



PHOENIX[®]
DURABILITY X DESIGN[™]

DURABLE LIGHTING
PROVEN IN PORTS[™]

Every day, with every light, and for every project ...

... we are committed to durability. As we design, engineer and manufacture our products for the terminal industry, we are constantly thinking about crane operators and what they need to do their jobs safely and effectively.



Every night, at ports around the world,

operators depend on Phoenix lights. From the first light we built in 1943 to the LED fixture that was installed last week, our product line has been a sequence of innovations inspired by terminals worldwide and their evolving needs.

With unrivaled industry expertise and the highest level of technology available, Phoenix light fixtures bring a new level of safety and efficiency to your terminal operations.



Phoenix Lighting BY THE NUMBERS

Just a few of the reasons
you can count on Phoenix.

6	continents with Phoenix terminal lighting
29	years serving the port industry
78	years manufacturing lights
132	years in business
>500,000	LED fixtures installed

Our fixtures have been tested and proven ...

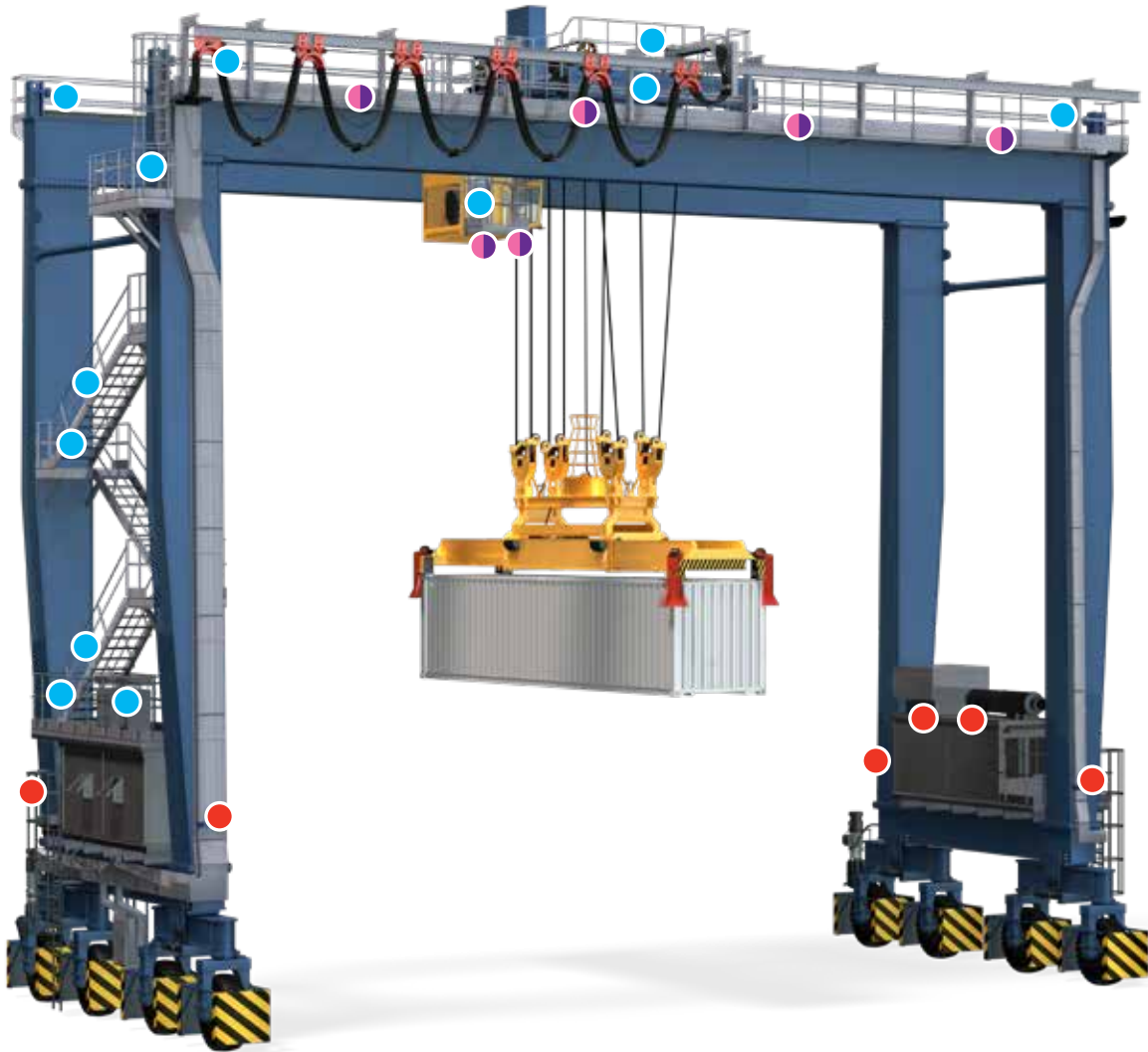
... in the most extreme conditions for over 78 years. We use measures like potted drivers, high quality finishes and marine grade components to ensure our fixtures thrive in the port environment and last longer than any other option.

We test our fixtures by exposing them to the harsh conditions they are designed for – high vibration, extreme moisture, salt spray ... Phoenix sends every fixture out the door with the confidence that it will stand up to the rigors of the crane and the corrosion of the environment.



RTG Cranes

Operators choose Phoenix for their RTG cranes because they need the highest level of durability along with uniform, consistent light. When these two factors are optimized, so is productivity and safety.



EcoMod® 3 Series

Girders, trolley, gantry
pg. 8, UL listed fixture



Wayfinder™ 2

Accessways, stairways
pg. 8, EMB option



Midline™ Flood 2

Gantry, truck lane
pg. 8



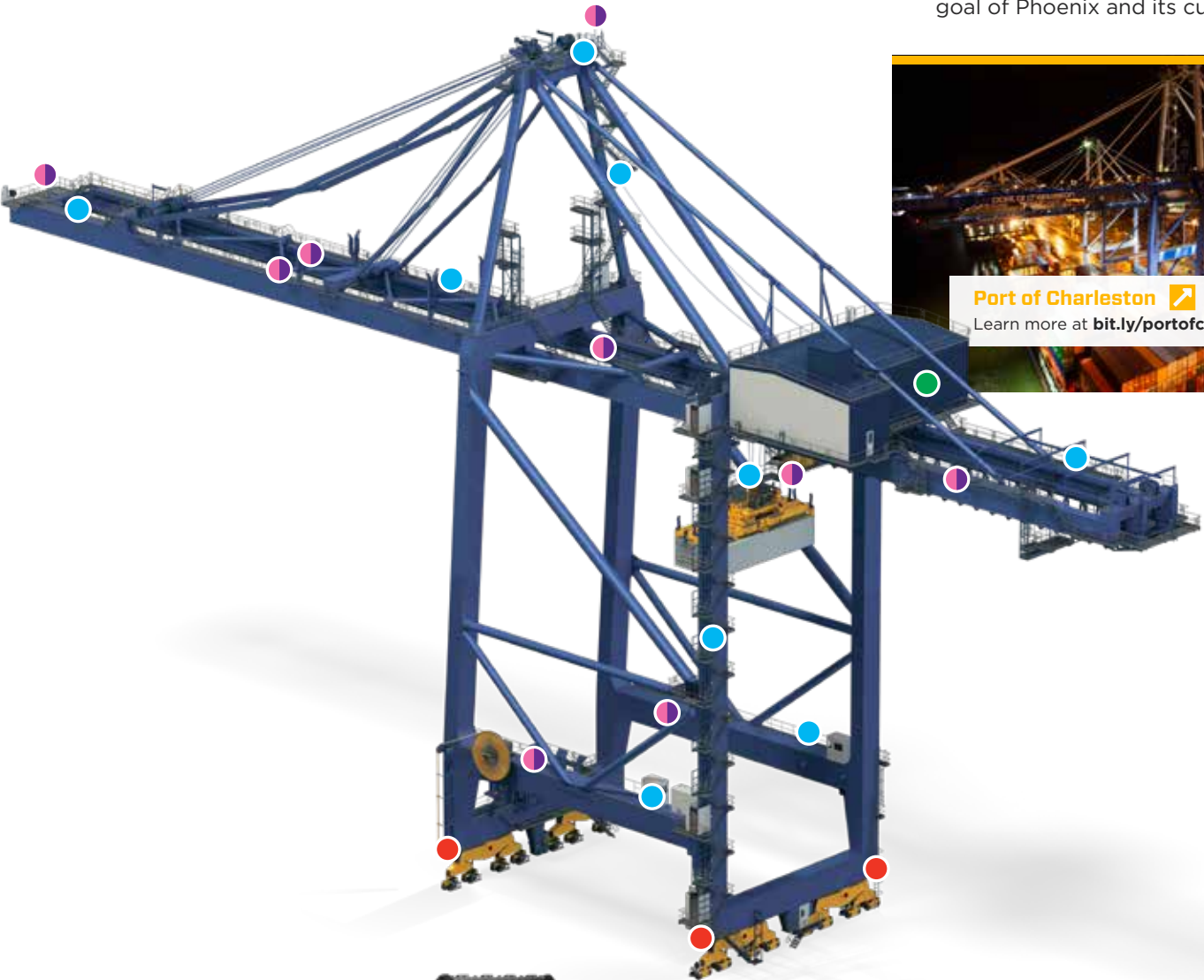
Command Flood® Series

Girders, trolley, gantry
pg. 8, CE compliant fixture



STS Cranes

Phoenix has been working with terminals to deliver quality illumination to STS cranes for decades. Enabling operators to effectively see what's happening under them will optimize productivity and maintain the highest of safety standards. This has always been a joint goal of Phoenix and its customers.



EcoMod® 3 Series

Boom, girders, trolley, portal
beams, gantry
pg. 8, UL listed fixture



Wayfinder™ 2

Accessways, stairways
pg. 8, EMB option



Midline™ Flood 2

Gantry
pg. 8



Command Flood® Series

Boom, girders, trolley,
portal beams, gantry
pg. 8, CE compliant fixture



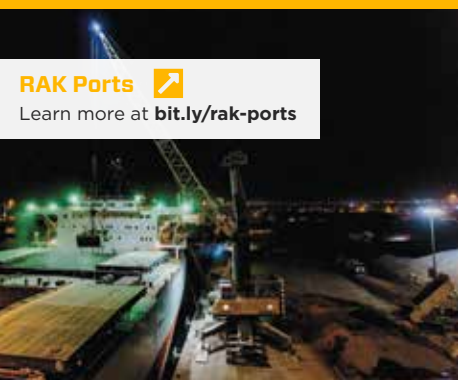
HDL-LED Series

Machinery house, electrical room
pg. 8



Mobile Harbor Cranes

Extreme shock and vibration cause premature failure of lights on mobile harbor cranes, leading to lost time and increased safety risks. Phoenix lights are designed to endure these conditions so operations can continue at all hours. And with superior illumination, crane operators are more productive, and everyone is safer.



EcoMod® 3 Series

Girders, trolley, gantry
pg. 8, UL listed fixture



Wayfinder™ 2

Accessways, stairways,
engine room
pg. 8, EMB option



Mobile Equipment

The punishing work of a reach stacker needs lighting that can take a hit. With consistent light and exacting standards of durability, terminals are choosing Phoenix for their mobile equipment to keep productivity and safety high and maintenance at a minimum.



Sturdilite® Master Series

Driving, side and back lights
pg. 8



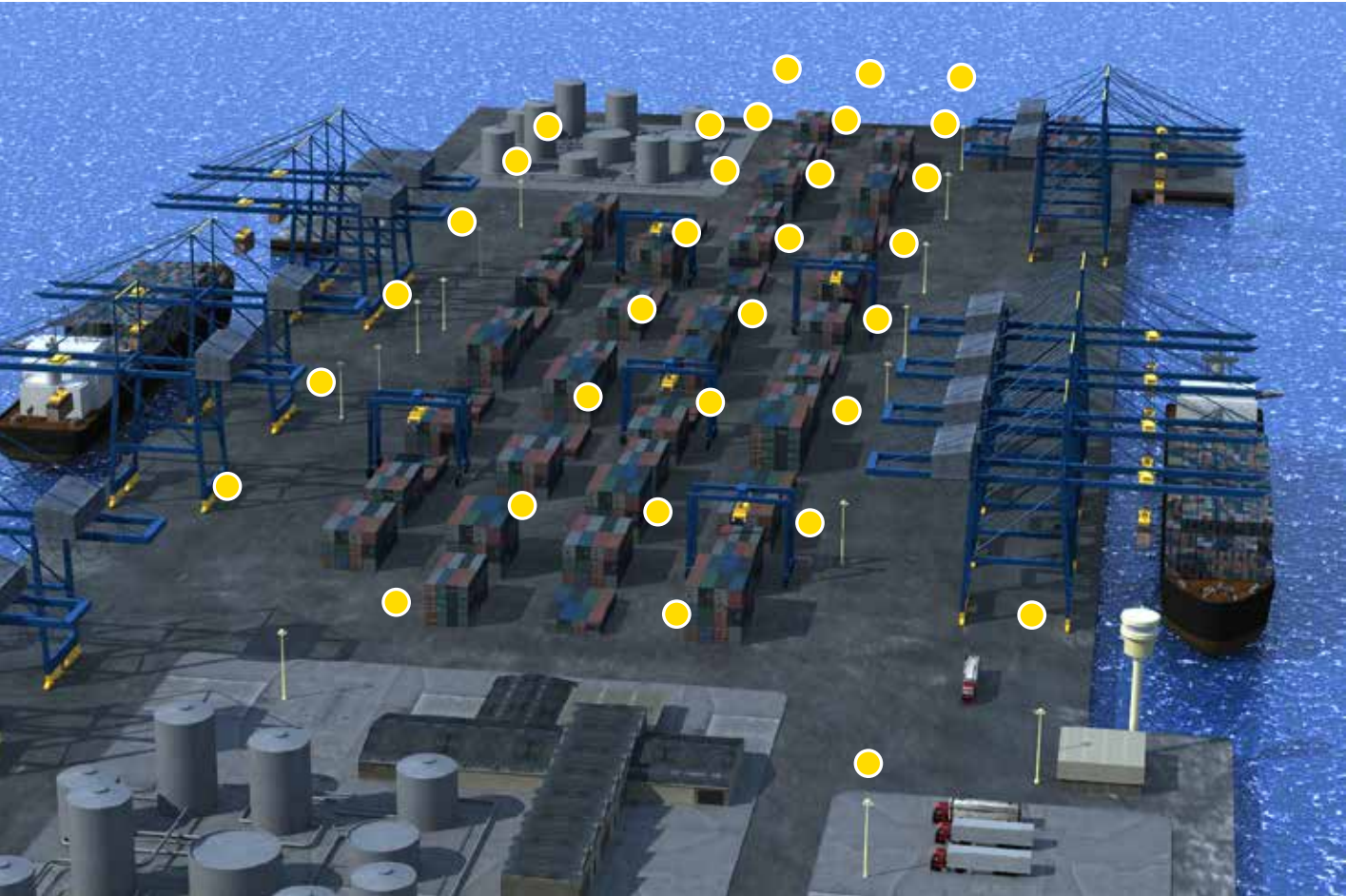
Sturdilite® Move Series

Driving, side and back lights
pg. 8



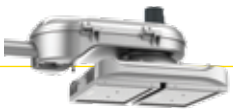
Container Yards

Phoenix Lighting maximizes security and safety with superior fixtures and advanced lighting control systems. This specialized solution brings a new level of operational efficiency and asset management to container yards worldwide.



Soar™ Series

High mast poles in container yard
pg. 7, UL listed & CE compliant fixture



Highland® Series

High mast poles in container yard
pg. 7, UL listed fixture



Meridian Series

High mast poles in container yard
pg. 7, CE compliant fixture



Apex™ Series

High mast poles in container yard
pg. 7



High Mast Floodlights & Controls

Highland® Series
High Mast & Area
LED Floodlight



Wattage up to 265W or 530W
Lumens up to 40,000 or 80,000
Warranty 5 years



Soar™ Series
High Mast & Large
Area LED



Wattage 960W
Lumens up to 130,000
Warranty 5 years



Meridian Series
High Mast & Area
LED Floodlight



Wattage up to 265W or 530W
Lumens up to 40,000 or 80,000
Warranty 5 years



Apex™ Series
High Mast LED Floodlight



Wattage 600W or 1000W
Lumens 85,000 or 138,000
Warranty 5 years



Lighting Controls
powered by Synapse® Wireless

- maximize fixture life
- save up to 35% energy
- meet unique port safety requirements

Central Base Station provides user interface, network management and energy usage data; controls up to 1,000 lights

TL7 Wireless Controller communicates via 2.4GHz wireless mesh network; IP66, ANSI C136.41 twist-lock compliant; 0-10v

Web-based software allows easy remote monitoring and control with zoning and scheduling capabilities

Integration works with Phoenix's Highland®, Meridian, Apex™ and Soar™ Series LED fixtures

Warranty 5 years



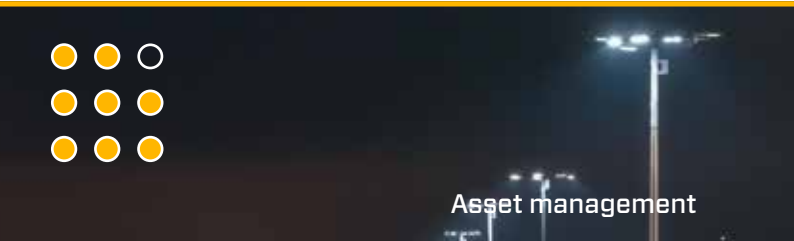
TL7 Wireless
Controller



Central Base
Station



Wireless light control



Asset management



Scheduling by zones



Data collection
& reporting

Equipment Lighting

EcoMod® 3 Series

Heavy Duty LED Floodlight

Patents pending



Wattage up to 121W, 231W (pictured) or 438W
Lumens up to 15,000, 30,000, or 52,500
Warranty 5 years



Midline™ Flood 2

Marine Industrial LED Floodlight



Wattage 90W
Lumens up to 12,000
Warranty 5 years



Command Flood® Series

Marine Grade Crane Floodlight



Wattage 140W, 240W (pictured) or 360W
Lumens up to 18,500, 32,000 or 48,000
Warranty 5 years



ReadiLED™ Series

LED Snaplight® and Retrofit Kit

Integrated EMB option



Wattage 19W (pictured) or 38W, field adjustable output
Lumens 3700 or 6400
Warranty 3 years



CVO 2

LED Conveyor & Area Light

Integrated EMB option



Wattage up to 75W, field adjustable output
Lumens up to 11,000 (50K), 8,000 (22K) or 6,500 (Amber)
Warranty 5 years



Sturdilite® Master Series

Low-voltage LED Floodlight

US Design Patent No. D993,511



Wattage up to 24W, 48W or 82W
Lumens up to 2500, 5000 or 7600
Warranty 3 years



Sturdilite® Move Series

Low-voltage LED Floodlight



Wattage 19W, 40W or 64W
Lumens up to 2000, 5000 or 7000
Warranty 1 year



HDL-LED Series

Heavy Duty LED

US Design Patent No. D720,875
Integrated EMB option



Wattage 28W, 55W (pictured) or 83W
Lumens 3150, 6300 or 9400
Warranty 5 years



Wayfinder™ 2

LED Accessway Light

Patent pending
Integrated EMB option



Wattage 3.2W - 11W, field adjustable output
Lumens up to 1300
Warranty 5 years



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



PHOENIX[®]
DURABILITY X DESIGN[™]

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