

# TRAWLER BOAT LIGHTING

Maritime Applications

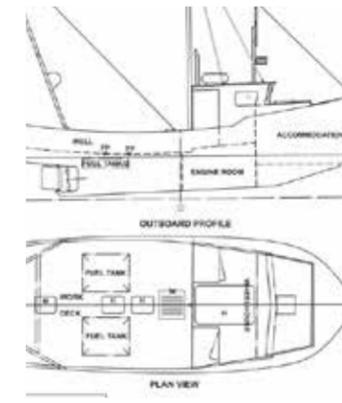


LED | LIGHTING CATALOG



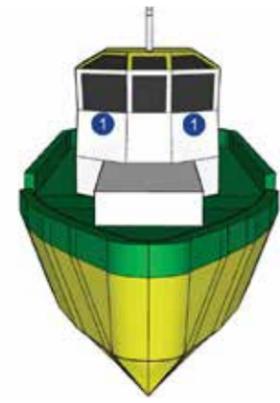
# ENGINEERED LIGHTING SOLUTIONS

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.



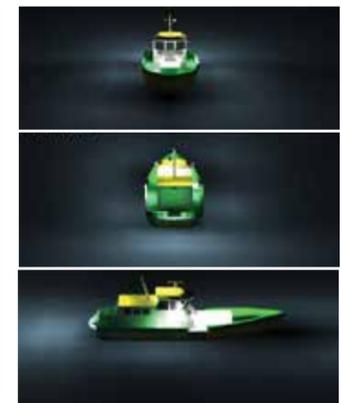
**2D BLUEPRINT**

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



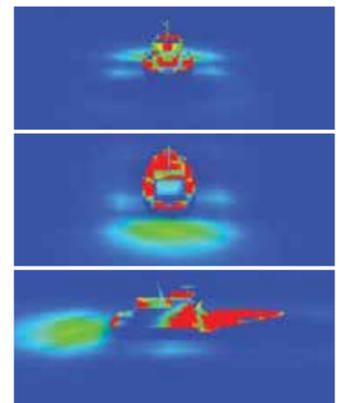
**3D MODEL**

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



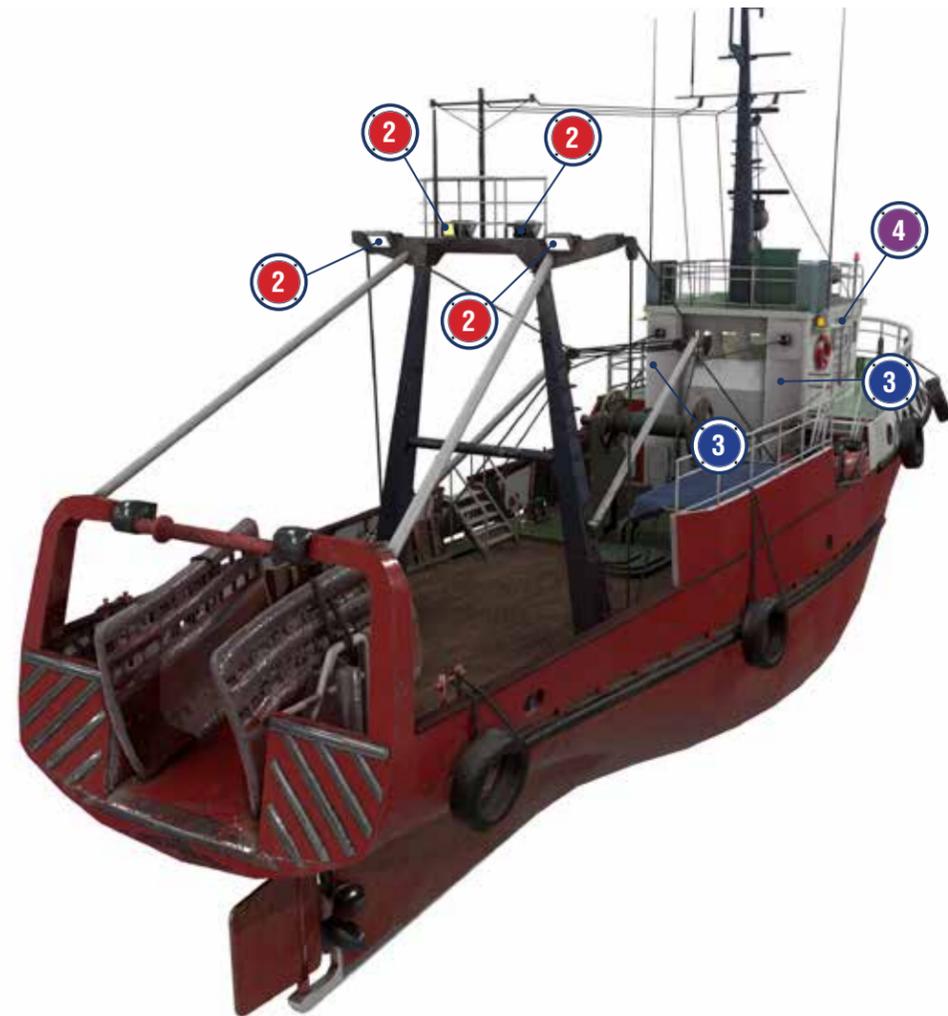
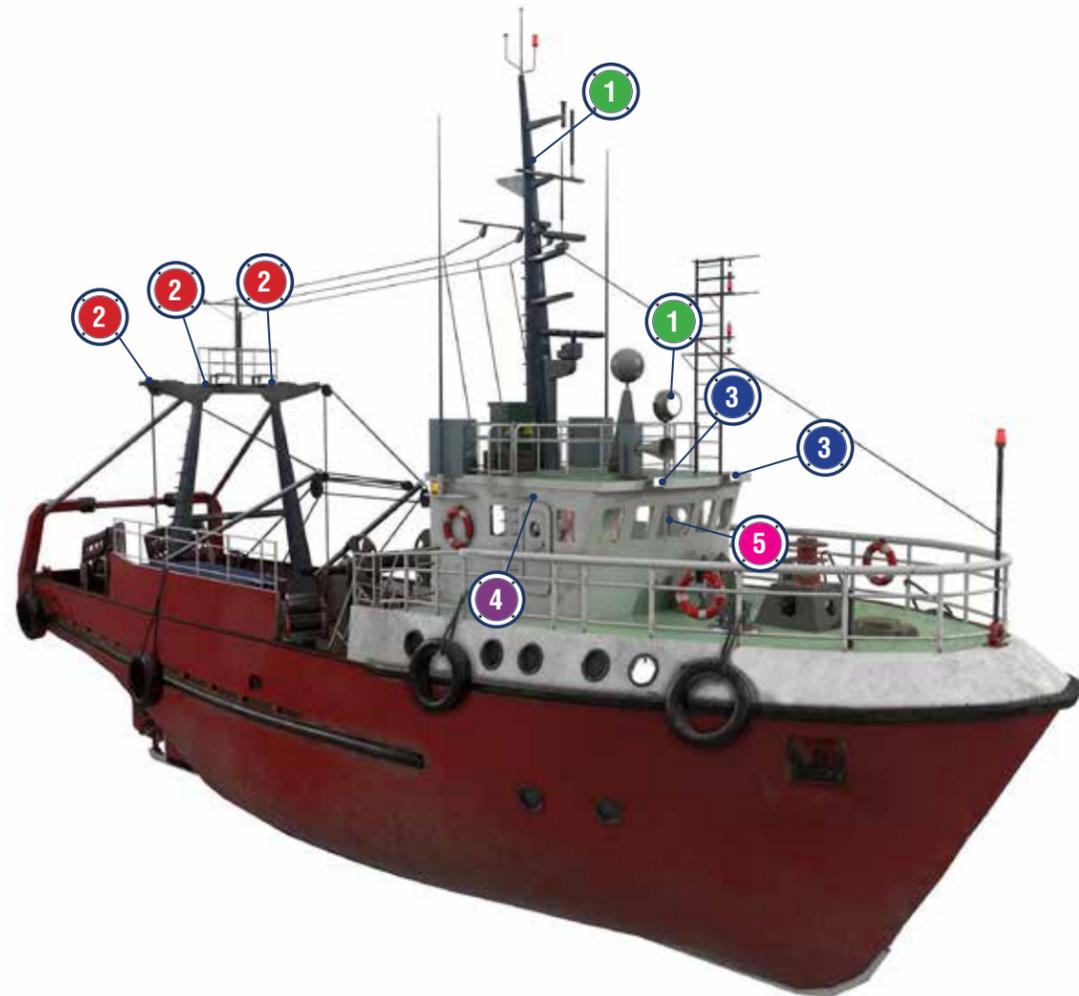
**SIMULATION RENDER**

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**



**MAST LIGHTING  
AC-SERIES MARINE LIGHT**

Number of Fixtures : **Vessel Specific**  
Locations : **Mast**  
Beam Pattern : **10°, 25°, 40°, 60°, 90°**  
Part # : **LSG00660xxSTRHDQC**

**2 AC 140W**



**SPREADER LIGHTING  
AC-SERIES MARINE LIGHT**

Number of Fixtures : **Vessel Specific**  
Locations : **Rear Mast**  
Beam Pattern : **10°, 25°, 40°, 60°, 90°**  
Part # : **LSG0630xxSTRHDQC**

**3 JBOX 50W**



**SPREADER LIGHTING  
AC-SERIES MARINE LIGHT**

Number of Fixtures : **Vessel Specific**  
Locations : **Exterior Cabin House**  
Beam Pattern : **90°, 180°**  
Part # : **LSG0330xxSTRHDQC**

**4 JBOX 10W**



**CABIN LIGHTING  
AC-SERIES MARINE LIGHT**

Number of Fixtures : **Vessel Specific**  
Locations : **Walkway, Stairwells**  
Beam Pattern : **180°**  
Part # : **LSGSM40180FQC**

**5 LINEAR LIGHT**



**INTERIOR LIGHTING  
AC-SERIES MARINE LIGHT**

Number of Fixtures : **Vessel Specific**  
Locations : **Interior Rooms**  
Beam Pattern : **180°**  
Part # : **LLG0242180FSRQC (4ft)**  
**LLG0221180FSRQC (2ft)**  
**LLG0212180FSRQC (1ft)**



# 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 STAINLESS STEEL

### Mechanical Information:

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

### Electric Specifications:

<b>Operating Voltage:</b>	90 - 305V AC 127 - 431V DC
<b>Lumens:</b>	36000 - 42000 lm
<b>Wattage:</b>	280W
<b>Operating Temp:</b>	-40°C ~ 60°C
<b>THD:</b>	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
<b>Power Factor:</b>	≥ 0.98/115VAC ≥ 0.95/230VAC ≥ 0.92/277VAC
<b>Short Circuit:</b>	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
<b>Frequency:</b>	47-63Hz
<b>Vibration:</b>	15.6Grms

### Construction:

<b>Housing:</b>	Die-Cast 6061 Aluminum
<b>Finish:</b>	Gloss Grey
<b>Lens:</b>	Polycarbonate Lens

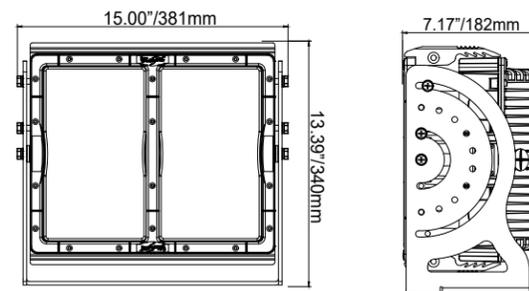
### LED Light Engine / Driver

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



PART #:	BEAM PATTERN
1 LSG00660xxSTRHDQC	10°, 25°, 40°, 60°, 90°
LSG02140180STRHDQC	180° Ultra Wide Flood

### 2D DRAWING:



### RATINGS:

<b>EMC Emission:</b>	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@Load ≥ 50%); EN61000-3-3
<b>EMC Immunity:</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level (surge immunity Line-Earth 4KV, Line-Line 2KV)
<b>UL 1598A Marine:</b>	✓
<b>Ingress Protection:</b>	IP-68, IP69k



# SPREADER LIGHTING

## Product Information

Project Name:  
Date:  
Type:

### 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 STAINLESS STEEL

### Mechanical Information:

<b>Fixture Weight:</b>	22.05 lbs (10kg)
<b>Shipping Weight:</b>	26.9 lbs (12.2kg)
<b>Mounting/ Entries: (See Accessories)</b>	(1) 3/4" NPT - TOP (2) 3/4" NPT 90° - SIDES (2) 3/4" NPT 45° - SIDES

### Electric Specifications:

<b>Operating Voltage:</b>	90 - 305V AC 127 - 431V DC
<b>Lumens:</b>	18000 - 21000 lm
<b>Wattage:</b>	140W
<b>Operating Temp:</b>	-40°C ~ 60°C
<b>THD:</b>	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
<b>Power Factor:</b>	≥ 0.98/115VAC ≥ 0.95/230VAC ≥ 0.92/277VAC
<b>Short Circuit:</b>	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
<b>Frequency:</b>	47-63Hz
<b>Vibration:</b>	15.6Grms

### Construction:

<b>Housing:</b>	Die-Cast 6061 Aluminum
<b>Finish:</b>	Gloss Grey
<b>Lens:</b>	Polycarbonate Lens

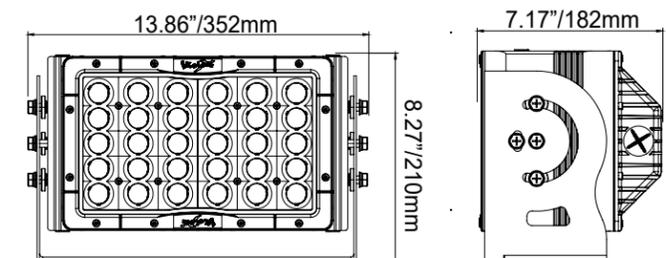
### LED Light Engine / Driver

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



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

### 2D DRAWING:



### RATINGS:

<b>EMC Emission:</b>	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (@Load ≥ 50%); EN61000-3-3
<b>EMC Immunity:</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level (surge immunity Line-Earth 4KV, Line-Line 2KV)
<b>UL 1598A Marine:</b>	✓
<b>Ingress Protection:</b>	IP-68, IP69k



# SPREADER LIGHTING

## Product Information

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

#### Mechanical Information:

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

#### Electric Specifications:

<b>Operating Voltage:</b>	90 - 305VAC 127 - 431VDC
<b>Lumens:</b>	6000 - 7000 lm
<b>Wattage:</b>	50W
<b>Operating Temp:</b>	-40°C - 60°C
<b>THD:</b>	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
<b>Power Factor:</b>	≥ 0.98/115VAC ≥ 0.95/230VAC ≥ 0.92/277VAC
<b>Short Circuit:</b>	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
<b>Frequency:</b>	47-63Hz
<b>Vibration:</b>	15.6Grms

#### Construction:

<b>Housing:</b>	Die-Cast 6061 Aluminum
<b>Finish:</b>	Gloss Grey
<b>Lens:</b>	Polycarbonate Lens

#### LED Light Engine / Driver

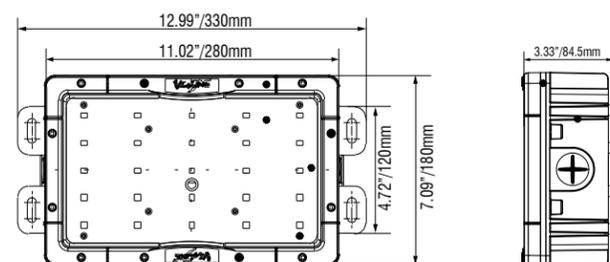
<b>LED:</b>	MHB-B(CREE)
<b>Amp Draw:</b>	0.43A @ 115VAC 0.22A @ 230VAC 0.18A @ 277VAC
<b>Lifespan:</b>	50,000 hr

### Built-In Battery Backup System Available



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

#### 2D DRAWING:



#### RATINGS:

<b>EMC Emission:</b>	Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3
<b>EMC Immunity:</b>	Compliance to EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A
<b>UL 1598A Marine:</b>	✓
<b>Ingress Protection:</b>	IP-68, IP69k



# CABIN LIGHTING

## Product Information

Project Name:  
Date:  
Type:

### 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:

<b>Fixture Weight:</b>	2 lbs (0.9kg)
<b>Shipping Weight:</b>	4 lbs (1.8kg)
<b>Mounting/ Entries: (See Accessories)</b>	(4) 3/4" NPT - SIDES

#### Electric Specifications:

<b>Operating Voltage:</b>	90 - 264VAC 127 - 370VDC
<b>Lumens:</b>	1000 lm
<b>Wattage:</b>	10W
<b>Operating Temp:</b>	-40°C - 60°C
<b>THD:</b>	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
<b>Power Factor:</b>	≥ 0.98/115VAC ≥ 0.95/230VAC ≥ 0.92/277VAC
<b>Short Circuit:</b>	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
<b>Frequency:</b>	47-63Hz
<b>Vibration:</b>	15.6Grms

#### Construction:

<b>Housing:</b>	Die-Cast 6061 Aluminum
<b>Finish:</b>	Gloss Grey
<b>Lens:</b>	Polycarbonate Lens

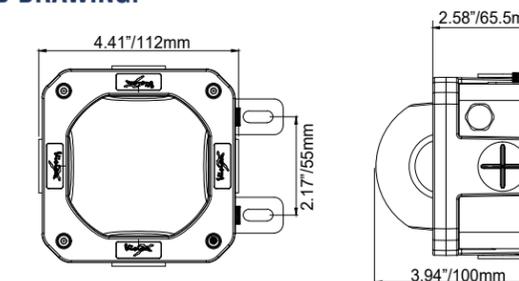
#### LED Light Engine / Driver

<b>LED:</b>	5630(LG)
<b>Amp Draw:</b>	0.09A @ 115VAC 0.04A @ 230VAC 0.04A @ 277VAC
<b>Lifespan:</b>	50,000 hr



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

#### 2D DRAWING:



#### RATINGS:

<b>EMC Emission:</b>	Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3
<b>EMC Immunity:</b>	Compliance to EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A
<b>UL 1598A Marine:</b>	✓
<b>Ingress Protection:</b>	IP-68, IP69k



# INTERIOR LIGHTING

## Product Information

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:

<b>Fixture Weight:</b>	11.6 lbs (5.2kg)
<b>Shipping Weight:</b>	13.65 lbs (6.2kg)
<b>Mounting/ Entries: (See Accessories)</b>	----

#### Electric Specifications:

<b>Operating Voltage:</b>	90 - 305VAC 127 - 300VDC
<b>Lumens:</b>	4000 - 13400 lm
<b>Wattage:</b>	100W
<b>Operating Temp:</b>	-40°C ~ 40°C
<b>THD:</b>	< 20% (@load≥70% / 100-277VAC)
<b>Power Factor:</b>	≥ 0.99/120VAC ≥ 0.96/220VAC
<b>Short Circuit:</b>	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
<b>Frequency:</b>	47-63Hz
<b>Vibration:</b>	8.7Grms

#### Construction:

<b>Housing:</b>	Die-Cast 6061 Aluminum
<b>Finish:</b>	Gloss Grey
<b>Lens:</b>	Polycarbonate Lens

#### LED Light Engine / Driver

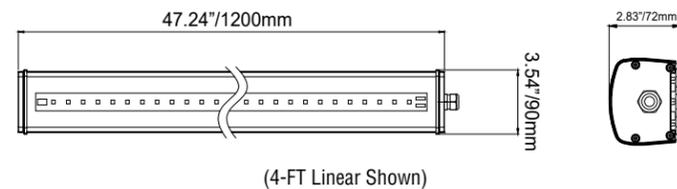
<b>LED:</b>	MHB-B(CREE)
<b>Amp Draw:</b>	1.0A @ 120VAC 0.55 @ 220VAC
<b>Lifespan:</b>	50,000 hr

**Battery Backup Available**  
Item#: LBG0242180F (4-Foot)  
Item#: LBG0221180F (2-Foot)



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

#### 2D DRAWING:



#### RATINGS:

<b>EMC Emission:</b>	Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3
<b>EMC Immunity:</b>	Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A
<b>Ingress Protection:</b>	IP-66, IP-67





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