

Ex-Solutions™ hazardous location lighting Product selector

Hazardous location lighting fixtures are designed to handle the highly combustible dusts, corrosive elements, and flammable gases or vapors that are or may be present in the air in any industrial facility. The selection of the right fixture is critical to help reduce potential risks of explosions and keep applications and personnel safe. To select the right hazardous lighting fixture, five elements must be considered: classes, divisions, groups, ambient temperature, and temperature (T-code).

Classification
Class I
Class II
Class III

4. Ambient temperature



2 Divisions

2. C	. Divisions	
	Division	
	Division I	
	Division II	

3. Groups

Groups	Flammable material
A	Acetylene
В	Hydrogen
	Butadiene
	Ethylene Oxide
	Propylene Oxide
С	Ethylene
	Cyclopropane
	Ethyl Ether
D	Propane
	Acetone
	Ammonia
	Groups A B C D

5. Temperature (T-Code)

NEC 500 CEC	Max. surface temperature
T1	450° C (842° F)
Т2	300° C (572° F)
T2A	280° C (536° F)
Т2В	260° C (500° F)
T2C	230° C (446° F)
T2D	215° C (419° F)
Т3	200° C (392° F)
ТЗА	180° C (356° F)
ТЗВ	165° C (329° F)
тзс	160° C (320° F)
T4	135° C (275° F)
T4A	120° C (248° F)
Т5	100° C (212° F)
Т6	85° C (185° F)

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