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Industrial locations like oil refineries, power plants including nuclear power plants, factories manufacturing chemicals and mining sites etc. require exclusive types of lighting fixtures that can withstand the environmental hazards and ensure durability. Hazardous location lighting is totally different from lighting of other places since the various fixtures are continuously exposed to higher temperature and pressure, dust, smoke and other emissions that may be even corrosive. There are various manufacturers specialized in producing lighting fixtures suitable for polluted environment. Besides ensuring durability these fixtures will not incur much maintenance expenses.

The companies that produce these special types of fixtures for electrification ensure strict quality control. When they produce them for a particular industry they follow customized specifications and test the resistance of each product against the various environmental conditions that are expected with the particular industry. They make the products 100% safe and reliable. By way of increasing the sustainability of the fixtures, they are made durable and also with less maintenance costs.

The latest types of fixtures for hazardous location lighting include LED lamps, explosion resistant HID fittings and fluorescent lights. The reputed companies manufacture these products according to international standards of quality. It is really a challenging task for these companies to produce lighting equipments for various offshore projects where the fixtures should be resistant to corrosion by sea water. In order to withstand corrosion, they make the body of the fixtures with glass reinforced polyester and for saline environment they use poly carbonate diffuses. Generally, the enclosures of the lamps are made highly strong as well as resistant to all types of corrosion. The enclosures as well as mountings of these lights ensure maximum ingress protection. These companies also offer highly reliable products for portable lighting at industrial installations.

For the electrification of areas where vigorous construction activities are going on, these companies offer various types of lights such as HID temporary lights, series of extension lights, plugs and other fixtures. By way of providing safe and reliable lighting throughout, maximum productivity can be achieved in spite of the various hazards caused by the particular industry. Special types of cables are offered for commercial as well as industrial sites that can resist fire, water and the pressure waves generated by a blast. The lighting fixtures for foundries, mills etc. are subjected to maximum environmental hazards. The high temperature and other severe conditions of such industries cause environmental pollution at very high levels so that the lighting fixtures for these places are made to withstand any adverse atmospheric conditions.

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