

# IECEX/ANZEx Equipment Selection Chart

## HAZARDOUS ZONES

ZONE Classification	Protection Method	Kinyun LED Lamp Ex Code
<b>ZONE 0</b> Flammable atmosphere continuously present, or present for long periods (more than 1,000 hours per year.)	Ex ia: Intrinsically safe with two faults Ex s: Special protection (approved for Zone 0)	<p><b>Ex ia IIC T3 IP67</b> Intrinsically safe with two faults</p> <p>It covers all zones</p>
<b>ZONE 1</b> Flammable atmosphere likely occur in normal operation (more than 10 hours per year, but less than 1,000 hours per year)	Ex d: Flameproof Ex ib: Intrinsically safe with one fault Ex p: Pressurization for Zone 1 Ex p1: Purging for Zone 1 Ex m: Encapsulation Ex e: Increased safety Ex v: Ventilation Ex s: Special protection for Zone 1	
<b>ZONE 2</b> Flammable atmosphere not likely occur and if it occurs will exist only for a short time (less than 10 hours per year)	Ex n: Non incentive Ex p: Pressurization for Zone 2 Ex p1: Purging for Zone 2 Ex v: Ventilation for Zone 2 Ex s: Special protection for Zone 1	

## GAS GROUPS & TEMPERATURE CLASSES

Gas Group	Common gas or vapour in this group	Temperature Class for this gas	Kinyun LED Lamp Ex Code
IIC	Carbon disulphide	T6	<p><b>Ex ia IIC T3 IP67</b> Gas Groups: IIC, IIB &amp; IIA Temperature Classes: T1 ~ T3 It covers petrol, nature gas, LPG, Acetylene, Hydrogen, Ethanol and Ammonia. It meets requirement of firefighting services and rescues.</p>
	Acetylene	T2	
IIB	Hydrogen	T1	
	Ethylene	T2	
IIA	Carbon Monoxide	T1	
	Kerosene	T3	
	Ethanol, Butane Ammonia	T2 T1	



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