

## 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.









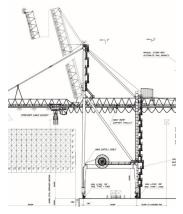


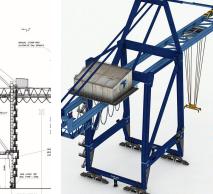


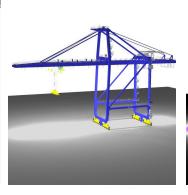


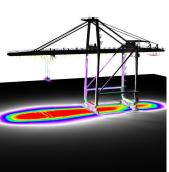












#### **2D BLUEPRINT**

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

#### **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 lighting and safety requirements.







**Project Name:** Date: Type:

### **SPREADER 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
Wattage:	280W
Operating Temp:	-40°C ~ 60°C
THD:	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
Power Factor:	$\geq 0.98/115VAC$ $\geq 0.95/230VAC$ $\geq 0.92/277VAC$
Short Circuit:	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
Frequency:	47-63Hz
Vibration:	15.6Grms

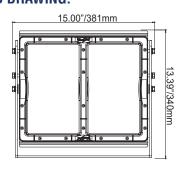
#### **Construction:**

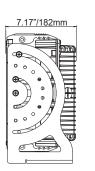
Housing:	Die-Cast 6061 Aluminum
Finish:	Gloss Grey
Lens:	Polycarbonate Lens
LED Light Engine / Driver	VD LLID/CDFF)
LED: Amp Draw:	XP-LHD(CREE) 2.43A @ 115VAC
	1.22A @ 230VAC 1.01A @ 277VAC
Lifespan:	50,000 hr



PART #:	BEAM PATTERN	
LSG00660xxSTRHDQC	10°, 25°, 40°, 60°, 90°	
LSG02140STRHDQC	180° Ultra Wide Flood	

#### **2D DRAWING:**





RATINGS:	
EMC Emission:	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@Load $\geq$ 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
UL 1598A Marine:	<b>Ø</b>
Ingress Protection:	IP-68, IP69k

#### **Application**

Designed to outshine and outlast the competition, the AC Spreader Lighting fixture features advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design (30 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 Spreader Lighting fixture is the most dependable LED fixture in the workplace.

#### **SPECIFICATIONS** 140-WATT HIGH VOLT LED

Mechanical Information:	
Fixture Weight:	22.05 lbs (10kg)
Shipping Weight:	26.9 lbs (12.2kg)
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:	140W
Operating Temp:	-40°C ~ 60°C
THD:	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
Power Factor:	$\geq$ 0.98/115VAC $\geq$ 0.95/230VAC $\geq$ 0.92/277VAC
Short Circuit:	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
Frequency:	47-63Hz
Vibration:	15.6Grms

#### **Construction:**

Housing:

Finish:	Gloss Grey
Lens:	Polycarbonate Lens
LED Light Engine / Driver	

Die-Cast 6061 Aluminum

#### LED Light Engine / Driver

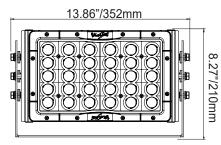
LED:	XP-L(CREE)
Amp Draw:	1.22A @ 115VAC 0.61A @ 230VAC 0.51A @ 277VAC
Lifespan:	50,000 hr

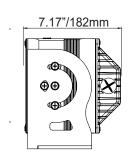




PART #:	<b>BEAM PATTERN</b>
2 LSG0630xxSTRHDQC	10°, 25°, 40°, 60°, 90°
LSG0270STRHDQC	180° Ultra Wide Flood

#### **2D DRAWING:**





#### RATINGS:

EMC Emission:	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@Load $\geq$ 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
UL 1598A Marine:	<b>⊘</b>
Ingress Protection:	IP-68, IP69k





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Project Name: Date: Type:



Project Name: Date:

Type:

#### **Application**

Designed to outshine and outlast the competition, the Spreader Lighting fixture features advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design 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 Machine House Lighting fixture is the most dependable LED fixture in the workplace.

### **SPECIFICATIONS** 50-WATT JUNCTION BOX

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

#### **Construction:**

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

#### **LED Light Engine / Driver**

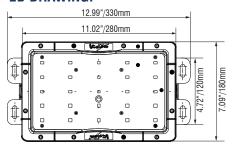
LED:	MHB-B(CREE)
Amp Draw:	0.43A @ 115VAC 0.22A @ 230VAC 0.18A @ 277VAC
Lifespan:	50,000 hr

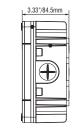




PART #:	<b>BEAM PATTERN</b>
3 LSG0330xxSTRHDQC	10°, 25°, 40°, 60°, 90°
LSG0225180STRHDQC	180° Ultra Wide Flood

#### **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
UL 1598A Marine:	<b>②</b>
Ingress Protection:	IP-68 IP69k

#### **Application**

Designed to outshine and outlast the competition, the Walkway Lighting fixture features advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design 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 Walkway Lighting fixture is the most dependable LED fixture in the workplace.

#### **SPECIFICATIONS** 10-WATT JUNCTION BOX

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

#### **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:

Finish:	Gloss Grey
Lens:	Polycarbonate Lens
LED Light Engine / Driver	
LLD Light Liighte / Driver	
LED:	5630(LG)
Amp Draw:	0.09A @ 115VAC
•	0.04A @ 230VAC
	0.04A @ 277VAC

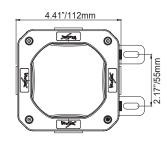
Die-Cast 6061 Aluminum

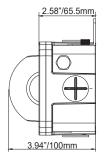




	PART #:	BEAM PATTERN
4	LSGSM40180FQC	180° Ultra Wide Flood

#### 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
UL 1598A Marine:	<b>⊘</b>
Ingress Protection:	IP-68, IP69k





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Project Name: Date: Type:



Project Name: Date: Type:

#### **Application**

Designed to outshine and outlast the competition, the Linear Luminaire fixture features advanced electronic technology like Pulse Width Modulation, Electronic Thermal Management, and a Redundant Circuit Design 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 Linear Luminaire fixture is the most dependable LED fixture in the workplace.

### **SPECIFICATIONS** 4-FT LINEAR LUMINAIRE

Mechanical Information:	
Fixture Weight:	11.6 lbs (5.2kg)
Shipping Weight:	13.65 lbs (6.2kg)
Mounting/ Entries: (See Accessories)	

#### **Electric Specifications:**

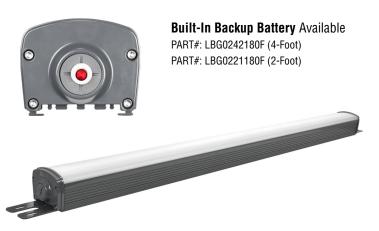
Operating Voltage:	90 - 305VAC 127 - 300VDC
Lumens:	13,400 lm
Wattage:	100W
Operating Temp:	-40°C ~ 40°C
THD:	< 20% (@load≥70% / 100-277VAC)
Power Factor:	≥ 0.99/120VAC ≥ 0.96/220VAC
Short Circuit:	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
Frequency:	47-63Hz
Vibration:	8.7Grms

#### **Construction:**

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

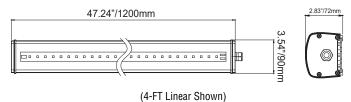
#### **LED Light Engine / Driver**

LED:	MHB-B(CREE)		
Amp Draw:	1.0A @ 120VAC 0.55 @ 220VAC		
Lifespan:	50,000 hr		



	PART #:	<b>BEAM PATTERN / SIZE</b>		
<b>(5)</b>	LLG0242180FSRQC	180° Ultra Wide Flood / 4ft.		
	LLG0221180FSRQC	180° Ultra Wide Flood / 2ft.		
	LLG0212180FSRQC	180° Ultra Wide Flood / 1ft.		

#### **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-66, IP-67

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