

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).

1. Classification

Classification	
<input type="checkbox"/>	Class I
<input type="checkbox"/>	Class II
<input type="checkbox"/>	Class III

2. Divisions

Division	
<input type="checkbox"/>	Division I
<input type="checkbox"/>	Division II

3. Groups

Groups	Flammable material
<input type="checkbox"/> A	Acetylene
<input type="checkbox"/> B	Hydrogen
	Butadiene
	Ethylene Oxide
	Propylene Oxide
<input type="checkbox"/> C	Ethylene
	Cyclopropane
	Ethyl Ether
<input type="checkbox"/> D	Propane
	Acetone
	Ammonia

4. Ambient temperature



5. Temperature (T-Code)

NEC 500 CEC	Max. surface temperature
<input type="checkbox"/> T1	450° C (842° F)
<input type="checkbox"/> T2	300° C (572° F)
<input type="checkbox"/> T2A	280° C (536° F)
<input type="checkbox"/> T2B	260° C (500° F)
<input type="checkbox"/> T2C	230° C (446° F)
<input type="checkbox"/> T2D	215° C (419° F)
<input type="checkbox"/> T3	200° C (392° F)
<input type="checkbox"/> T3A	180° C (356° F)
<input type="checkbox"/> T3B	165° C (329° F)
<input type="checkbox"/> T3C	160° C (320° F)
<input type="checkbox"/> T4	135° C (275° F)
<input type="checkbox"/> T4A	120° C (248° F)
<input type="checkbox"/> T5	100° C (212° F)
<input type="checkbox"/> T6	85° C (185° F)