



DURABLE LIGHTING
PROVEN FOR PORTS™

PHOENIX®
DURABILITY X DESIGN™



A TRADITION OF TRUST.

Phoenix has a rich history of tradition dating back over 123 years in the city of Milwaukee. Since 1892, it has thrived in a number of different industries, but the fundamentals of the company have stayed the same. Phoenix has remained a family-owned business operating with integrity and a focus on customer solutions.

Since the 1940s, Phoenix has specialized in lighting fixtures. The company quickly became the authority on durable lighting designs for the world's harshest environments. Over six decades later, Phoenix is trusted to provide fixtures for heavy equipment, corrosive conditions, hazardous locations and various other demanding applications.

As the lighting industry continues to evolve, Phoenix remains committed to providing the quality, service and innovation that customers have come to expect.



Phoenix's expertise in container handling equipment

continues to earn the industry's trust by improving operations at terminals all over the world. We demonstrate our "Durability by Design[®]" approach to lighting in one of the world's harshest settings. These fixtures endure constant vibration, large temperature variances and a corrosive marine environment. In a world where sustainability is on the rise and cost-consciousness is a must, ports take advantage of Phoenix's innovative LED options to dramatically increase lifespan, eliminate maintenance costs, and significantly reduce power consumption.

Our values

Collaboration

We are committed to the industries we serve and evolve with you as priorities shift and technology advances. The conversation is continuous, and we proudly lend our expertise whenever possible.

Progress

Our exceptional engineering team and innovative manufacturing practices are widely recognized and ensure that only superior products reach the market.

Craftsmanship

Our unwavering attention to detail ensures results that far exceed your expectations. We design, engineer and manufacture products that last.

Authenticity

We stay true to the roots of Phoenix and respect the vision, ingenuity and hard work that have brought us to where we are today. We are committed to the future of our customers, employees and community.

Durability by Design[®]

Every light. Every project. Every day. We are committed to durability. Our fixtures have been tested and proven in the most extreme conditions. We employ measures like potted drivers, conformal coating, stranded wires, high quality finishes and marine grade components to ensure that our fixtures thrive in their intended environments and last longer than the other market options.

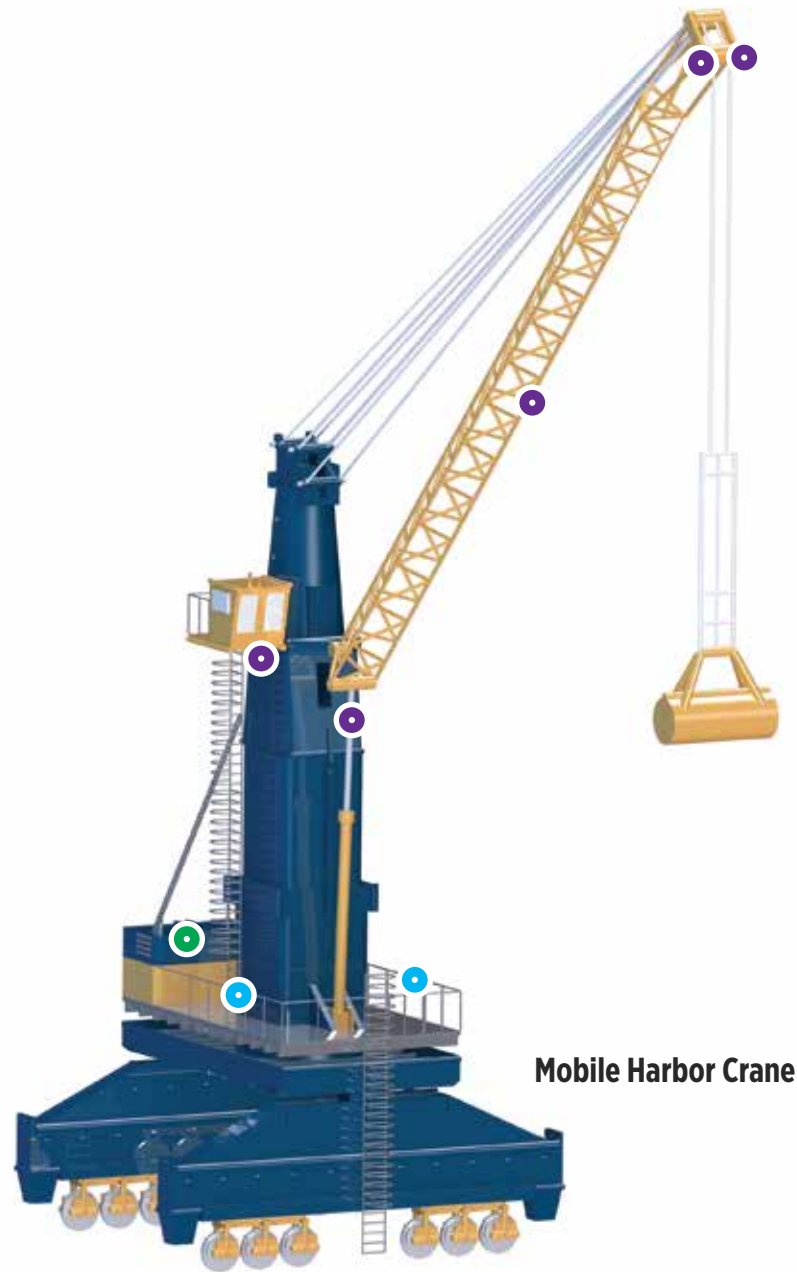


On-Site Quality Inspection Program

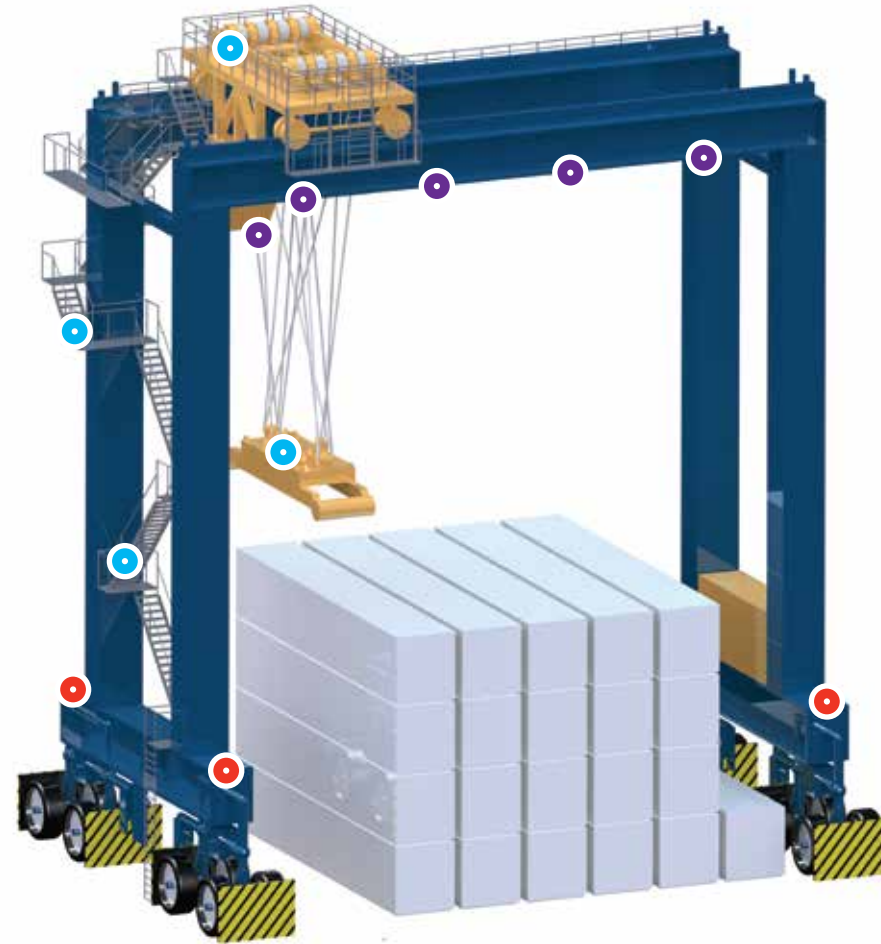
When you select Phoenix to illuminate your new equipment, you benefit from our On-site Quality Inspection Program. Phoenix representatives will be on-site to inspect and sign off on the working condition of the fixtures at every stage of the process.



Container Handling Equipment Lighting



Mobile Harbor Crane



Rubber Tire Gantry Crane



Ship to Shore



EcoMod® 2 Series

- MHC** Boom and tower
- RTG** Girders, trolley and gantry
- STS** Boom, girders, trolley, portal beams and gantry



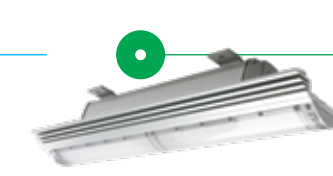
SturdiLED®

- RTG** Gantry lighting
- STS** Gantry lighting



Cube-Light

- MHC** Accessways, stairways and indicator lighting
- RTG** Accessways, stairways and indicator lighting
- STS** Accessways, stairways and indicator lighting



HDL-LED Series

- MHC** Inside engine room
- STS** Machinery house and electrical room

Equipment Lighting



HDL-LED Series Heavy Duty LED

The HDL-LED has been designed to replace up to 4 foot, 2 and 3 lamp 54W linear fluorescent fixtures and up to 400W HID floodlights. The fixture uses marine grade construction and a potted driver.

US Design Patent No. D720,875

EcoMod® 2 Series Heavy Duty LED Floodlight

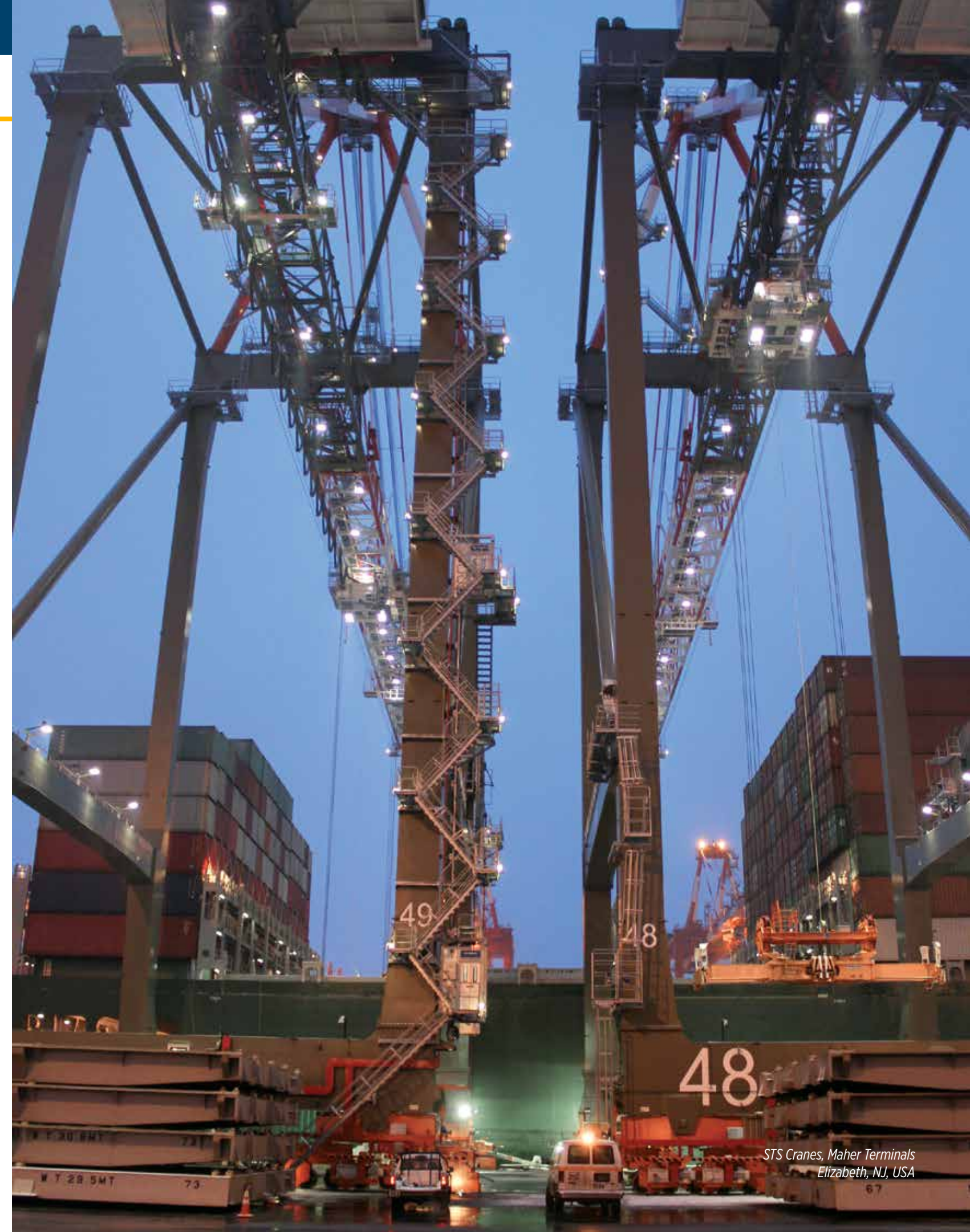
The EcoMod® 2 is a durable, corrosion resistant, LED floodlight designed to provide superior equipment illumination. Its sleek new design provides the lighting performance expected of Phoenix and was created specifically for the port market.

Patents Pending

SturdiSignal™ Series Warning Signal Light

The SturdiSignal™ is a durable and economic LED signal light designed to replace traditional strobe lighting. Applications include container, bulk and intermodal terminals. Various models are offered in 10-80V DC and 90-240V AC.

Wattage	32W, 62W (pictured) or 92W	150W, 303W (pictured) or 432W	various
Lumens	3400, 6600 or 9900	15,900, 31,800 or 47,700	456-1080
Repairable	✓	✓	✓
Optic options	✓	✓	✓
UL1598A Marine	✓	✓	
IP rating	IP67	IP66	IP66
CE compliant	✓	✓	pending
DLC listed	pending	✓	
Warranty	5 years	5 years	5 years
Durability tested	DXD	DXD	DXD



Equipment Lighting



Sturdilite® E-DC Series

Low-voltage LED Floodlight

Phoenix's renowned Sturdilite® line has been reinvented to offer a durable, economic LED option for DC applications. The E-DC Series offers three wattage options delivering up to 7100 lumens to cranes, mobile equipment and maintenance platforms.

Cube-Light

Compact LED Area Light

The Cube-Light is an economic, yet durable 13W LED area light. The fixture's compact design makes it ideal for use along accessways and stairways, as well as in small spaces. It replaces up to a 32W compact fluorescent vaporproof fixture.

Australian Design No. 359170
US Patent No. D762,321 S

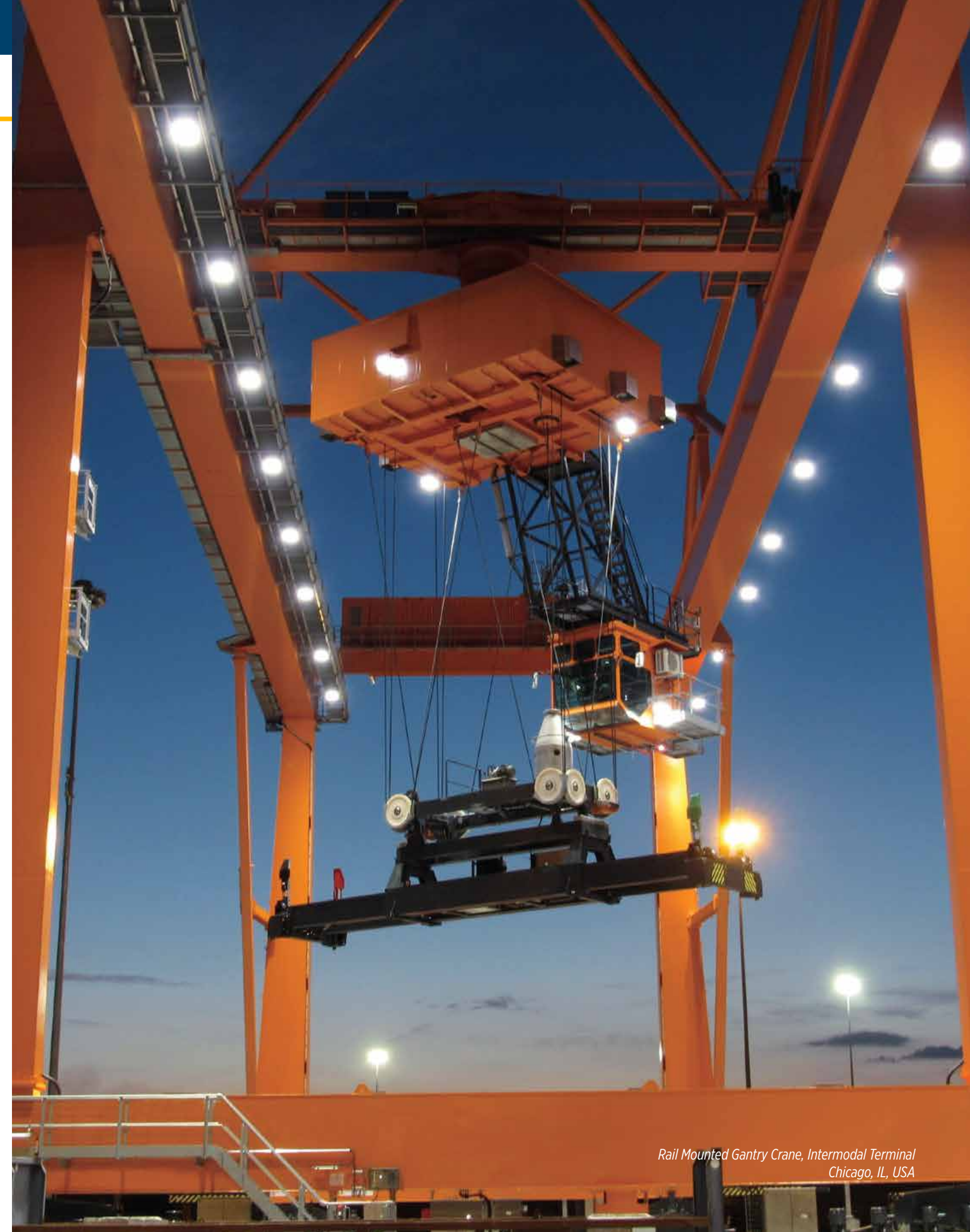
SturdiLED®

Super-rough Service LED Floodlight

The SturdiLED® is an extremely durable LED floodlight. The fixture's potted driver, conformal coated circuit board and rugged shock mount base provide maximum vibration resistance. It replaces up to a 150W HID or 500W quartz halogen.

US Design Patent No. US D708,776S

Wattage	15W, 24W, 56W or 90W	13W	37W
Lumens	up to 880, 2600, 4500 or 7100	up to 1000	2900
Repairable		✓	✓
Optic options	✓		✓
UL1598A Marine		✓	✓
IP rating	IP69K	IP66	IP67
CE compliant	✓	✓	✓
DLC listed			✓
Warranty	3 years	3 years	5 years
Durability tested	DXD	DXD	DXD



Rail Mounted Gantry Crane, Intermodal Terminal
Chicago, IL, USA

Equipment Lighting



Conveyo™ LED Conveyor Belt Light

This 50W LED fixture is ideal for use on conveyor belts, narrow pathways as well as general wall or pole mount lighting. Emitting up to 6000 lumens, the Conveyo™ offers a durable, yet economic design and was engineered for ease of installation.

ReadiLED™ Series LED Snaplight® & Retrofit Kit

The Snaplight® ReadiLED™ Series offers a new level of simplicity and safety to terminal operators. Requiring less energy and virtually no maintenance, the ReadiLED Series offers an easy upgrade from existing linear fluorescent fixtures.

Wattage	50W	19W (pictured) or 38W
Lumens	6000	1975 or 3617
Repairable	✓	✓
Optic options	✓	
UL1598A Marine	✓	✓
IP rating	IP63 (wall mount), IP65 (pole mount)	IP65
CE compliant	✓	✓
DLC listed		
Warranty	3 years	3 years
Durability tested	DXD	DXD

**Retrofit option available*



STS Crane, Port of Oslo, Norway



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