



# RORO DECK LIGHTING

Maritime Applications

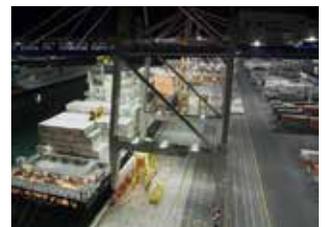


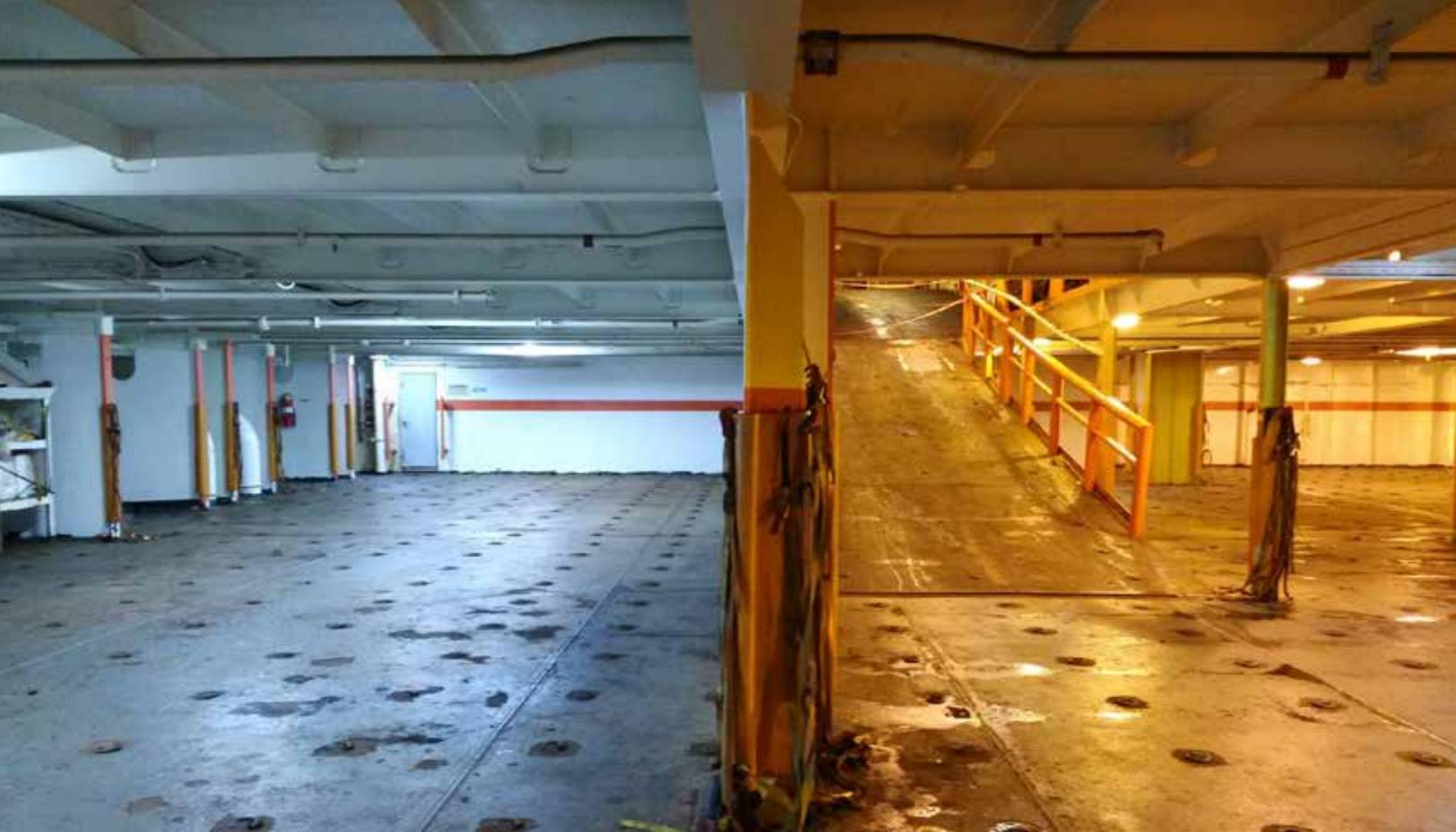
**LED** | LIGHTING CATALOG



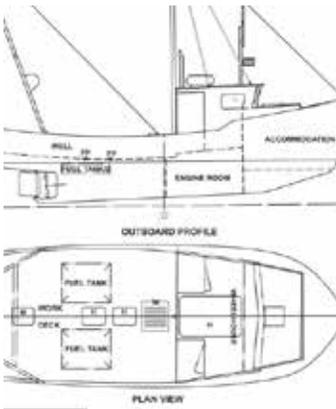
# ENGINEERED LIGHTING SOLUTIONS

**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.



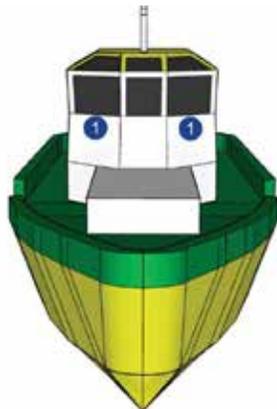


# SOLUTION PROCESS



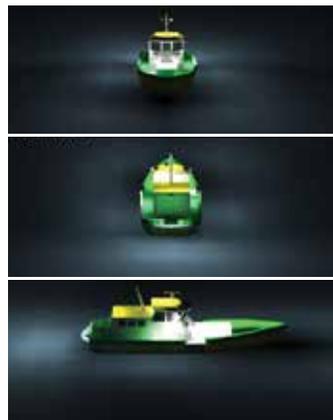
## 2D BLUEPRINT

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



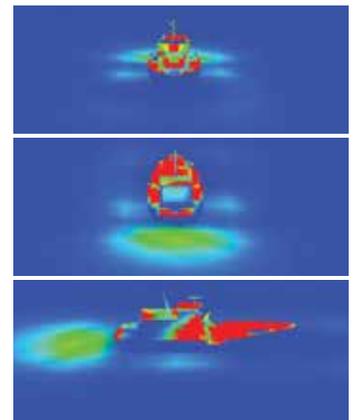
## 3D MODEL

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.

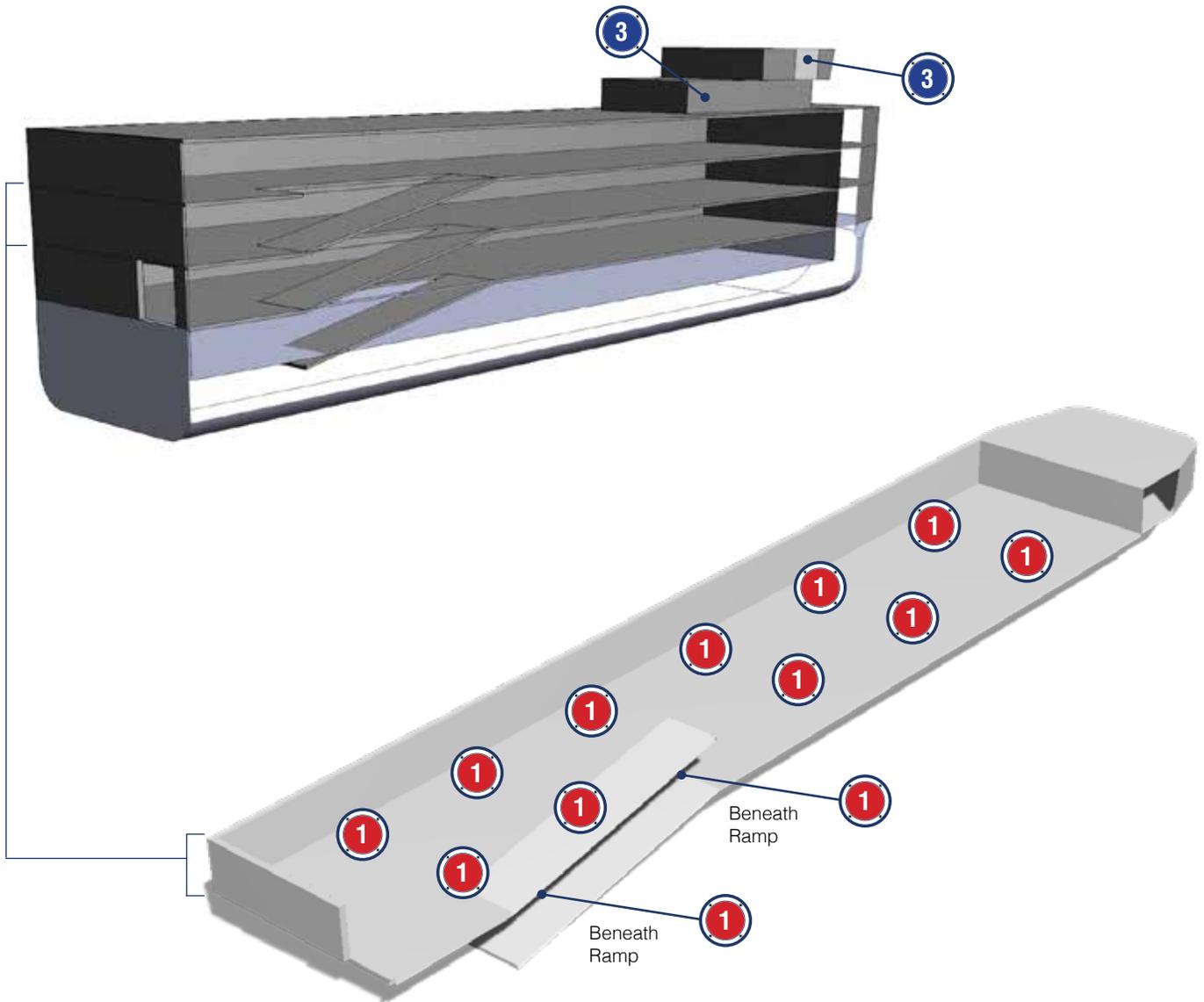


## SOLUTION

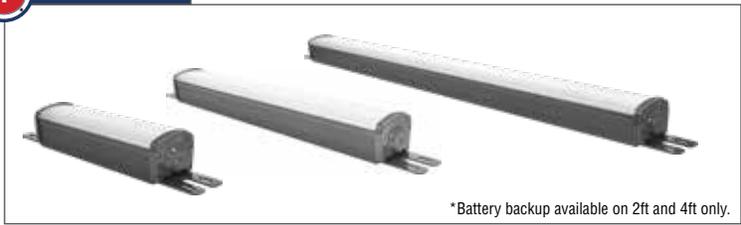
Vision X Lighting creates a complete breakdown of the customer's specific needs to meet their lighting and safety requirements.



# RORO DECK LIGHTING FITOUT GUIDE



## 1 LINEAR LIGHTS



### MOUNTED STAINLESS STEEL BRACKETS LINEAR-SERIES WORK LIGHT

Number of Fixtures : Application Specific

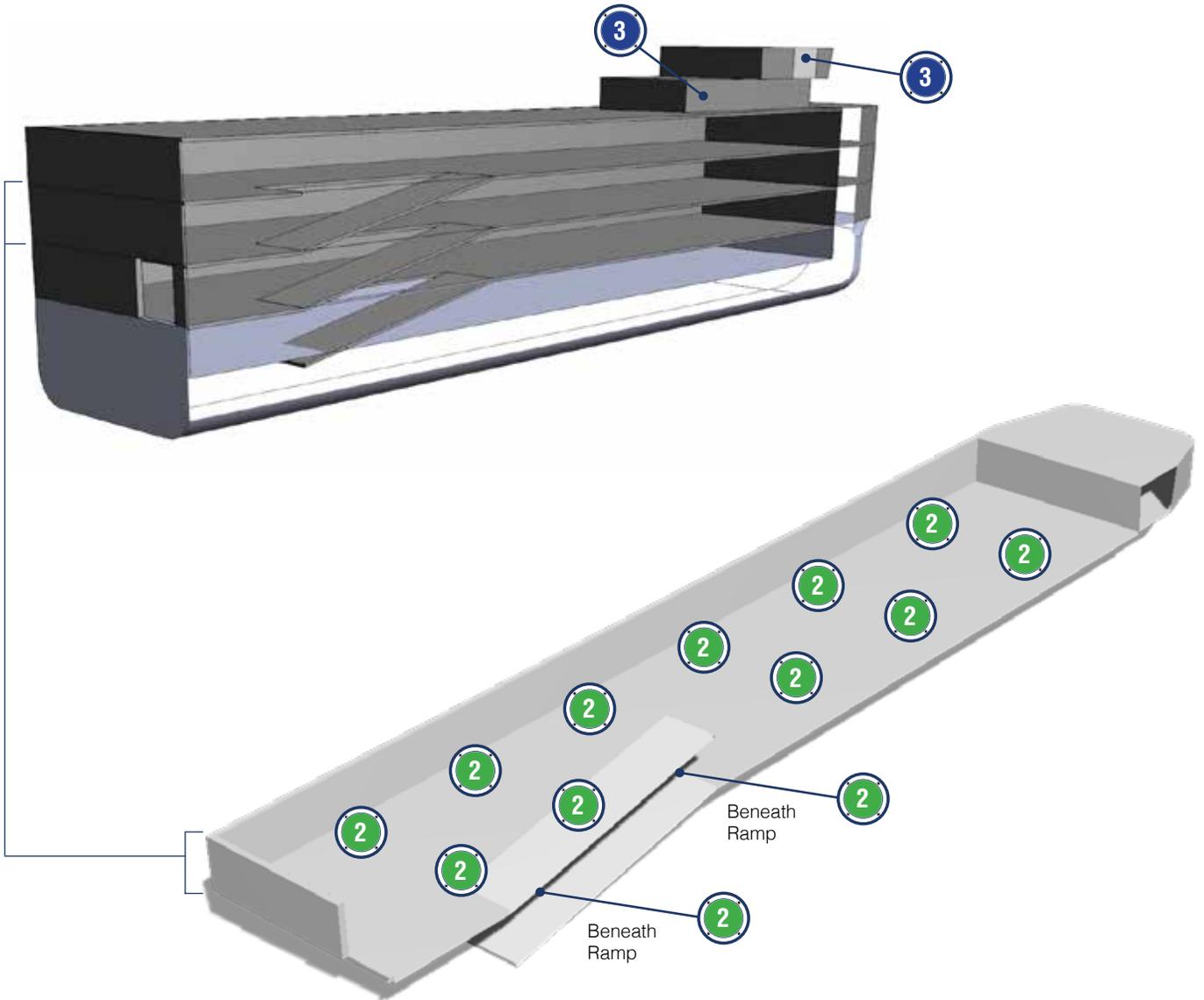
Location : **Ceiling**

Beam Pattern : **180°**

Part # : **LLG0212180FSRQC**

**LLG0221180FSRQC**

**LLG0242180FSRQC**



**2** JBOX 50W

**LOW BAY LIGHTING  
AC-SERIES WORK AREA LIGHT**

Number of Fixtures : **Application Specific**  
 Locations : **Exterior and Interior**  
 Beam Pattern : **180°**  
 Part # : **LSG0225180STR**



**3** JBOX 10W

**ENTRY WAY LIGHTING  
AC-SERIES WORK AREA LIGHT**

Number of Fixtures : **Application Specific**  
 Locations : **Walkway, Stairwells, Door Way**  
 Beam Pattern : **180°**  
 Part # : **LSGSM40180F**



# LINEAR LUMINAIRE

## 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 1-FOOT LINEAR

#### Mechanical Information:

<b>Fixture Weight:</b>	4.2 lbs (2kg)
<b>Shipping Weight:</b>	6.13 lbs (2.7kg)
<b>Mounting/ Entries: (See Accessories)</b>	----

#### Electric Specifications:

<b>Operating Voltage:</b>	90 - 305VAC 127 - 300VDC
<b>Lumens:</b>	4,000 lm
<b>Wattage:</b>	30W
<b>Operating Temp:</b>	-40°C ~ 40°C
<b>THD:</b>	< 20% (@load≥75% /100-277VAC)
<b>Power Factor:</b>	≥ 0.98/120VAC ≥ 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>	0.5A @ 120VAC 0.27A @ 220VAC
<b>Lifespan:</b>	50,000 hr



**Stainless Steel Brackets**  
Item#: LLG0212180FSRQC



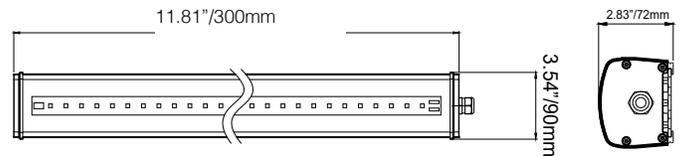
#### PART #:

**1** LLG0212180FSRQC

#### BEAM PATTERN

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>Ingress Protection:</b>	IP-66, IP-67





# LINEAR LUMINAIRE

## 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 2-FOOT LINEAR

#### Mechanical Information:

Fixture Weight:	6.8 lbs (3.08kg)
Shipping Weight:	8.13 lbs (3.7kg)
Mounting/ Entries: (See Accessories)	----

#### Electric Specifications:

Operating Voltage:	90 - 305VAC 127 - 300VDC
Lumens:	7,000 lm
Wattage:	60W
Operating Temp:	-40°C ~ 40°C
THD:	< 20% (@load≥75% /100-277VAC)
Power Factor:	≥ 0.98/120VAC ≥ 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

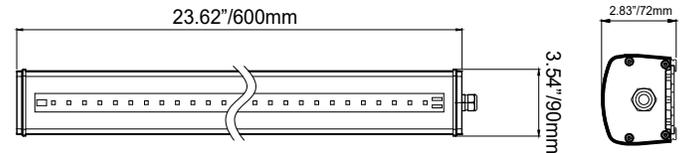
#### LED Light Engine / Driver

LED:	MHB-B(CREE)
Amp Draw:	0.5A @ 120VAC 0.27A @ 220VAC
Lifespan:	50,000 hr



PART #:	BEAM PATTERN
1 LLG0221180FSRQC	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
Ingress Protection:	IP-66, IP-67





# LINEAR LUMINAIRE

## 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-FOOT LINEAR

#### 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>	13,400 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



**Stainless Steel Brackets**  
Item#: LLG0242180FSRQC

**Built-In Battery Backup**  
Item#: LBG0242180F



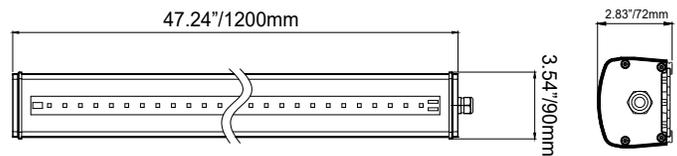
#### PART #:

**1 LLG0242180FSRQC**

#### BEAM PATTERN

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>Ingress Protection:</b>	IP-66, IP-67







# LOW BAY LIGHTING

## Product Information

Project Name:  
Date:  
Type:

### Application

Designed to outshine and outlast the competition, the Machine House 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:</b> (See Accessories)	(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



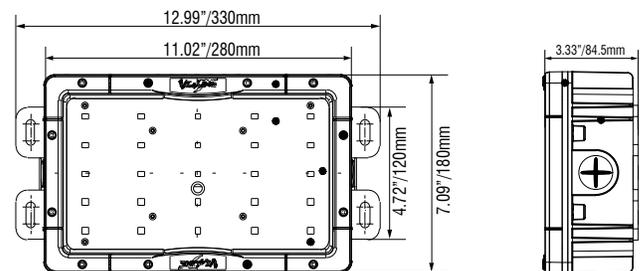
#### PART #:

**2** LSG0225180STR  
LBG0225180

#### BEAM PATTERN

180° Ultra Wide Flood  
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





# WALKWAY 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:</b> (See Accessories)	(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



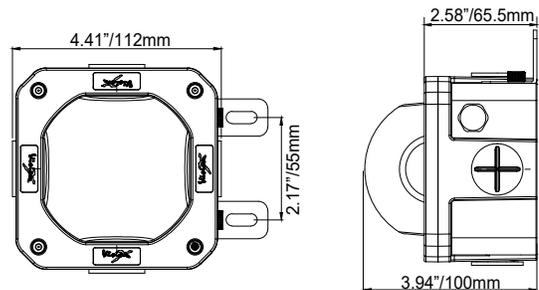
#### PART #:

**3 LSGSM40180F**

#### BEAM PATTERN

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



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