

Hazlux

From an offshore oil rig in the Atlantic Ocean to the oil sands of Northern Alberta, there's a Hazlux® lighting fixture to stand up to virtually every hazardous location in Canada.

Here is a list of some of the places you'll find Hazlux® fixtures:

- Chemical manufacturing and processing plants
- Oil refineries
- Oil drilling rigs
- Offshore platforms
- Pipeline pumping stations
- Pulp and paper plants
- Aluminum and copper smelting
- Steel mills and foundries
- Mining operations
- Grain handling facilities
- Flour, sugar and starch processing
- Food processing plants
- Paint and rubber manufacturing facilities
- Marine and coastal facilities
- Shipyards and shipbuilding plants
- Power generation plants
- Waste treatment facilities
- Paint, chemical and plastic mixing/storage areas
- Bulk truck terminals
- Solvent/cleaning areas

Hazlux® lighting fixtures are also built to withstand the harsh environmental conditions that exist in real working environments.



Typical Applications

HOSE-DOWN AND WET LOCATIONS

- Certified for wet locations - NEMA 4X, IP66 (indoor and outdoor); UL1598 (marine) and CSA Listed.
- Superior gasketing system - both tank and globe gasketing systems withstand hose-down pressures.
- Uninterrupted globe thread - assures positive seal.
- Baked-on dry epoxy coating - not paint, but 100% dry solids.
- Globes, refractors, and finish designed to withstand thermal shock during hose-down.

HIGH AMBIENT TEMPERATURE AREAS

- All standard fixtures are tested and listed for at least 40°C ambient - even under heavy dust blanket and no air flow.
- Exclusive heat sink design - results in a cool operating fixture, extended ballast/lamp life, and lower maintenance costs.
- Unmatched selection of high ambient temperature rated fixtures - contact factory for fixtures certified for 55°C and 65°C applications.
- Steam spray and thermal shock resistant.

CORROSION AND ABRASION

- Baked-on dry epoxy coating - not paint, but 100% dry solids.
- Stainless steel external hardware.
- Sand-blast resistant finish.
- Superior silicone gasketing system on both tank and globe - other gasketing systems available for special corrosive applications, such as phosphates.
- Aluminum components contain less than 0.4% copper - maximum corrosion resistance.
- Special HAZ-COTE™ corrosion fighter finish available for extremely corrosive areas, consult Thomas & Betts Sales Office for details.

ICE AND ARCTIC CONDITIONS

- Gasketing system and finish allow for expansion and contraction through wide temperature variations.
- Metal halide ballasts start at -29°C. High pressure sodium ballasts start down to -51°C. Consult Thomas & Betts Sales Office for details.
- High-strength mechanical mountings withstand extra ice loading.
- Tempered glassware available for extra thermal shock safety margin.

VIBRATION, SEISMIC SHOCK, VANDALISM

- Vibration tested by CSA.
- Vibration-resistant hardware throughout fixture.
- Screw retainers on guard assure retention even if screws are not completely tightened.
- Designed for use with safety chains - without fixture modification.
- Vibration resistant globe thread and sealing system.
- Optional refractors, high-strength tempered glass, and Tuff-Skin® globes for protection from vandalism.

DUST BLANKET

- Tested and listed by CSA.
- Thermal performance is at 40°C ambient. Optional thermal performance to 55°C and 65°C ambient available. Consult factory.
- Cone pendant mount available (45° sloped sides) for areas where dust or other residue buildup is a problem.
- Exclusive heat sink design - results in a cool operating fixture, extended ballast/lamp life and lower maintenance costs.

MARINE DUTY OPTION

- UL1598 Marine listed.
- This feature is supplied as standard on most HAZLUX® 3 fixtures. Consult Thomas & Betts Sales Office for details.
- Designed for abuse - hose-down, arctic, hurricane, vibration and shock, high temperature, corrosion and other environmental conditions typical of adverse marine locations.
- Exclusive combination of marine and hazardous location approvals on the same fixture line.

WIND

- Wind-tunnel tested at McDonnell Douglas Corporation at air flow speeds in excess of 320 km/h.
- Guard specially designed to secure reflector during high wind loading.
- All fasteners are stainless steel.
- High strength mechanical mountings withstand strong wind loads.