**Selecting HazLoc LED Lighting by Class**

**CLASS I** Easily ignitable fibers or materials producing combustible flumes are handled, manufactured or used.

**CLASS II** Flammable Gases or Vapors.

**CLASS III** Combustible Dusts that may Accumulate.

### Class I Division 1

1. A各类 location, or Group A location, is a location where ignitable concentrations of gases or vapors may exist in the event of accidental rupture or breakdown of equipment. The location may also cause simultaneous failure of electric equipment or other apparatus, but combustible dust may be in suspension in the air as a result of normal operation of processing equipment.

2. Where electrically conductive dusts in hazardous concentrations are present. Group E, F, G.

3. Where electrically non-conductive dusts in hazardous concentrations are present. Groups A, B, C, D.

### Class I Division 2

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs. This could be on a continuous, periodic or intermittent basis.

2. Where an ignitable and/or explosive mixture could be produced if a mechanical failure or abnormal machinery operation occurs.

3. Where combustible dust is present in the air under normal operating conditions in such a quantity as to produce explosive or ignitable mixtures. This could be on a continuous, periodic or intermittent basis.

### Class II Division 1

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically conductive dusts in hazardous concentrations are present.

### Class II Division 2

1. Class II Division 1 locations that require electric equipment to be serviceable in the event of an occurring explosion or to be fail-safe where failure of the equipment might cause an explosion.

2. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

3. Where combustible dust is present in the air under normal operating conditions in such a quantity as to produce explosive or ignitable mixtures, and dust may be in suspension in the air as a result of normal operation of processing equipment.

### Class III Division 1

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present. Groups E, F, G.

### Class III Division 2

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically non-conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present. Groups E, F, G.

### Class III Division 3

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically non-conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present. Groups E, F, G.

### Class III Division 4

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically non-conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present. Groups E, F, G.

### Groups A, B, C, D

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present.

### Groups E, F, G

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically non-conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present.

### Groups H

1. A各类 location, or Group A location, is a location where ignitable and/or explosive mixtures may be produced if a mechanical failure or abnormal machinery operation occurs.

2. Where electrically non-conductive dusts in hazardous concentrations are present.

3. Where electrically non-conductive dusts in hazardous concentrations are present.

### HazLoc LED Fixtures

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