

HEAVY-DUTY LIGHTING FOR PORTS & TERMINALS



PHOENIX



PHOENIX



REALLY HEAVY-DUTY



Phoenix Products Company Inc.

Durable, Heavy-duty Lighting Fixtures

What kind of environments can Phoenix's fixtures stand up to?



BORN IN MINING, PHOENIX HAS THE HEAVY-DUTY CONCEPT IN ITS DNA. IT IS THE ONLY COMPANY THAT MANUFACTURES LIGHTING **FIXTURES EXCLUSIVELY FOR** SEVERE APPLICATIONS.

THE DEVICES WERE DESIGNED TO RESIST MOISTURE, SALT, VIBRATION. IMPACT AND **THUS** DRASTICALLY REDUCE THE COST MAINTAINING AND OPERATING A PORT.





WHY PHOENIX?



BORN IN THE MOST ADVERSE
ENVIRONMENT, IT IS THE ONLY
MANUFACTURER OF
HEADLIGHTS AND REFLECTORS
EXCLUSIVELY FOR SEVERE
APPLICATIONS



FIRST MANUFACTURER TO
INSTALL AN LED IN A PORT AND
MAINTAIN ITS LARGEST
INTERNAL DIVISION DEDICATED
EXCLUSIVELY TO PORTS



ISO 9001:2008 CERTIFICATION
WITH PROPRIETARY
LABORATORIES AND UL AND CE
CERTIFIED PRODUCTS
MANUFACTURED IN THE USA.



PORTFOLIO

















































PORT APPLICATIONS



CRANES, SHIP LOADERS
Y SHIP UNLOADERS

YARD LIGHTING

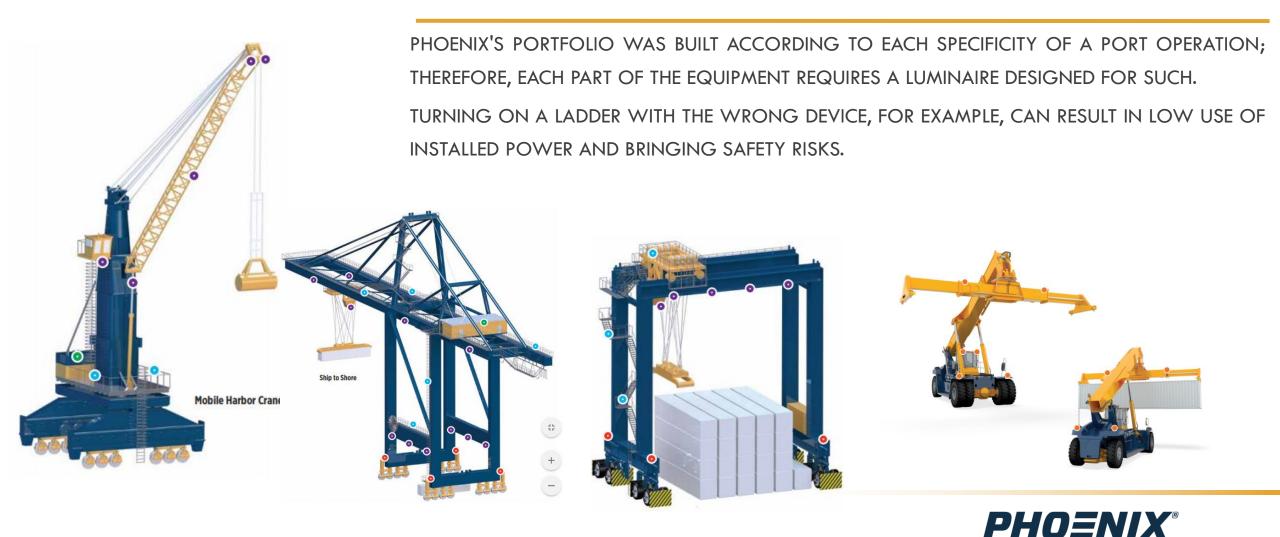
MOBILE EQUIPMENT

WAREHOUSES

CONVEYOR BELT
SYSTEMS



ASSEMBLY LAYOUTS



A HISTORY OF INNOVATION







FIRST LED
FIXTURE ON A
CONTAINER
TERMINAL
CRANE



FIRST
TERMINAL
CRANE
PURPOSE BUILT
FIXTURE



PORT COMMAND FLOOD



- RTG COMMAND FLOOD AND STS COMMAND FLOOD
- FIXTURE DESIGNED AND OPTIMIZED FOR RTG AND STS
- MARINE GRADE WITH MAXIMUM RESISTANCE IN SALT SPRAY
 TEST
- STAINLESS STEEL BRACKET AND EXTRUDED ALUMINUM BODY
 WITH THICK ANODIZED COVER
- SUPPLIED WITH SAFETY CABLES AND AVAILABLE IN 4 DIFFERENT OPTICS
- THREE WATTAGES AVAILABLE: 120W, 240W AND 360W WITH 15,300, 32,000 AND 48,000 LUMENS.
- PIVOTING BRACKETS FOR PROPER DIRECTION.
- 5-YEAR WARRANTY



WAYFINDER



- WAYFINDER
- ACCESS LIGHT WITH OPTIONAL INTEGRATED EMERGENCY
 BATTERY
- IDEAL FOR STAIRWAYS, CATWALKS AND ESCAPE ROUTE LIGHTING.
- 3-HOUR SPAN RUNNING ON BATTERY
- COMPACT AND WITH MODERN DESIGN.
- IT OFFERS UP TO 1,100 LUMENS WITH ONLY 9W.
- CAST ALUMINUM CASE AND WHITE THERMOSET POWDER COATING.
- 120-277V AC
- 5-YEAR WARRANTY.



MERIDIAN



MERIDIAN

- IDEAL FOR LIGHTING YARDS AND LARGE AREAS.
- HIGH MAST FIXTURE DESIGNED TO WITHSTAND VIBRATION,
 HUMIDITY, SALT AND DUST CONDITIONS.
- PERFECT COMBINATION WITH THE LIT SYSTEM, ALLOWING TOTAL CONTROL IN EACH ACCESSORY - IIOT.
- AVAILABLE IN TWO SIZES/POWERS: MER-250 (40,000 LUMENS)
 AND MER-500 (80,000 LUMENS)
- 3G VIBRATION RESISTANCE
- UL 1598
- 120-240 V AC WITH POWER FACTOR 0.9 @ 277 V.
- 5-YEAR WARRANTY.



LIT SYSTEMTM



- LIGHT INTELLIGENCE TECHNOLOGY: CONTROL AND MONITORING OF LIGHT WITH CUTTING-EDGE TECHNOLOGY.
- ZONE MANAGEMENT
- DATA COLLECTION AND REPORTING FOR SUPERIOR EFFICIENCY.
- ASSET MANAGEMENT TO REDUCE POWER CONSUMPTION AND MAXIMIZE DEVICE LIFE.
- DESIGNED TO MATCH PERFECTLY WITH OUR MERIDIAN DEVICE.
- WIRELESS COMMUNICATION BETWEEN APPLIANCES THAT
 ALLOWS YOU TO CONTROL EACH LUMINAIRE INDIVIDUALLY,
 CREATE ZONES, SCHEDULES, CONTROL ITS OPERATION, ENERGY
 CONSUMPTION AND DRASTICALLY REDUCE WIRING AND
 CIRCUIT COSTS IN INSTALLATION AND MAINTENANCE.



LIT SYSTEMTM - EASY TO INSTALL





1. OPEN APP AND SCAN QR CODE IN EACH CONTROLLER



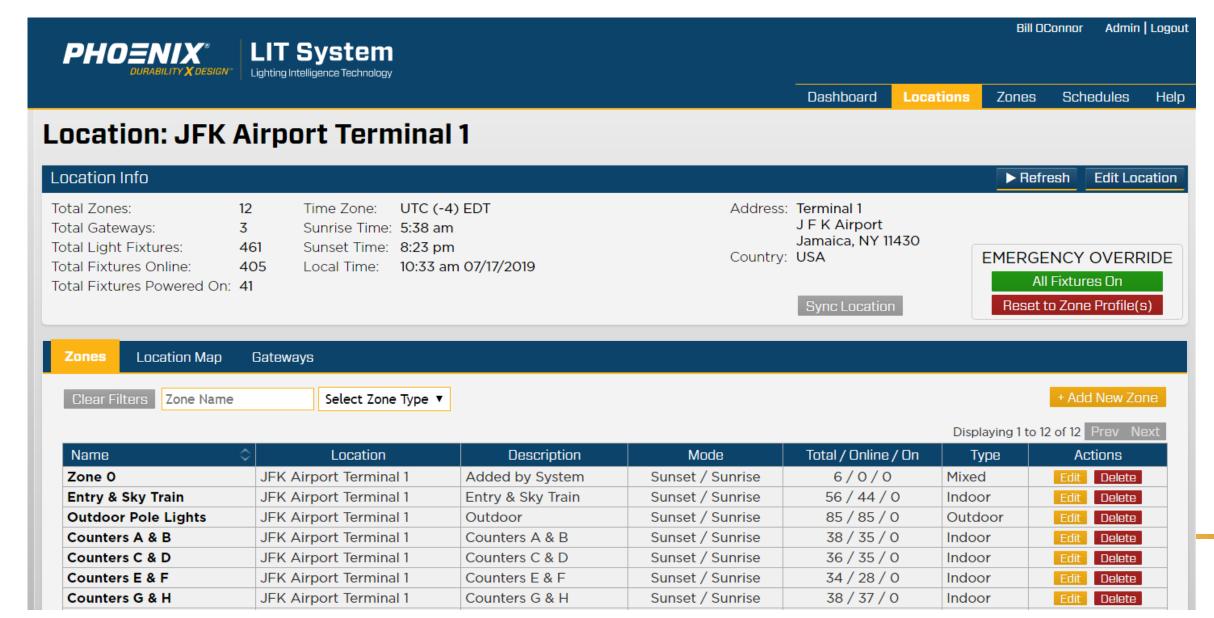
2. CONNECT CONTROLLER TO THE FIXTURE



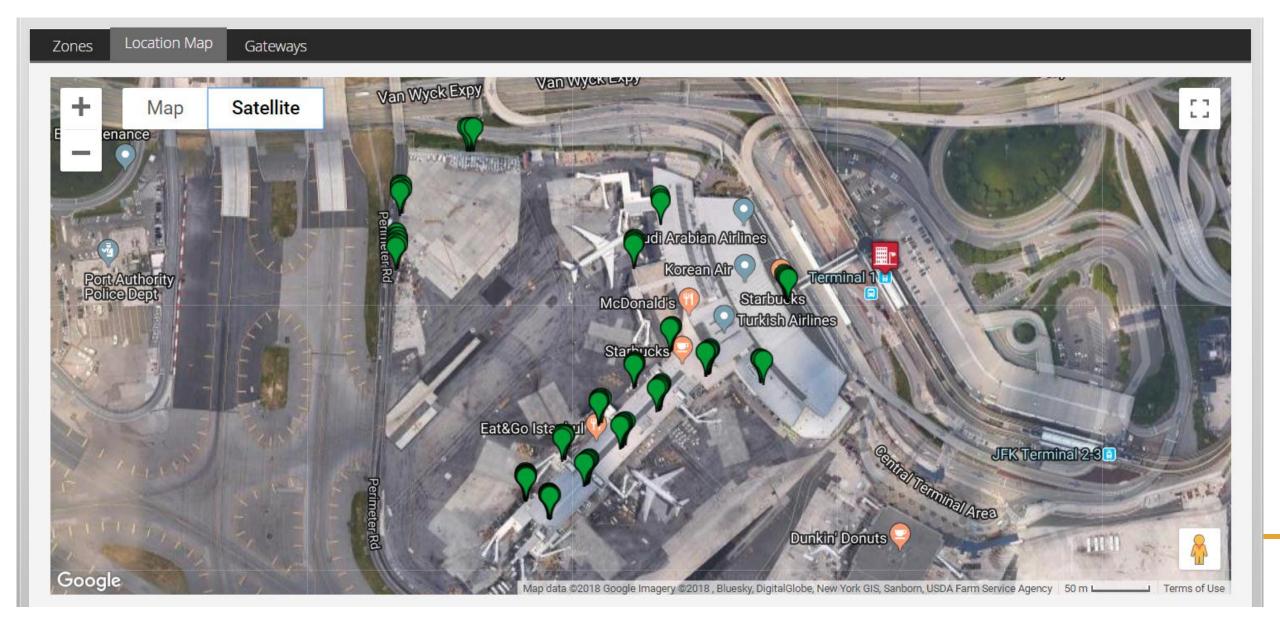
3. RAISE AND LIT UP THE MAST TO AUTO-CREATE THE MESH NET THROUGH THE GATEWAY



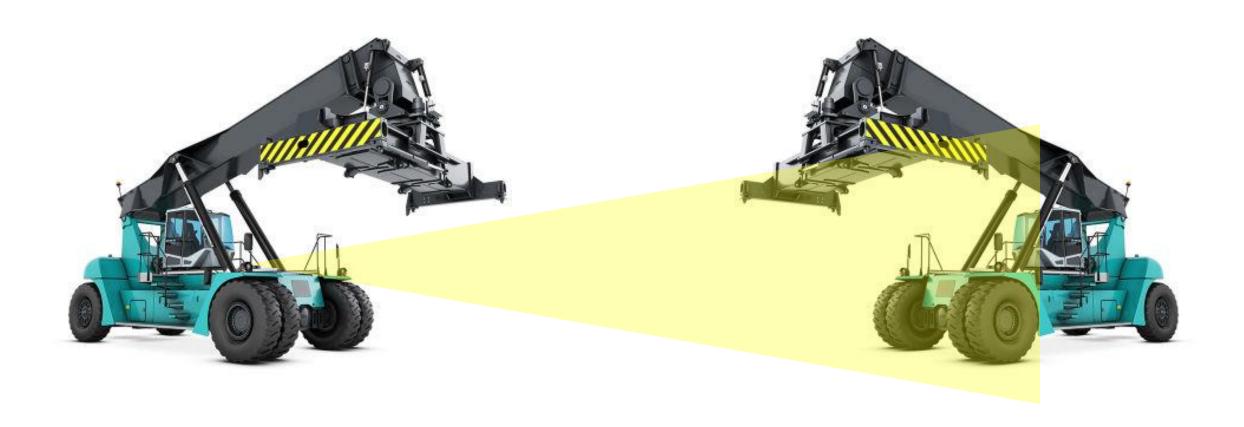
LIT SYSTEMTM - SYSTEM SCREEN



LIT SYSTEMTM - SYSTEM SCREEN



GLARE - A SAFETY ISSUE





MASTER SERIES - NO GLARE OPTICS





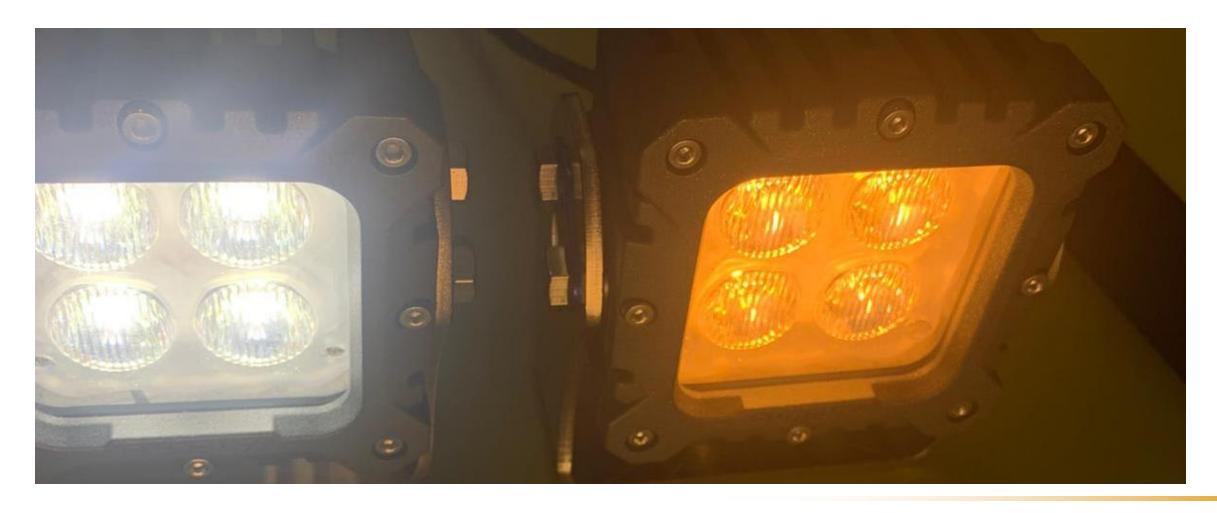
MASTER SERIES



- EXTREMELY ROBUST PREMIUM DC LED HEADLIGHT (12-48V AND 24-48V)
 FOR MOBILE EQUIPMENT
- AVAILABLE IN THREE SIZES AND WATTAGES: 24W WITH 2500 LUMENS, 48W
 WITH 5000 LUMENS AND 74W WITH 7600 LUMENS
- OLEOPHOBIC LENS COATING PREVENTS THE ACCUMULATION OF DUST,
 WATER AND SLUDGE WHILE MAINTAINING ITS PHOTIC EFFICIENCY
- 4 OPTICS MINIMIZE GLARE AND PROVIDE OPTICAL CONTROL WITH 120°
 PIVOT
- AUTOMATIC LIGHT OUTPUT CONTROL WITH LUMEN REDUCTION FOR HIGH
 TEMPERATURE PROTECTION
- 3-YEAR WARRANTY



MASTER SERIES - AMBER



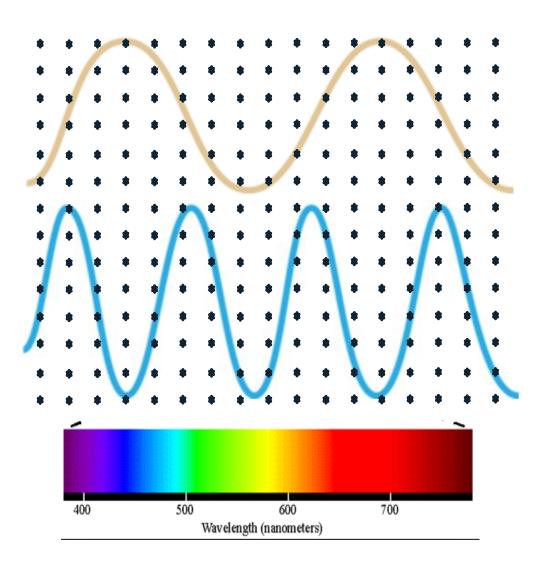


MASTER SERIES - AMBER

Longer wavelengths encounter fewer obstacles than shorter wavelengths

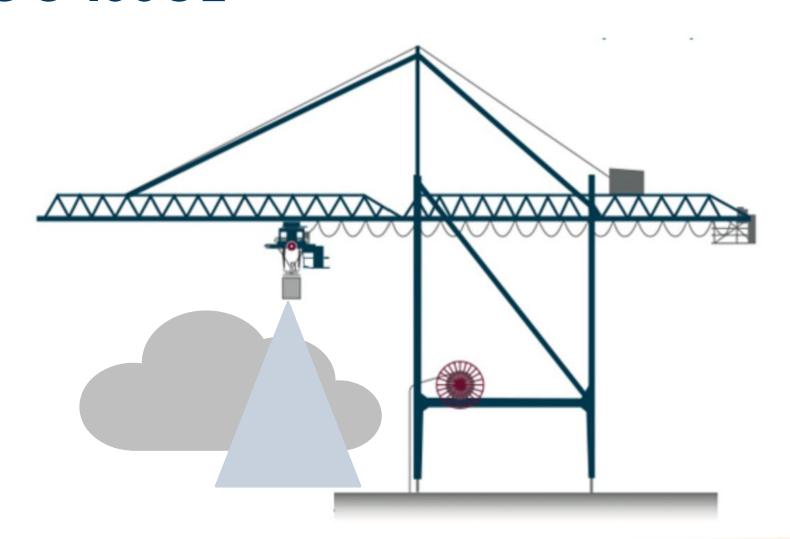
With fog or dust, operators prefer amber
 light as it has a longer wavelength

Amber MST available with CCT 2200K





FOG ISSUE













THANK YOU!

