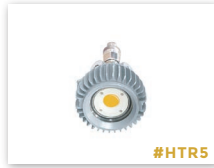
The Beast
T5 / IP66



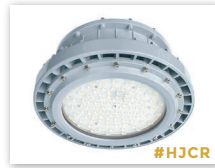
The mini Beast
T5 / IP66



The Monitor C
T5 / IP67



The Spotter C
T5 / IP67



The Sentinel
T4 / IP66



The Foreman
T3 / IP66



The Pilot
T4 / IP66



The Brute
T4 / IP66



The Keeper One
T6 / IP67



The Keeper Two
T4A / IP67



The Curator
T6 / IP66



The Steward
T4 / IP66



The Flyer
T4 / IP66



The Dominator
T5 / IP66



The Patroller
T3 / IP66



The Guide
T4 / IP66



The Pathfinder
T4 / IP67