

Phoenix fixtures withstand strenuous environment in the Port of Tacoma

Created in 1918 by Pierce County citizens, the Port of Tacoma today has 2,400 acres used for shipping terminal activity, warehouse, distribution and manufacturing. Often referred to as the “Gateway Port” the Port of Tacoma handles all different types of cargoes on their way to and from all parts of the world.



At a Glance:

Project:
Port of Tacoma

Location:
Tacoma, Washington

Products Used:

-Phoenix MRSE Series
1000-watt Heavy-duty
Floodlights underneath
the boom of the crane

-Phoenix LFS Series
2 lamp, 40-watt
Snaplight® fluorescents
used for catwalk and path
lighting as well as in the
machine house and cab

Number Installed:

Approximately **70** MRSE
Heavy-duty Floodlights

Approximately **69** LFS
Snaplight® Fluorescents

Port container cranes undergo constant shock and vibration as each container is lifted and lowered with the crane’s spreader. Running for twenty-four hours a day, the most durable and reliable lighting fixtures are necessary to ensure the safe and efficient operation of this arduous process. A leader in the mining and marine lighting industry, Phoenix Products Company, Inc. is known for its durable heavy-duty floodlights that can survive the harshest of environments.

PHOENIX®

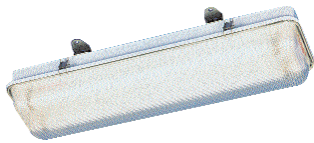
Durable Floodlights for Outstanding Performance

In the Maersk Terminal at the Port of Tacoma, Phoenix fixtures are used to light two port container cranes. Phoenix MRSE Series 1000-watt Heavy-duty Floodlights are mounted underneath the boom to provide substantial light on the deck and cargo hold areas. The MRSE Series is designed for maximum durability in marine environments and is suitable for installation in even the highest vibration areas of a container crane; underneath the cab, along the boom, and attached to the trolley. The MRSE has superior performance features, including the "free-floating lamp diaphragm." The multi-plane diaphragm absorbs shock and vibration and isolates the lamp to help extend lamp life. This reduces the high costs associated with maintenance and lamp replacement. The heat reflector shield prevents excessive heat build-up and a reinforced porcelain socket reduces the chance of lamp failure due to shock and extreme heat.

The MRSE Series also features a three position shock absorber that holds the top of the lamp and provides further isolation from shock and vibration. The MRSE features a marine-grade, low copper content aluminum housing that provides excellent resistance to corrosion in salt water areas.

Reliable Fluorescents for Walkway Lighting

Phoenix LFS Series Snaplight® fluorescent fixtures are installed in several places on the cranes. They illuminate the walkways and catwalks throughout the crane and are also found in the machine house and cab. These durable fluorescents come equipped with stainless steel, shock-resistant mounting brackets that endure high vibration. The non-breakable stainless steel latches withstand drastic temperature changes. The LFS Series features an easy-to-open Snaplight® diffuser hinged to the housing for easy relamping and a ballast/reflector plate assembly that is suspended by tethered wires, allowing one-man fixture installation or ballast replacement.



The LFS Series Snaplight®

Exceptional Quality and Lower Maintenance Costs

In an industry where every minute counts it pays to have the most effective, longest lasting lighting fixtures to minimize downtime. Both the Phoenix MRSE Series and the LFS Series are known for their reliability and easy maintenance. Thanks to their exceptional durability and superior quality, Phoenix fixtures survive the harsh environment of the Port of Tacoma.



The MRSE Series Heavy-duty floodlight mounted underneath boom of crane



The MRSE Series also features:

- Marine-grade cast aluminum housing that provides excellent corrosion resistance
- 7/32" thick heavy-duty tempered glass that withstands thermal shock
- 1/4" thick steel reinforced mounting bracket that provides stable and durable support
- High temperature silicone and EPDM gaskets that provide a positive seal against dirt and moisture

About Phoenix Products

Headquartered in Milwaukee, Wisconsin, Phoenix Products Company, Inc. is a leading manufacturer of exterior lighting products that can withstand harsh, high-shock and vibration environments, and extreme weather conditions for the architectural, industrial, mining, loading dock, and marine industries.

Special Thanks To:

Port of Tacoma
Bruce Koch

Beck Electric
Jon Ellison



www.phoenixproducts.com