

# 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.









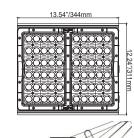


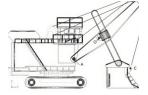














Vision X Lighting begins each project with a customer provided list of machines to be retrofitted, then gathers the technical information for those machines.



### **3D MODEL**

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

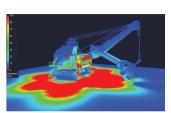


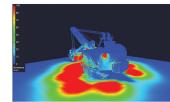


### **SIMULATION RENDER**

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

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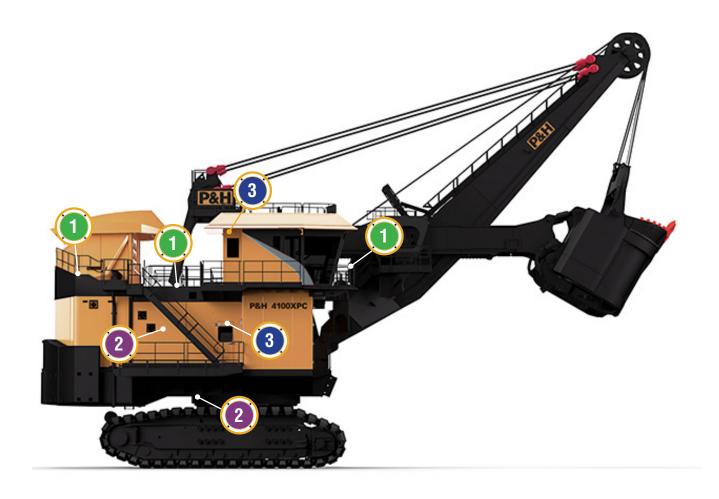
### SOLUTION

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













# WORK AREA LIGHTING AC FLOOD SERIES WORK LIGHT

Number of Fixtures: Equipment Specific Location: House, Boom Beam Pattern: 90° Wide Flood Part #: LSG066090PH



### HOUSE & TRACK LIGHTING J-BOX SERIES WORK LIGHT

Number of Fixtures: Equipment Specific Location: Interior House, Track Beam Pattern: 180° Ultra Wide Flood Part #: LSG0225180PH



# EQUIPMENT & OVER-DOOR LIGHTING AC-SERIES WORK LIGHT

Number of Fixtures: Equipment Specific Location: Over-Door Beam Pattern: 180° Ultra Wide Flood Part#: LSGSM40180PH



## SAFETY | KILLZONE LIGHTING XIL-SERIES WORK LIGHT

Number of Fixtures: Equipment Specific Location: L, R, Rear Sides Beam Pattern: 30/65° Elliptical Part #: XIL-UMX44E3065R



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Project Name: Date: Type:

### **Application**

Designed to directly bolt in, these OEM replacements will out perform the factory P&H lighting by over 80% on the effective work area. Simple quick connect wiring allows for one time wiring and no further electrical wiring to change the fixture. 3D analysis allows for site specific aiming with our patented ProTrac aiming system. Industry leading LED light output, size, weight and reliability for reduced unscheduled maintenance.

### **SPECIFICATIONS**

Mechanical Information:	
Fixture Weight:	54.6 lbs (24.77kg)
Shipping Weight:	62.60 lbs (28.39kg)
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
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	
LED:	XP-LHD(CREE)
Amp Draw:	2.43A @ 115VAC 1.22A @ 230VAC 1.01A @ 277VAC
Lifespan:	50,000 hr



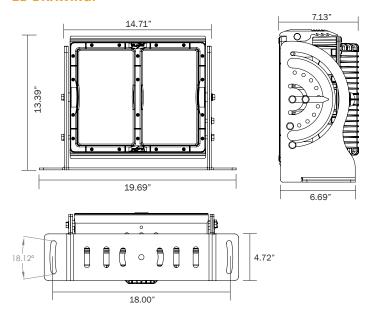
### PART #:

### **BEAM PATTERN**

1 LSG066090PH

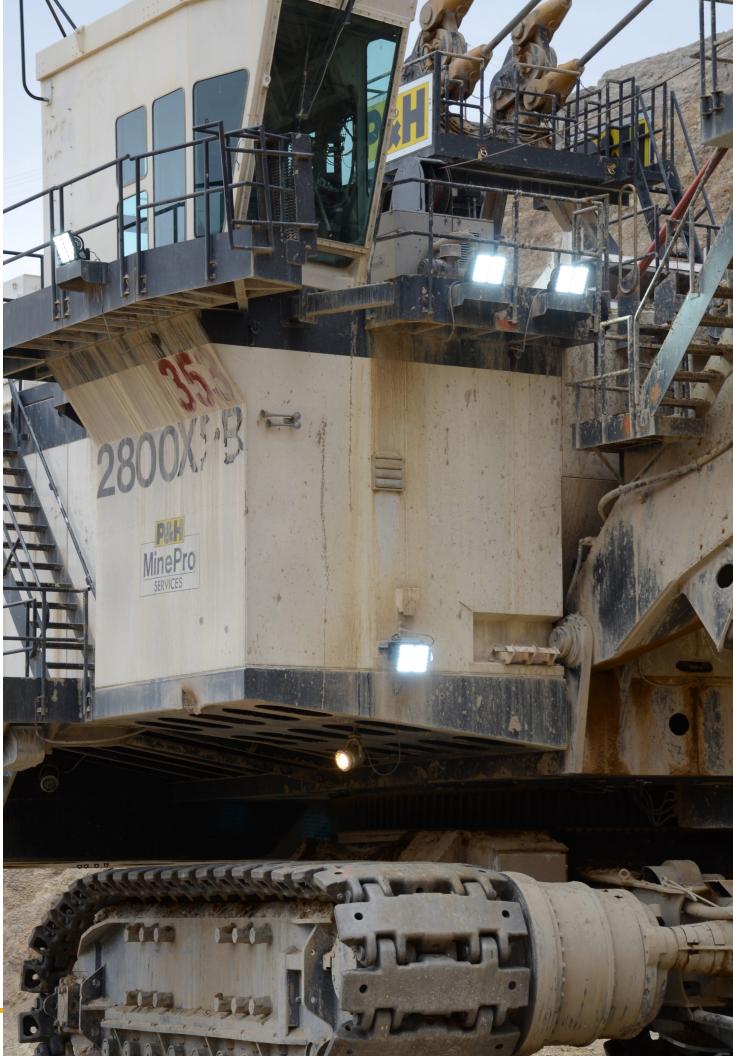
Flood 90°

### **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







**Project Name:** Date: Type:

# **EQUIPMENT & OVER-DOOR LIGHTING Product Information**

**Project Name:** Date: Type:

### **Application**

Interior house and track lighting direct OEM replacement. Simple quick connect wiring allows for one time wiring and no further electrical wiring to change the fixture. Provides 200+ degree lighting other LED fixtures cannot produce. Industry leading LED light output, size, weight and reliability for reduced unscheduled maintenance.

### **SPECIFICATIONS**

Mechanical Information:		
Fixture Weight:	8 lbs (3.8kg)	
Shipping Weight:	10 lbs (4.5kg)	
Mounting/ Entries: (See Accessories)	(6) 3/4" NPT - SIDES	

### **Electric Specifications:**

•	
Operating Voltage:	90 - 305VAC 127 - 431VDC
Wattage:	50W
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
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### **Construction:**

Housing:

Finish:

Lens:	Polycarbonate Lens
LED	
LED:	MHB-B(CREE)
Amp Draw:	0.43A @ 115VAC 0.22A @ 230VAC 0.18A @ 277VAC
Lifespan:	50,000 hr

Die-Cast 6061 Aluminum

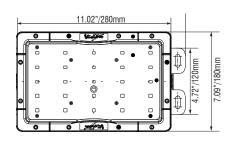
Gloss Grey





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### **2D DRAWING:**





### **RATINGS:**

EMC Emission:	Compliance to EN55022,EN61000-3-2 Class A ,EN61000-3-3
EMC Immunity:	Compliance to EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A
Ingress Protection:	IP-68, IP69k

### **Application**

Direct bolt on over door and access panel lighting. Provides 200+ degree lighting other LED fixtures cannot match. Reduce unscheduled maintenance with robust mounts and guaranteed light operation. Optional colored covers for indicator lighting available in Red, Amber, Blue and Green. Industry leading LED light output, size, weight and reliability for reduced unscheduled maintenance.

### **SPECIFICATIONS**

Mechanical Information	1:
Fixture Weight:	2 lbs (0.9kg)
Shipping Weight:	4 lbs (1.8kg)
Mounting/ Entries: (See Accessories)	(4) 3/4" NPT - SIDES

### **Electric Specifications:**

Operating Voltage:	90 - 264VAC 127 - 370VDC
Wattage:	10W
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:	5630(LG)
Amp Draw:	0.09A @ 115VAC 0.04A @ 230VAC 0.04A @ 277VAC
Lifespan:	50,000 hr

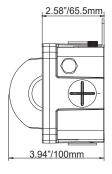




PART #:	BEAM PATTERN		
3 LSGSM40180PH	180°		

### **2D DRAWING:**





### **RATINGS**:

EMC Emission:	Compliance to EN55022,EN61000-3-2 Class A ,EN61000-3-3		
EMC Immunity:	Compliance to EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A		
Ingress Protection:	IP-68, IP69k		





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Project Name: Date: Type:



Project Name: Date: Type:

### **Application**

The Vision X Kill Zone system uses an elliptical pattern and a RED LED to paint a potential "Kill Zone" path around the counter weight of any shovel or can also indicate the swing path of any piece of equipment. This modular system can be scaled to any size or any application.

### **SPECIFICATIONS**

MECHANICAL:	
Fixture Weight:	2.65 lbs (1.2kg)
Shipping Weight:	4.03 lbs (1.83kg)
Mounting:	Single Bolt M10

### **ELECTRICAL**:

Operating Voltage:	11~65VDC		
Wattage:	21W		
Operating Temp:	-40°C ~ 80°C		
Vibration:	15.6Grms		
Connector:	2 Pin Deutsch		

### **CONSTRUCTION:**

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

### LED

LED:	3W (XPG-CREE, RED)		
Raw Lumens:	3,451 lm		
Amp Draw:	2.97A @ 11.8V		
Lifespan:	50,000 hr		

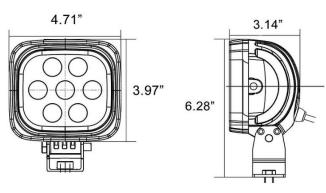
### **RATINGS:**

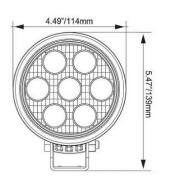
EMC Emission:	(CISPR 25) Edition 3.0 (2008-03) Class 3			
Ingress Protection:	IP-68, IP69k			
Warranty:	3 Years			

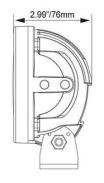


PART #:	<b>BEAM PATTERN</b>	HOUSING
4 XIL-UM44E3065R	Elliptical 30/60° RED	Square
XIL-UM40E3065R	Elliptical 30/60° RED	Round

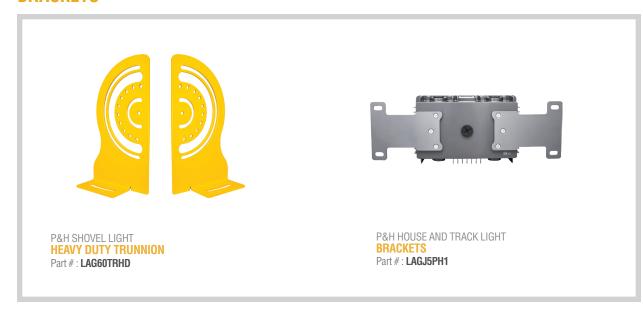
### **2D DRAWING:**







### **BRACKETS**



### **HARDWARE**



NUTES.			



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### **VISION X USA**

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### **VISION X ASIA**

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