HIGH MAST LIGHTING

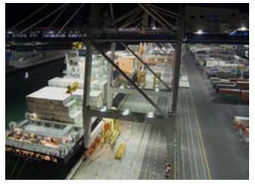
Structural and Maritime Applications

LED | LIGHTING CATALOG

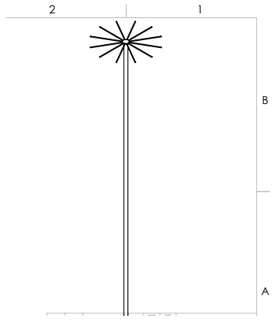
LIGHTING EVOLVED
GENUINE
Vision
Global Lighting Systems
SINCE 1997
VISIONXLIGHTING.COM

ENGINEERED LIGHTING SOLUTIONS

Vision X lighting fixtures are not merely lighting systems, they are engineered lighting solutions. They provide increased efficiency, increased safety, decreased environmental impact, and decreased costs. Vision X LED lights offer a large increase in energy efficiency over older technologies while also increasing the safety and productivity of the working environment by outputting 80% more light than the fixtures used previously.

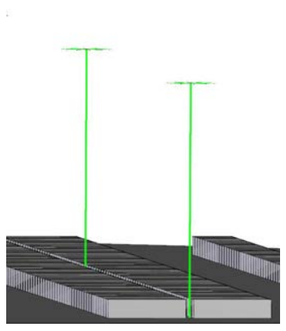


SOLUTION PROCESS



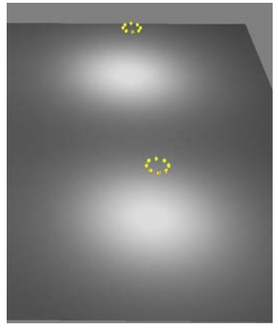
2D BLUEPRINT

Vision X Lighting begins each project with a customer provided list of machines to be retrofitted, then gathers the technical information for those machines.



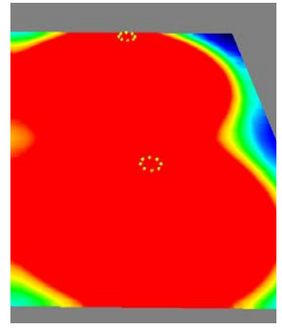
3D MODEL

A 3D model is built to the customer's specifications, then carried over into the rendering.



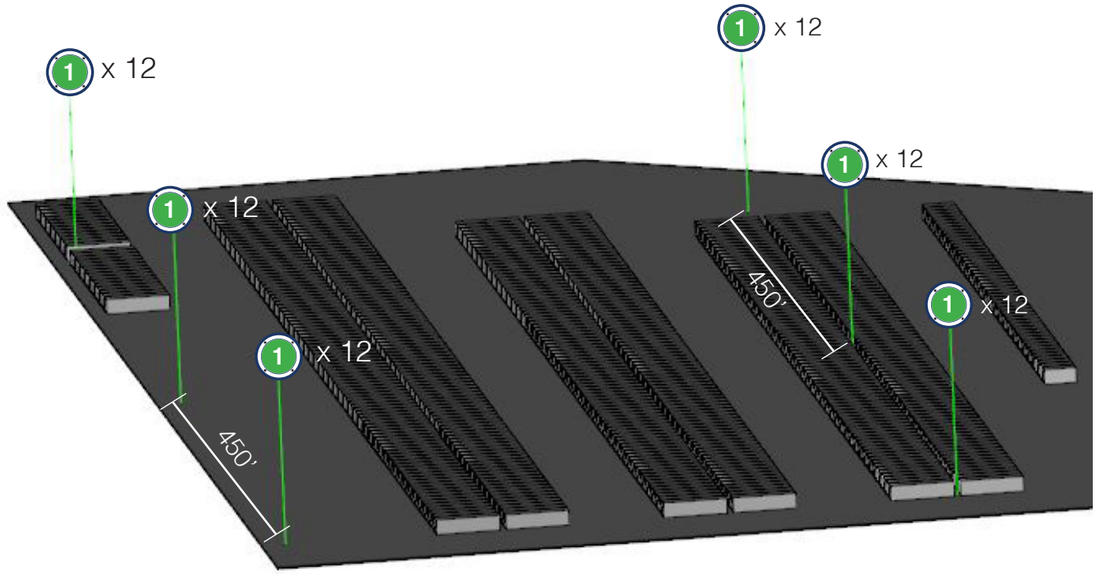
SIMULATION RENDER

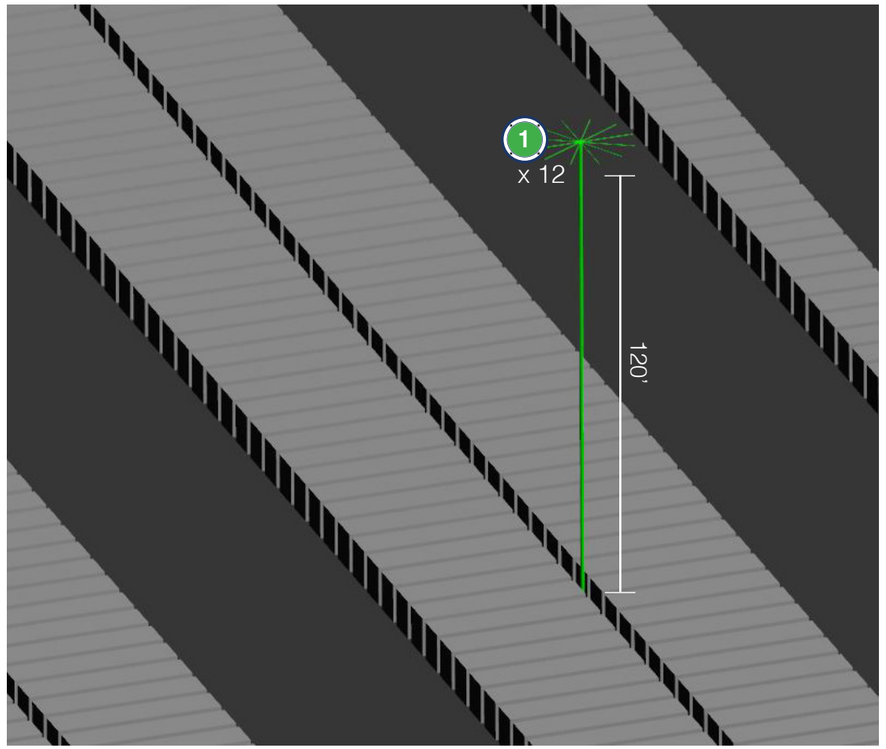
A simulation rendering ensures the final product will meet the customer's lighting requirements.



SOLUTION

Vision X Lighting creates a complete breakdown of the customer's specific needs to meet their safety requirements.





1 AC 280W

HIGH MAST LIGHTING
AC-SERIES AREA LIGHT

Number of Fixtures : **Application Specific**
Locations : **High Mast**
Beam Pattern : **10°, 25°, 40°**
Part # : **LSG00660xxSTRHDQC**

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HIGH MAST LIGHTING
Product Information

Project Name:
Date:
Type:

Application
Designed to outshine and outlast the competition, the AC Mast Lighting fixture features advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design (60 LED) that allow the fixture to function even if half of the light should fail for unknown reasons. This is part of the effort by Vision X to ensure that the AC Boom Lighting fixture is the most dependable LED fixture in the workplace.

SPECIFICATIONS 280-WATT HIGH LED

Mechanical Information:

Fixture Weight:	37.05 lbs (16.81kg)
Shipping Weight:	40.05 lbs (18.17kg)
Mounting/ Entries: (See Accessories)	(1) 3/4" NPT - TOP (2) 3/4" NPT 90° - SIDES (2) 3/4" NPT 45°- SIDES

Electric Specifications:

Operating Voltage:	90 - 305V AC 127 - 431V DC
Lumens:	36000 lm
Wattage:	280W
Operating Temp:	-40°C ~ 60°C
THD:	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
Power Factor:	≥ 0.98/115VAC ≥ 0.95/230VAC ≥ 0.92/277VAC
Short Circuit:	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
Frequency:	47-63Hz
Vibration:	15.6Grms

Construction:

Housing:	Die-Cast 6061 Aluminum
Finish:	Gloss Grey
Lens:	Polycarbonate Lens

LED Light Engine / Driver

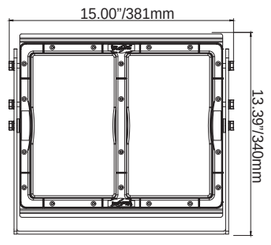
LED:	XP-LHD(CREE)
Amp Draw:	2.43A @ 115VAC 1.22A @ 230VAC 1.01A @ 277VAC
Lifespan:	50,000 hr

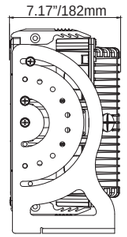
Stainless Steel Brackets

PART #:	BEAM PATTERN
1 LSG00660xxSTRHDQC	10°, 25°, 40°

High Voltage Available

2D DRAWING:





RATINGS:

EMC Emission:	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@Load ≥ 50%); EN61000-3-3
EMC Immunity:	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level (surge immunity Line-Earth 4KV, Line-Line 2KV
Ingress Protection:	IP-68, IP69k

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