

A photograph of a Rubber Tyred Gantry (RTG) crane at a port. The crane is a large, red and white structure with a white container suspended from its beam. It is positioned over a stack of colorful shipping containers (red, blue, and green). The scene is illuminated by bright lights, likely from the crane's lighting system.

# RTG CRANE LIGHTING

Industrial Applications

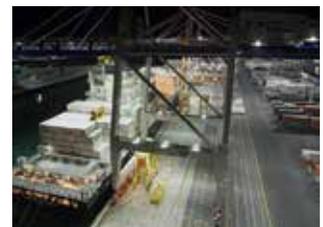
A close-up photograph of two industrial LED lighting fixtures. The fixtures are rectangular, silver-colored metal enclosures with a grid of numerous small, square LED chips on their front panels. One fixture is in the foreground, and another is slightly behind it.

**LED** | LIGHTING CATALOG



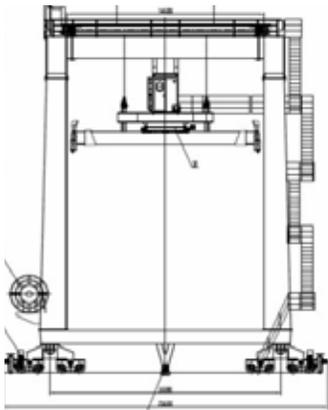
# ENGINEERED LIGHTING SOLUTIONS

**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 machines to be retrofitted, then gathers the technical information for those machines.



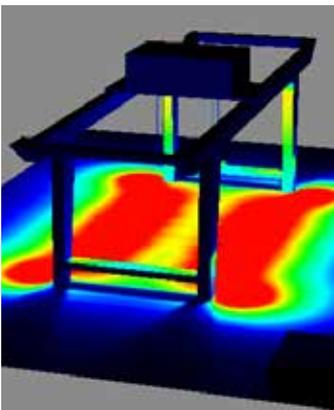
## 3D MODEL

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.

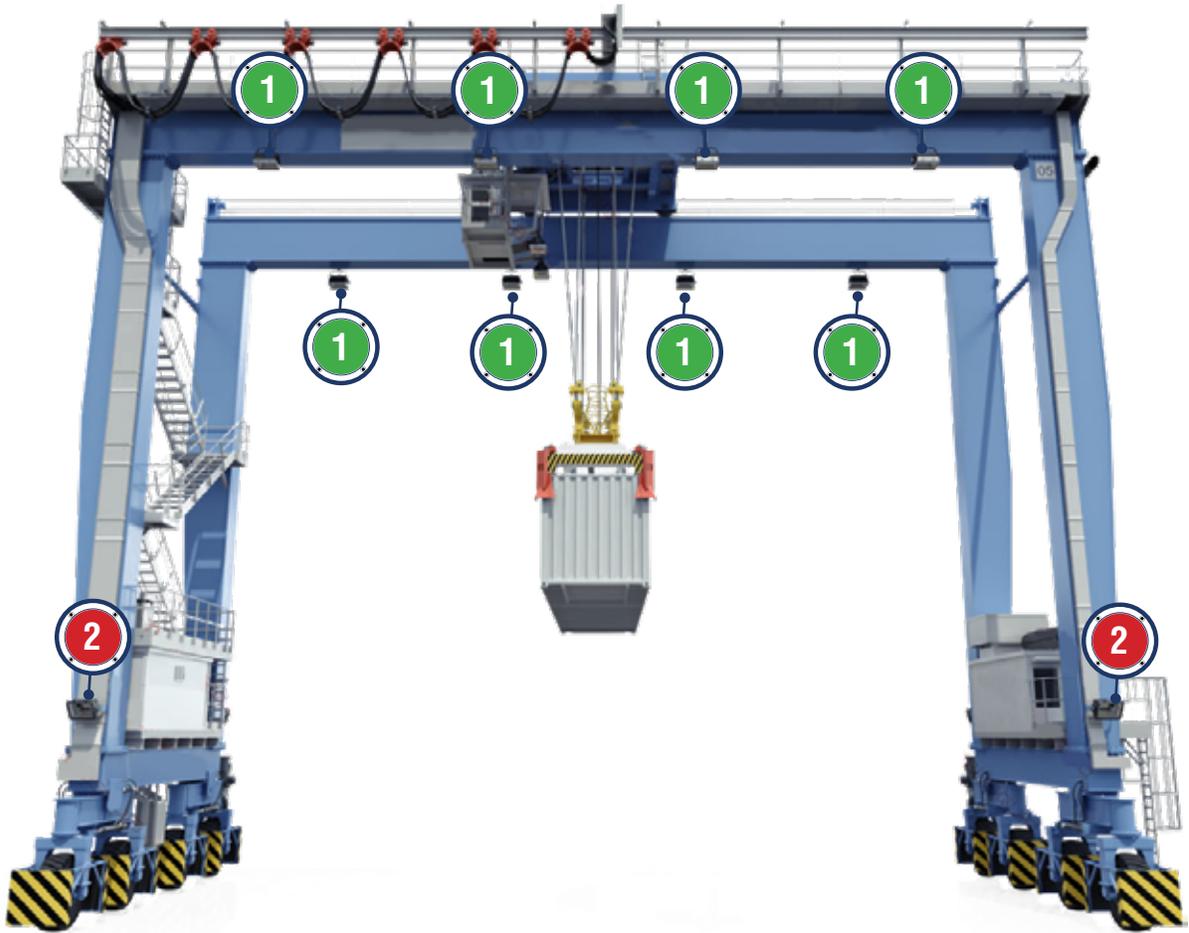


# RTG CRANE LIGHTING FITOUT GUIDE



## GIRDER LIGHTING AC-SERIES GANTRY LIGHT

Number of Fixtures : 2  
Mounting Locations : **Under Cabin, Outside Top Girders**  
Beam Pattern : **40°, 60°**  
Part # : **LSG0660xxGANHV**



2

AC 140W



WORK AREA LIGHTING  
**AC-SERIES GANTRY LIGHT**

Number of Fixtures : 4  
 Mounting Locations : **Outer Legs**  
 Beam Pattern : **60°, 90°**  
 Part # : **LSG0630xxGANHV**



# GIRDER LIGHTING

## Product Information

Project Name:  
Date:  
Type:

### Application

Designed to outshine and outlast the competition, the AC Girder 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 in extreme conditions. This is part of the effort by Vision X to ensure that the AC Girder Lighting fixture is the most dependable LED fixture in the workplace.

## SPECIFICATIONS

### 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

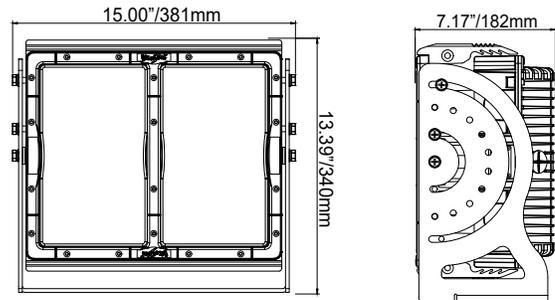


### PART #:

### BEAM PATTERN

<b>1</b> LSG066040GANHV	40° Medium
LSG066060GANHV	60° 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





# GIRDER LIGHTING

## Ordering Information

Project Name:  
Date:  
Type:

### ORDERING NUMBER LOGIC

Ordering Example: LUC-60-18K-280-SD-LV-GR-5K

**LUC**

Series

**60**

# of LED's

**36K**

Lumens

**280**

Watts

**SD**

Beam Pattern

**LV**

Voltage

**GR**

Housing Color

**5K**

Color Temp.

**---**

Accessories

#### SERIES

LUC Lucent Engineering

#### NUMBER OF LEDS

60 60 High Output LEDs

140 140 High Output LEDs

#### Lumens

36K 36,000 Lumens

42K 42,000 Lumens  
\*only avail. in UD beam\*

#### Watts

280 Total Fixture Watts

#### Beam Pattern

SD Spot 10°

ND Narrow 25°

MD Medium 40°

FD Flood 60°

WD Wide Flood 90°

UD Ultra Wide Flood 180°  
\*only avail. in 42K lumens\*

#### Voltage

LV Low Voltage 90-277vAC

HV High Voltage 480vAC

#### Housing Color

GR Grey Housing

#### Color Temperature

5K 5,000° Kelvin

#### ACCESSORIES

TR Trunnion Bracket

TRHD Trunnion Bracket Heavy Duty

STRHD Trunnion Bracket Heavy Duty Stainless Steel

CHM2 2" ID Cobra Head Slipfitter Mount

CHM2.5 2.5" ID Cobra Head Slipfitter Mount

CHM3 3" ID Cobra Head Slipfitter Mount

PM Pedant Mount Hook

SW34 3/4" Adjustable Swivel

S2 2" ID Universal Slipfitter Mount

S2.5 2.5" ID Universal Slipfitter Mount

S3 3" ID Universal Slipfitter Mount

OCY Occupancy Sensor

DTD Dusk to Dawn Sensor

YTL 277VAC Twist Lock Plug 6.6'/2M Whip Yellow

YSL 277VAC Twist Lock Plug 6.6'/2M Whip Black

BTL 120VAC Plug 6.6'/2M Whip Yellow

BSL 120VAC Plug 6.6'/2M Whip Black

PC2M 3P Female Quick Connect 2M

YBC1M Bulk Cable Yellow PVC Jacket 3x16 AWG Conductors

BBC1M Bulk Cable Black PVC Jacket 3x16 AWG Conductors





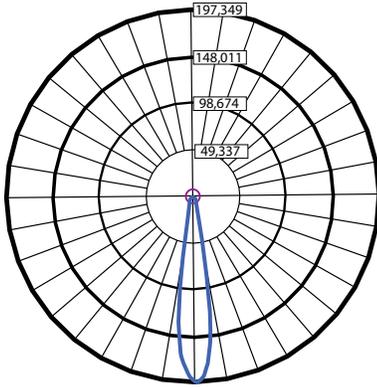
# GIRDER LIGHTING

## Photometric Data

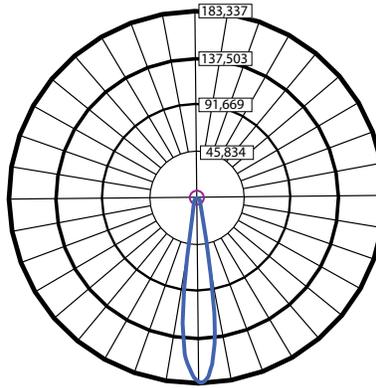
Project Name:  
Date:  
Type:

### PHOTOMETRIC DATA: Maximum Intensity (cd)

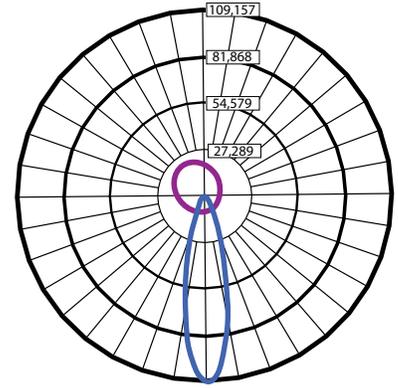
#### Spot 10°



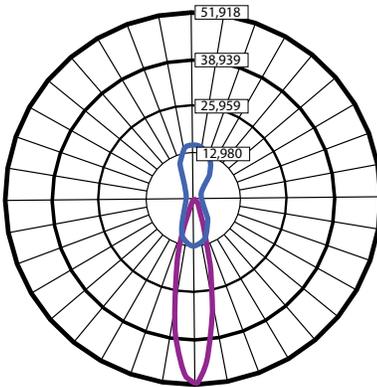
#### Narrow 25°



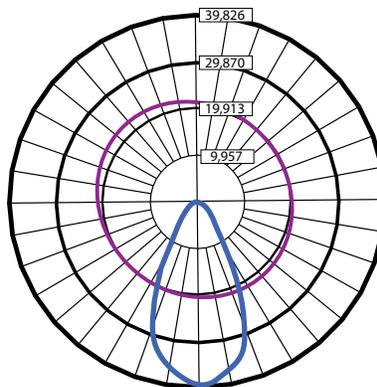
#### Medium 40°



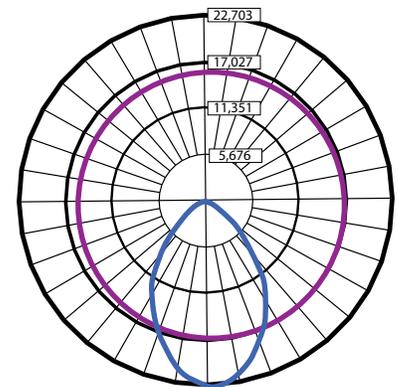
#### Elliptical 30/60°



#### Flood 60°



#### Wide Flood 90°

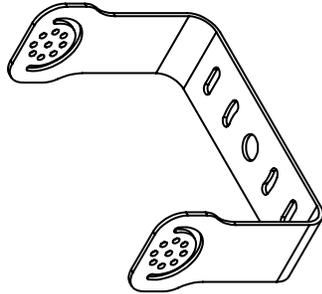




# GIRDER LIGHTING Accessories

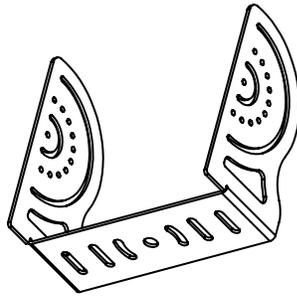
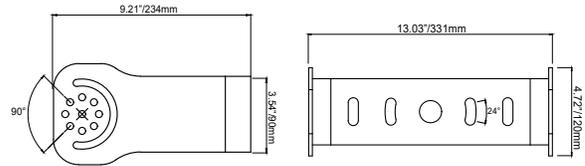
Project Name:  
Date:  
Type:

## TRUNNION BRACKETS:



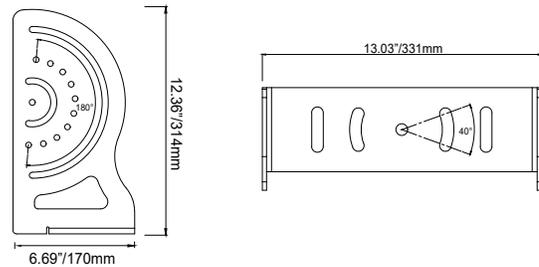
Part #: LAG60TR

### Dimensions:



Part #: LAG60TRHD

### Dimensions:



## ACCESSORY HARDWARE:



10' QUICK CONNECT  
WIRE  
Part# : LAYUBC1M



3/4" JUNCTION BOX  
QUICK CONNECT  
Part# : LASUQC34



110V AC PLUG  
Part# : LAYSL



240-277V AC TWIST  
LOCK PLUG  
Part# : LAYTL



PENDANT MOUNT HOOK  
Part# : LAGPM



DUSK/DAWN SENSOR  
Part# : LAGDTS



3/4" ADJUSTABLE  
SWIVEL  
Part# : LAGSW34



SLIP FITTING  
Part# :  
2" Diameter : LAGUS2  
2.5" Diameter : LAGUS2.5  
3" Diameter : LAGUS3



# WORK AREA LIGHTING

## Product Information

Project Name:  
Date:  
Type:

### Application

Designed to outshine and outlast the competition, the AC Work Area 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 Work Area fixture is the most dependable LED fixture in the workplace.

## SPECIFICATIONS

### 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

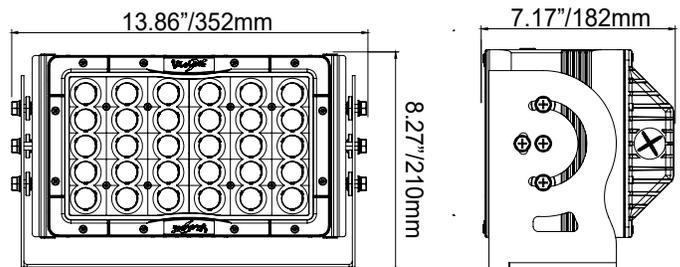
### LED Light Engine / Driver

<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 LSG063060GANHV	60° Flood
LSG063090GANHV	90° 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





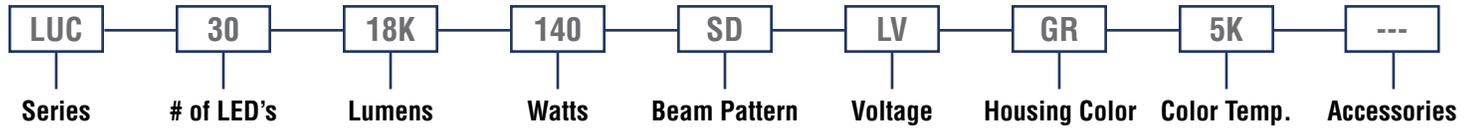
# WORK AREA LIGHTING

## Ordering Information / Photometric Report

Project Name:  
Date:  
Type:

### ORDERING NUMBER LOGIC

Ordering Example: LUC-30-18K-140-SD-LV-GR-5K



#### SERIES

LUC Lucent Engineering

#### NUMBER OF LEDS

30 30 High Output LEDs

70 70 High Output LEDs

#### Lumens

18K 18,000 Lumens

21K 21,000 Lumens  
\*only avail. in UD beam\*

#### Watts

140 Total Fixture Watts

#### Beam Pattern

SD Spot 10°

ND Narrow 25°

MD Medium 40°

FD Flood 60°

WD Wide Flood 90°

UD Ultra Wide Flood 180°  
\*only avail. in 21K Lumens\*

#### Voltage

LV Low Voltage 90-277vAC

HV High Voltage 480vAC

#### Housing Color

GR Grey Housing

#### Color Temperature

5K 5,000° Kelvin

#### ACCESSORIES

TR	Trunion Bracket
TRHD	Trunion Bracket Heavy Duty
STRHD	Trunion Bracket Heavy Duty Stainless Steel
CHM2	2" ID Cobra Head Slipfitter Mount
CHM2.5	2.5" ID Cobra Head Slipfitter Mount
CHM3	3" ID Cobra Head Slipfitter Mount
PM	Pendant Mount Hook
SW34	3/4" Adjustable Swivel
S2	2" ID Universal Slipfitter Mount
S2.5	2.5" ID Universal Slipfitter Mount
S3	3" ID Universal Slipfitter Mount
OCY	Occupancy Sensor
DTD	Dusk to Dawn Sensor
YTL	277VAC Twist Lock Plug 6.6'/2M Whip Yellow
YSL	277VAC Twist Lock Plug 6.6'/2M Whip Black
BTL	120VAC Plug 6.6'/2M Whip Yellow
BSL	120VAC Plug 6.6'/2M Whip Black
PC2M	3P Female Quick Connect 2M
YBC1M	Bulk Cable Yellow PVC Jacket 3x16 AWG Conductors
BBC1M	Bulk Cable Black PVC Jacket 3x16 AWG Conductors



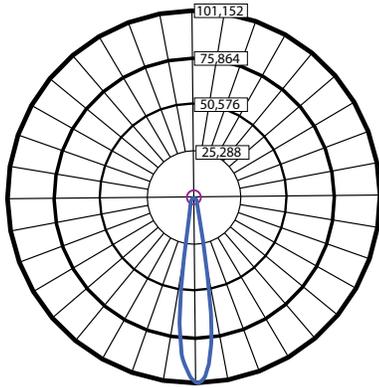
# WORK AREA LIGHTING

## Photometric Data

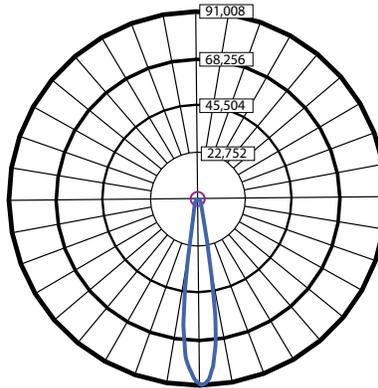
Project Name:  
Date:  
Type:

### PHOTOMETRIC DATA: Maximum Intensity (cd)

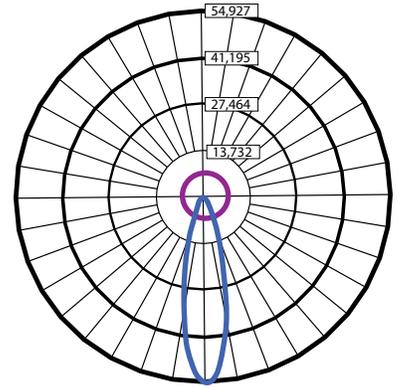
#### Spot 10°



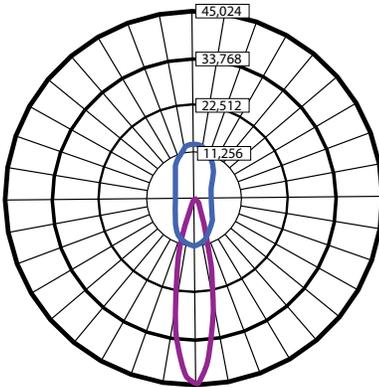
#### Narrow 25°



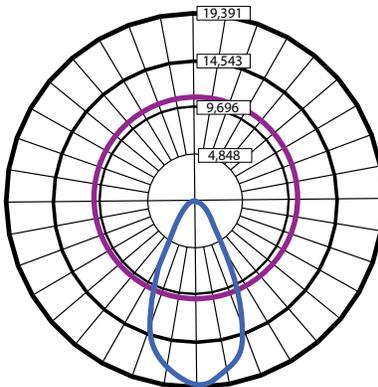
#### Medium 40°



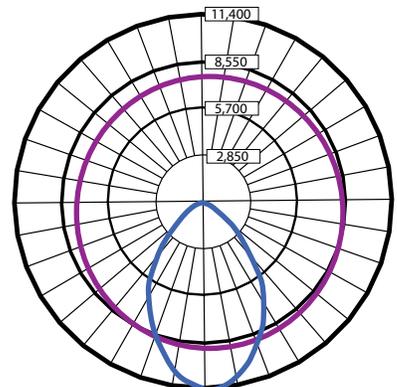
#### Elliptical 30/60°



#### Flood 60°



#### Wide Flood 90°

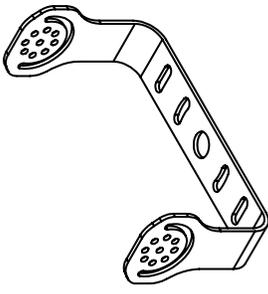




# WORK AREA LIGHTING Accessories

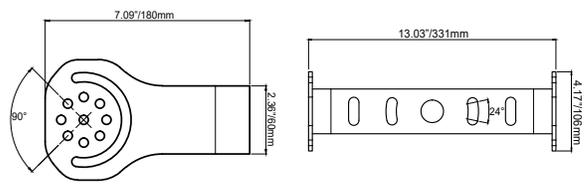
Project Name:  
Date:  
Type:

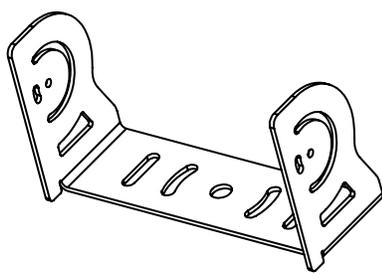
## TRUNNION BRACKETS:



**Part #:** LAG30TR

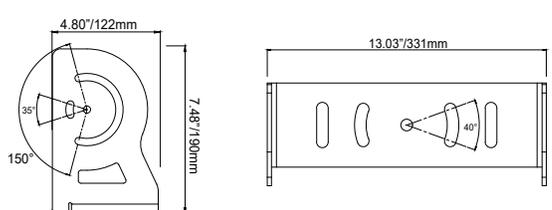
**Dimensions:**





**Part #:** LAG30TRHD

**Dimensions:**



## ACCESSORY HARDWARE:



**10' QUICK CONNECT WIRE**  
**Part# :** LAYUBC1M



**3/4" JUNCTION BOX QUICK CONNECT**  
**Part# :** LASUQC34



**110V AC PLUG**  
**Part# :** LAYSL



**240-277V AC TWIST LOCK PLUG**  
**Part# :** LAYTL



**PENDANT MOUNT HOOK**  
**Part# :** LAGPM



**DUSK/DAWN SENSOR**  
**Part# :** LAGDTS



**3/4" ADJUSTABLE SWIVEL**  
**Part# :** LAGSW34



**SLIP FITTING**  
**Part# :**  
**2" Diameter :** LAGUS2  
**2.5" Diameter :** LAGUS2.5  
**3" Diameter :** LAGUS3







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