

**PHOENIX<sup>®</sup>**  
*DURABILITY X DESIGN<sup>™</sup>*

# Durable Lighting Built to Perform

INDUSTRIAL • HAZARDOUS  
PETROCHEMICAL • ENERGY • GOVERNMENT  
PORTS & TERMINALS • FOOD & BEVERAGE  
PULP, PAPER & WOOD • AVIATION





# Durable Lighting that Outlasts Expectations

For over 75 years, we've designed and manufactured durable industrial lighting built to sustain operations in the most demanding environments. From the first light we built in 1943 to the LED fixtures on our shop floor today, our products have been developed through a sequence of innovations inspired by our customers and their evolving needs. We are devoted to bringing a new level of safety and efficiency to you and your customers' operations.



## Durability by Design

### High-performing Fixtures for Heavy Industrial and Hazardous Environments

Phoenix has illuminated the most challenging industrial environments for decades without stretching budgets or compromising our standards. Our fixtures last for a lifetime because "Durability by Design" is the backbone behind every fixture we produce.

We make design decisions such as superior LEDs, potted drivers, high quality finishes and marine grade components to ensure our fixtures outlast any other option.

Quality control is essential to us. Every step of the design and manufacturing process is controlled so each fixture leaving our building meets Phoenix's strict durability by design standards.

We set ourselves apart by conducting rain, thermal and vibration tests in our engineering lab to make certain every light will stand up to its intended environment.

## Partner with a Global Leader in LED Lighting Solutions

Our combination of service and superior product guarantees high-performance, energy savings and increased safety for years to come. Partnering with a stable, US-based industrial lighting manufacturer ensures you'll have the support throughout and after the project is completed. We are confident Phoenix's value-adding services are ideal for any of your projects.



#### Differentiated, Solution-oriented Products

We manufacture specification driven fixtures with unique design features that increase resilience, performance, and lifetime to meet the exacting requirements of a design. Our fixtures are compliant with the certifications and technical standards harsh environments require and can offer flexible product modifications and testing.



#### Lighting Calculations & Design Expertise

From a new construction to retrofits, we offer lighting layouts to demonstrate the illumination levels on the ground and how many lights are needed to accomplish the specification. Our technical team carefully analyzes fixture positions, optimal beam angles, and possibilities of bright spots or contrast to create the perfect lighting formula for a safe and functional environment.



#### Competitive Lead & Delivery Times

With a Milwaukee-based factory and a commitment to inventory, we ensure short lead times for our fixtures so deadlines are easily met, and deliveries are predictable. We work closely with a nation-wide network that holds local inventory, further reducing delivery times and freight costs.



#### Outstanding Customer Service & Technical Support

We're invested in your project's success and work to ensure there are no complications related to lighting. Phoenix is known for our exceptional customer service and technical support and will be here when needed. You get direct access to a team of customer service representatives and dedicated engineers for technical support.

**If you're an engineering firm:** We can provide the lighting expertise you need through lighting designs, technical specifications and testing data, and certifications. We chase the most challenging applications and environments and are committed to delivering solutions that fit the budget and specifications of each project. We work hard to support the specification community with an end-to-end partnership.



# Lighting for Industrial

For decades, Phoenix has been the industry leader for commercial and industrial environments seeking durable solutions and the latest lighting technologies. We offer a wide range of solutions for outdoor applications through our flood, large area, wet and hazardous location rated lights. For certain projects, our intelligent controls system can be added to your design, allowing you to schedule lights, automate on/off capabilities and receive constant monitoring of connected fixtures. Our solutions for various indoor industrial applications enhance a facility’s safety and security through improved illumination while keeping operational and maintenance costs low. Phoenix has the capabilities to deliver customized solutions for optimal visibility in each outdoor and indoor industrial space.

## Applications

- loading docks
  - warehouse facilities
  - task & maintenance lighting
  - manufacturing facilities
  - building perimeters
- factory cranes
  - forklift trucks
  - conveyor belts
  - tunnels & accessways
  - walkways & bridges
- parking lots & garages
  - construction equipment
  - agricultural equipment
  - municipal equipment



## Key products

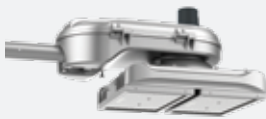
Durable lighting built for a wide variety of indoor and outdoor industrial settings.



**Ascend LHB Series**  
Linear LED High Bay  
*pg. 13*



**FlexPro docklite**  
Flexible Arm LED Dock Light  
*pg. 15*



**Soar™ Series**  
High Mast & Large Area LED  
*pg. 12*

# Lighting for Petrochemical

Phoenix can provide durable and high-performing lighting systems that create a safe and productive work environment for various petrochemical applications. Petrochemical facilities are complex, and each space of a facility has its own unique lighting requirements. The most extreme environments require superior illumination and Phoenix uses the highest standards of construction and quality for protection in any circumstance. Our solutions for each petrochemical application deliver reliable, long-lasting light for a functional environment that requires no light-related maintenance so crew members can address other priority maintenance. Facility operations benefit from decreased energy costs for a quick recovery of their lighting investment.

## Applications

- oil & gas terminals
- off-shore & on-shore drilling
- oil & gas storage
- oil rail yards & terminals
- tank farms & oil depots
- oil treating facilities
- oil production plants
- refined product plants (gasoline, diesel, lubricating oil)
- liquified natural gas facilities
- compressor stations
- gas fractionation & processing facilities
- biotechnology facilities
- corn & grain conversion facilities
- agricultural processing facilities
- chemical refineries
- specialty chemical, plastics & fertilizer plants
- chemical cleaning production plants



## Key products

Built to perform in the most extreme environments found in petrochemical spaces.



**Defend Flood™ Series**  
Explosion-proof LED Floodlight  
*pg. 10*



**Conquer™ Series Floodlight**  
Mid-watt Hazardous Rated LED Flood  
*pg. 10*



**LFXB LED Series**  
Explosion-proof Linear LED  
*pg. 11*



Lighting for  
Energy

Energy plants are demanding environments that require superior illumination designed to withstand high temperatures and hazardous conditions. Phoenix provides lighting solutions designed with the highest standards of construction and quality for various indoor and outdoor areas of energy facilities that aide the safety and security of workers. With LED lighting, fewer fixtures are needed to achieve greater visibility for a functional working environment. Our explosion-proof and hazardous location LED fixtures have a long lifespan, minimizing the need for lighting-related maintenance. Each area of a facility has unique illumination and environmental requirements, and Phoenix can provide uniform, glare-free light through precise optics and various color temperature options for any application.

Applications

- power plants
- utility plants
- transmission & distribution plants
- microgrids & battery storage
- conventional & renewable generation facilities



Key products

Heavy-duty fixtures designed for the harsh environments of energy plants & facilities.



**Defend Flood™ Series**  
Explosion-proof LED Floodlight  
*pg. 10*



**CVO 2**  
LED Conveyor & Area Light  
*pg. 13*



**ModCom® 3 Series**  
Hazardous Rated LED Floodlight  
*pg. 10*

Key products

Purpose-built and BAA compliant fixtures for mission critical applications.



**Command® Flood Series**  
Marine Grade Floodlight  
*pg. 12*



**Highland® Series**  
High Mast & Area LED Floodlight  
*pg. 12*



**CLIR™ Series**  
High Performance LED Large Area Floodlight  
*pg. 12*

Lighting for  
Government

Phoenix offers the flexibility, modularity and scalability required for government projects. Our expertise in illuminating U.S. government applications dates back to the 1970s. Our lighting solutions are Made in the USA, BAA (Buy American Act) and TAA (Trade Agreement Act) compliant. Often used by the U.S. Army Corps of Engineers, Phoenix’s fixtures withstand the toughest environments and provide the most effective solutions. Uniform, glare-free light can be achieved with our precise optics and various color temperature options. Services such as technical support and lighting simulations ensure each project’s safety, budgetary and efficiency goals are met. For large area projects, a full range of solutions are available – from customized light fixtures and controls to high mast pole installation.

Applications

- military bases
- logistic facilities
- warehouses & hangars
- hazardous locations
- prisons & borders
- airfields
- outdoor flood lighting
- wet applications



Lighting for  
Ports & Terminals

Port operators around the world choose Phoenix for their container handling equipment and yard lighting because these applications demand the highest level of durability along with uniform, consistent light. Quality fixtures are necessary to withstand corrosion, shock and vibration, and Phoenix's lights are designed to endure these conditions so operations can continue at all hours. Enabling operators to effectively see what's happening under them will optimize productivity and maintain the highest safety standards. Our container yard lighting and intelligent controls system maximizes a facility's security and safety. This specialized solution brings a new level of operational efficiency and asset management to ports and terminals.

Applications

- container handling cranes
- reach stackers & other mobile equipment
- container yards
- bulk handling equipment



Lighting for  
Food & Beverage

Phoenix manufactures quality LED lighting ideal for the production and processing of food and beverage, including high-pressure wash-down, cold storage, production floor and other demanding areas. The safety and sanitation of a food processing facility is essential, especially when tasks involve operating heavy machinery and the use of sharp utensils. These initiatives can be achieved with an optimized lighting system that meets adequate illumination levels enhancing worker visibility, concentration, and productivity. Phoenix can provide a customized lighting solution for the various applications of food and beverage facilities that provides energy and maintenance savings through the latest in LED technology.

Applications

- meat & poultry processing facilities
- food distribution & storage facilities
- desalination water treatment plants
- sugar processing plants
- baked, frozen & prepared food plants
- dairy processing plants
- packing plants
- fruit & nut processing facilities



Key Products

Built to withstand harsh and saltwater environments found in ports & terminals.



**EcoMod® 3 Series**  
Heavy Duty Floodlight  
*pg. 12*



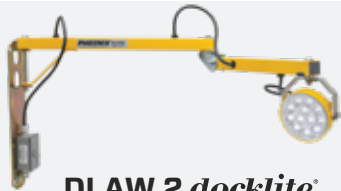
**Wayfinder™ 2**  
LED Accessway Light  
*pg. 13*



**Highland® Series**  
High Mast & Area LED Floodlight  
*pg. 12*

Key Products

Suited for the various spaces of food and beverage processing facilities.



**DLAW 2 docklite®**  
Wet Location LED Task Light  
*pg. 15*



**Cube-Light**  
Compact LED Area Light  
*pg. 13*



**Conquer™ Series Linear**  
Mid-watt Hazardous Rated Linear LED  
*pg. 11*



Lighting for  
Pulp, Paper & Wood

Pulp, paper and wood facilities have many different areas, and each requires its own type of industrial lighting. Due to the nature of its operations, mills of all types need explosion-proof or hazardous location rated fixtures that won't pose a risk to explosions or fires. Phoenix's proven lighting solutions are designed to perform in the extreme conditions of paper and pulp mills or similar environments. Our lighting systems include a broad range of industrial light fixtures with unique design features to increase visibility and promote a safe working environment. With custom optics, various mounting brackets, different voltage and light output options, our solutions are designed to be customizable depending on each application's needs and requirements.

Applications

- paper mills
- forest product mills
- converting plants
- wood processing plants
- saw mills



Lighting for  
Aviation

We've worked with airports to install our high mast LED floodlights to enhance worker performance through advanced glare control and uniform light coverage. Our turnkey large area lighting package is designed to be customizable depending on the requirements of each project. Our solutions include lighting simulations and review of structural design. If needed, we can provide the complete scope of supply – including fixtures, wiring, electrical connection, poles and rings. With optional lighting controls, airports can program light levels around activity and capture additional maintenance and energy savings. Additional services include project management, installation service and extended warranty options.

Applications

- ramps/aprons
- hangars
- baggage & service areas
- large area lighting
- perimeter lighting



Key Products

Designed to perform in the extreme conditions of pulp, paper and wood facilities.



**Defend Flood™ Series**  
Explosion-proof LED Floodlight  
*pg. 10*



**HDL-LED Series**  
Heavy Duty LED  
*pg. 11*



**DLA 2 docklite**  
9W Modular LED Loading Dock  
Light Head  
*pg. 15*

Key Products

Superior lighting and controls that meet unique aviation safety requirements.



**Highland® Series**  
High Mast & Area  
LED Floodlight  
*pg. 12*



**CLIR™ Series**  
High Performance LED  
Large Area Floodlight  
*pg. 12*



**Soar™ Series**  
High Mast & Large  
Area LED  
*pg. 12*



# Hazardous Rated Flood Lighting

## ModCom® 3 Series Hazardous Rated LED Floodlight

Patents pending



**Certified to** C1D2, C2D2, C3  
**Wattage** up to 121W, 231W (pictured) or 438W  
**Lumens** up to 15,000, 30,000, or 52,500  
**Warranty** 5 years



## Defend Flood™ Series Explosion-proof LED Floodlight



**Certified to** C1D1  
**Wattage** 100W or 165W  
**Lumens** up to 14,000 or 23,500  
**Warranty** 5 years



## SLX LED Explosion-proof LED Floodlight



**Certified to** C1D1, C1D2, C2D1, C2D2, C3  
**Wattage** 44W  
**Lumens** up to 3800  
**Warranty** 5 years



## SLXP LED Portable Explosion-proof LED Floodlight



**Certified to** C1D1, C1D2, C2D1, C2D2, C3  
**Wattage** 44W  
**Lumens** up to 3800  
**Warranty** 5 years



## Conquer™ Series Floodlight Mid-watt Hazardous Rated LED Flood



**Certified to** C1D2, C2D2  
**Wattage** 60W  
**Lumens** 6000  
**Warranty** 5 years (-40°C to +64°C ambient temperature)



# Hazardous Rated Linear, Area & Vaporproof Lighting

## HDL-LED Series Heavy Duty LED

US Design Patent No. D720,875  
Integrated EMB option



**Certified to** C1D2  
**Wattage** 28W, 55W (pictured) or 83W  
**Lumens** 2850, 5700 or 8550  
**Warranty** 5 years



## LFXB LED Series Explosion-proof Linear LED

EMB option



**Certified to** C1D1, C2D1  
**Wattage** 40W (pictured) or 80W  
**Lumens** up to 4200 or 8400  
**Warranty** 3 years



## Conquer™ Series Linear Mid-watt Hazardous Rated Linear LED



**Certified to** C1D2, C2D2  
**Wattage** 60W (pictured) or 80W  
**Lumens** 6,600 or 9,400  
**Warranty** 5 years (-40°C to +64°C ambient temperature)



## DLX LED *docklite*® Explosion-proof LED Task Light



**Certified to** C1D1, C1D2, C2D1, C2D2, C3  
**Wattage** 44W  
**Lumens** up to 3800  
**Warranty** 3 years



## Metallic LED VP Series Vaporproof Fixture & Retrofit Kit

US Design Patent No. D642,327;  
US8,348,476 B2; D650,518



**Certified to** C1D2, C2D2  
**Wattage** 17W  
**Lumens** 1336  
**Warranty** 5 years



# High-wattage Flood & Large Area 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



## Command Flood® Series Marine Grade Crane Floodlight



**Wattage** 120W, 240W (pictured) or 360W  
**Lumens** up to 15,300, 32,000 or 48,000  
**Warranty** 5 years



## Highland® Series High Mast & Area LED Floodlight



**Wattage** up to 265W or 530W (pictured)  
**Lumens** up to 40,000 or 80,000  
**Warranty** 5 years



## CLIR™ Series High Performance LED Large Area Floodlight



**Wattage** 630W  
**Lumens** 85,000  
**Warranty** 5 years



## Soar™ Series High Mast & Large Area LED



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



# Linear, Area & Vaporproof Lighting

## Ascend LHB Series Linear LED High Bay



**Wattage** 80/125/180W, 200/240/290W or 325/385/450W  
**Lumens** 24,000, 42,000 (pictured) or 65,000  
**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



## ReadiLED™ Series LED Snaplight® and Retrofit Kit

EMB option



**Wattage** 19W (pictured) or 38W  
**Lumens** 2700 or 5400  
**Warranty** 3 years



## CVO 2 LED Conveyor & Area Light



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



## Cube-Light Compact LED Area Light

Australian Design No. 359170;  
US Patent No. D762,321 S  
Available in AC & DC



**Wattage** 13W  
**Lumens** up to 1000  
**Warranty** 3 years



## Cube-Light Wall Mount Compact LED Area Light

Australian Design No. 359170;  
US Patent No. D762,321 S  
Available in AC & DC



**Wattage** 13W  
**Lumens** up to 1000  
**Warranty** 3 years





Mid-wattage Flood Lighting

Sturdilite® Master Series  
Low-voltage LED Floodlight



US Design Patent No. D993,511



Wattage up to 24W, 48W or 82W

Voltage 12-48VDC, 24-48VDC

Lumens up to 2500, 5000 or 7600

Warranty 3 years

Sturdilite® Move Series  
Low-voltage LED Floodlight



Wattage 19W, 40W or 64W

Voltage 12-48VDC

Lumens up to 2000, 5000 or 7000

Warranty 1 year



Sturdilite® Grind  
18W LED Floodlight



US Design Patent No. D957023



Wattage 18W

Voltage 120-277VAC

Lumens up to 2500

Warranty 5 years

SturdiLED®  
Super-rough Service LED Floodlight



US Design Patent No. D708,776



Wattage 37W

Voltage 120-277VAC

Lumens up to 2900 lumens (5300K),  
up to 2150 lumens (RED LEDs)

Warranty 5 years

FlexPro *docklite*®  
Flexible Arm LED Dock Light



Wattage 10W

Lumens up to 1100

Warranty 3 years

DLA 2 *docklite*®  
9W Modular LED Loading Dock  
Light Head



US Design Patent No. D957023



Wattage 9W

Lumens 1100

Warranty Lifetime Warranty

DLAW 2 *docklite*®  
9W Wet Location  
LED Task Light



Wattage 9W

Lumens 1100 (fixture)

Warranty 5 years

Modular *docklite*®  
Polycarbonate Light Head



Wattage up to 90W PAR38 lamp

Lumens lamp dependent  
(optional PAR38 LED lamp - 1700 lumens)

Warranty 3 years

Dock Lighting

Modular *docklite*® Arms  
Standard-duty Arms for Loading Dock Lighting



available in 40”  
and 60” lengths

Warranty 1 year



Wire Lamp Guard



- offers theft and lamp damage protection
- 7.50 inch (191 mm) diameter
- for use with standard incandescent modular light head

Fan



- 18.00 inch (457 mm) diameter
- use with Double Strut arm only
- rotates vertically and horizontally





**PHOENIX<sup>®</sup>**  
**DURABILITY X DESIGN<sup>™</sup>**

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