



INDUSTRIAL FACILITY LIGHTING

Indoor and Outdoor Industrial Applications

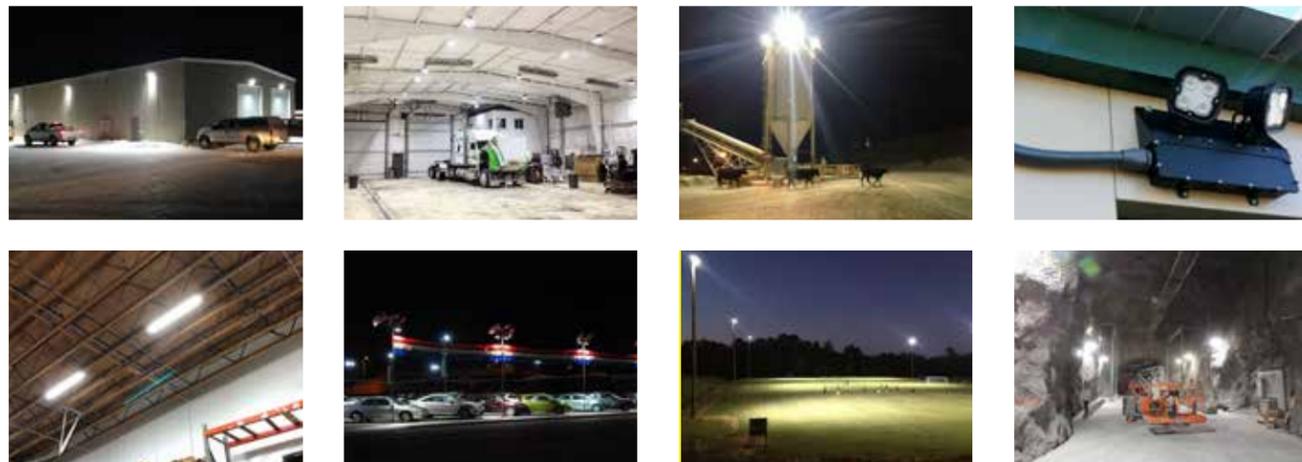


LED | LIGHTING CATALOG

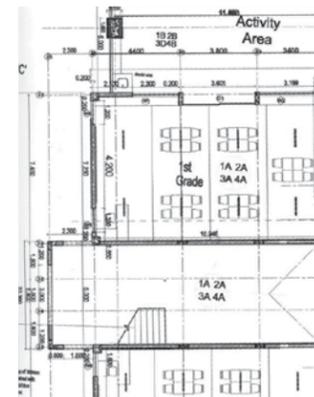


ENGINEERED LIGHTING SOLUTIONS

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.

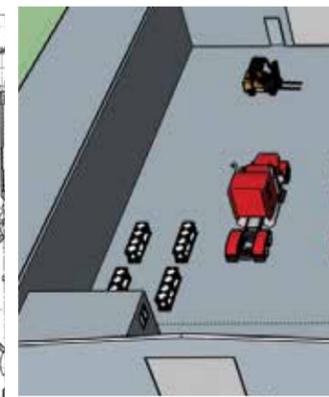


SOLUTION PROCESS



2D BLUEPRINT

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



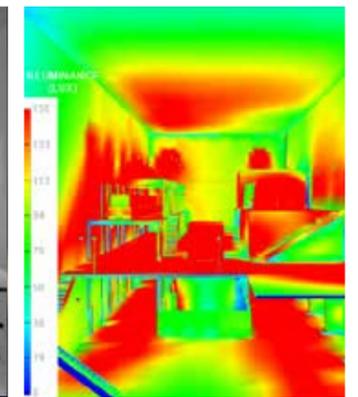
3D MODEL

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.



HIGH BAY LIGHTING

Product Information

Project Name:
Date:
Type:

Application

Designed to outshine and outlast the competition, the High Bay 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 High Bay fixture is the most dependable LED fixture in the workplace.

SPECIFICATIONS

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
Lumens:	18000 - 21000 lm
Wattage:	140W
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:

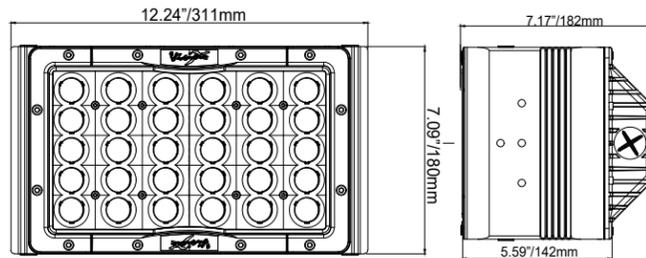
Housing:	Die-Cast 6061 Aluminum
Finish:	Gloss Grey
Lens:	Polycarbonate Lens

LED Light Engine / Driver

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



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)
UL 1598A Marine:	✓
Ingress Protection:	IP-68, IP69k



HIGH BAY LIGHTING

Ordering Information / Photometric Report

Project Name:
Date:
Type:

ORDERING NUMBER LOGIC

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

Series	# of LED's	Lumens	Watts	Beam Pattern	Voltage	Housing Color	Color Temp.	Accessories
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 <small>*only avail. in UD beam*</small>							
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° <small>*only avail. in 21K Lumens*</small>							
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



HIGH BAY LIGHTING Accessories

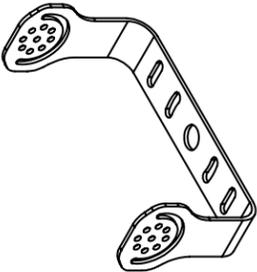
Project Name:
Date:
Type:



HIGH BAY LIGHTING Notes

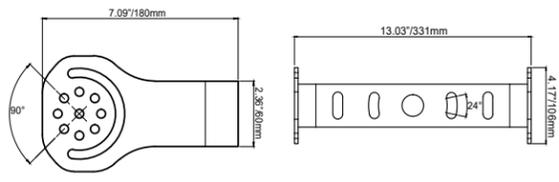
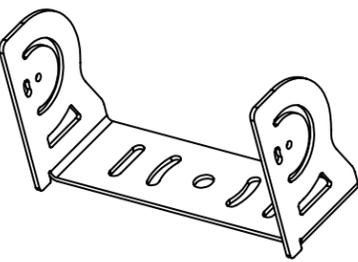
Project Name:
Date:
Type:

Trunnion Brackets:



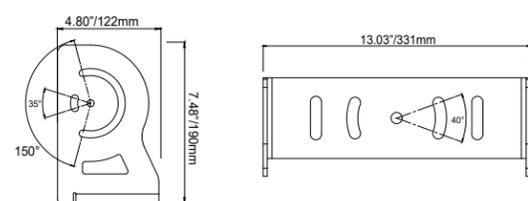
Part #: LUC-30-TR

Dimensions:

Part #: LUC-30-TR-HD

Dimensions:



Accessory Hardware:



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



110V AC PLUG
Part# : ****



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



PENDANT MOUNT HOOK
Part# : LUC-PM



DUSK/DAWN SENSOR
Part# : LUC-DTD

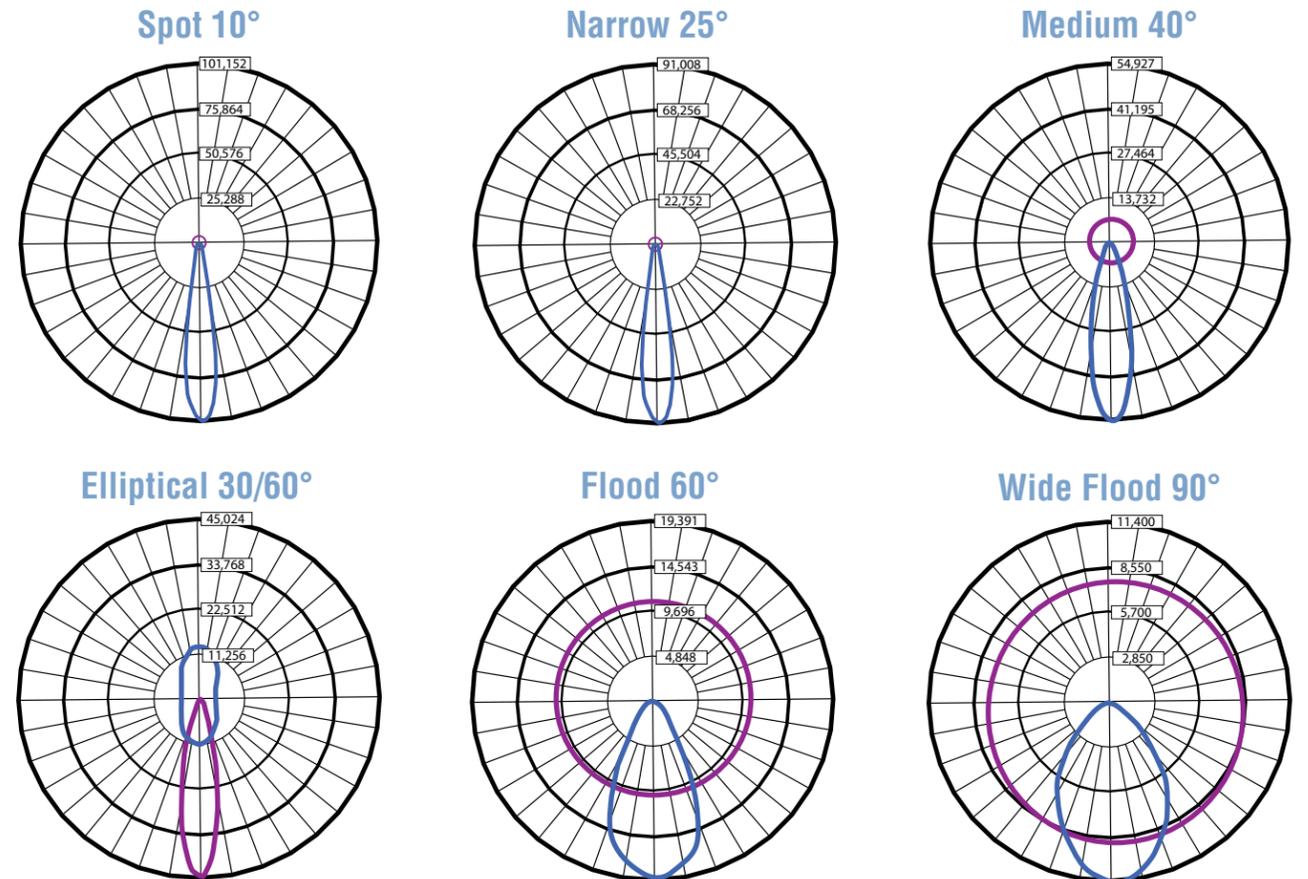


3/4" ADJUSTABLE SWIVEL
Part# : ****



SLIP FITTING
Part# :
2" Diameter : LUC-S2
2.5" Diameter : LUC-S2.5
3" Diameter : LUC-S2.5

PHOTOMETRIC DATA: Maximum Intensity (cd)



NOTES:



HIGH BAY LIGHTING

Product Information

Project Name:
Date:
Type:

Application

Designed to outshine and outlast the competition, the High Bay 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 High Bay fixture is the most dependable LED fixture in the workplace.

SPECIFICATIONS

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
Lumens:	36000 - 42000 lm
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:

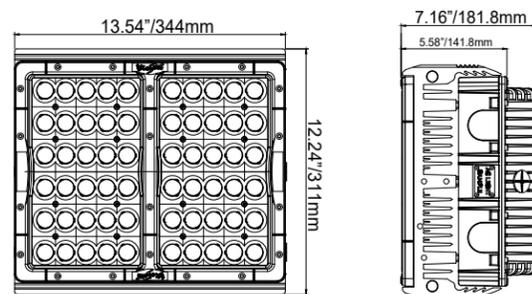
Housing:	Die-Cast 6061 Aluminum
Finish:	Gloss Grey
Lens:	Polycarbonate Lens

LED Light Engine / Driver

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



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)
UL 1598A Marine:	✓
Ingress Protection:	IP-68, IP69k



HIGH BAY LIGHTING

Ordering Information / Photometric Report

Project Name:
Date:
Type:

ORDERING NUMBER LOGIC

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

LUC	60	36K	280	SD	LV	GR	5K	---
Series	# of LED's	Lumens	Watts	Beam Pattern	Voltage	Housing Color	Color Temp.	Accessories
SERIES	LUC Lucent Engineering	Lumens	36K 36,000 Lumens 42K 42,000 Lumens <small>*only avail. in UD beam*</small>	Beam Pattern	SD Spot 10° ND Narrow 25° MD Medium 40° FD Flood 60° WD Wide Flood 90° UD Ultra Wide Flood 180° <small>*only avail. in 42K lumens*</small>	Housing Color	GR Grey Housing	
NUMBER OF LEDS	60 60 High Output LEDs 140 140 High Output LEDs	Watts	280 Total Fixture Watts	Voltage	LV Low Voltage 90-277vAC HV High Voltage 480vAC	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	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



HIGH BAY LIGHTING

Accessories

Industrial Applications | High Bay Light

Project Name:

Date:

Type:



HIGH BAY LIGHTING

Photometric Data

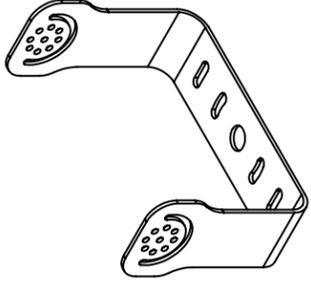
Industrial Applications | High Bay Light

Project Name:

Date:

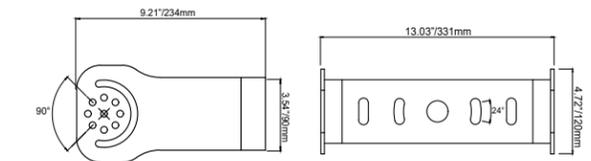
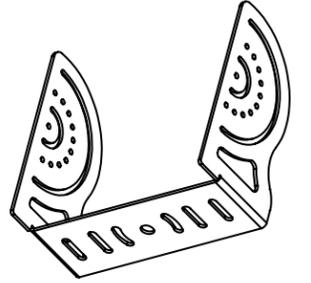
Type:

Trunnion Brackets:



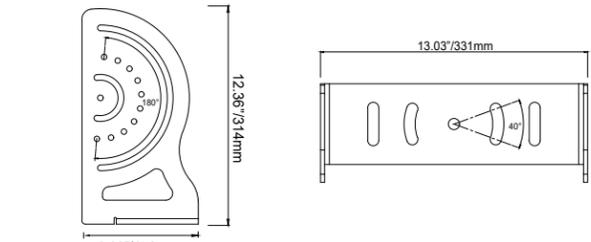
Part #: LUC-60-TR

Dimensions:

Part #: LUC-60-TR-HD

Dimensions:



Accessory Hardware:



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



110V AC PLUG
Part# : ****



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



PENDANT MOUNT HOOK
Part# : LUC-PM



DUSK/DAWN SENSOR
Part# : LUC-DTD



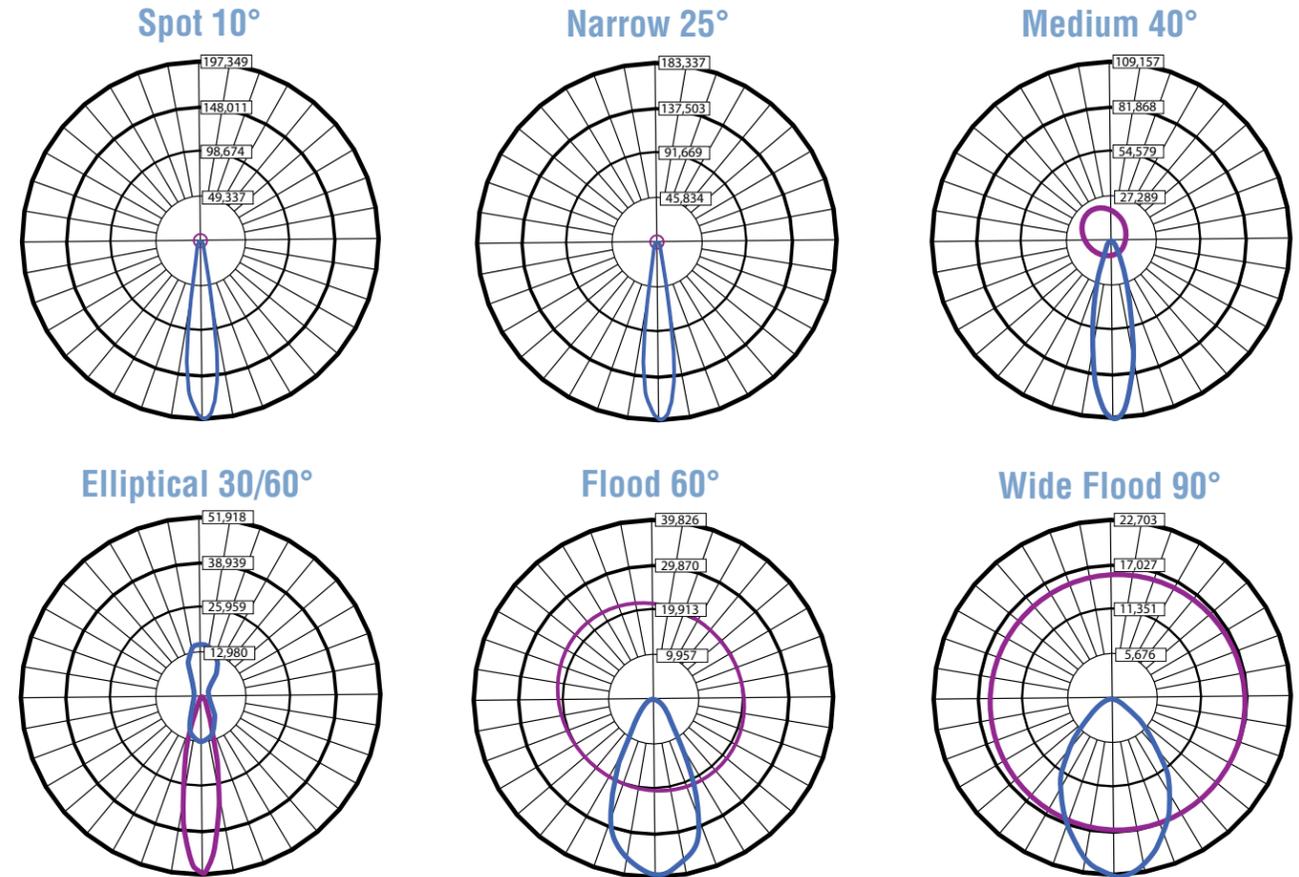
3/4" ADJUSTABLE SWIVEL
Part# : ****



SLIP FITTING
Part# :
2" Diameter : LUC-S2
2.5" Diameter : LUC-S2.5
3" Diameter : LUC-S2.5

PHOTOMETRIC DATA:

Maximum Intensity (cd)



NOTES:



JUNCTION BOX

Product Information

Project Name:
Date:
Type:

Application

Designed to outshine and outlast the competition, the Junction Box 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 Junction Box fixture is the most dependable LED fixture in the workplace.

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
Lumens:	6000-7000 lm
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:

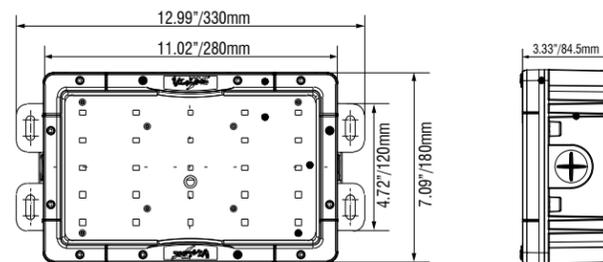
Housing:	Die-Cast 6061 Aluminum
Finish:	Gloss Grey
Lens:	Polycarbonate Lens

LED Light Engine / Driver

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



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:	✓
Ingress Protection:	IP-68, IP69k



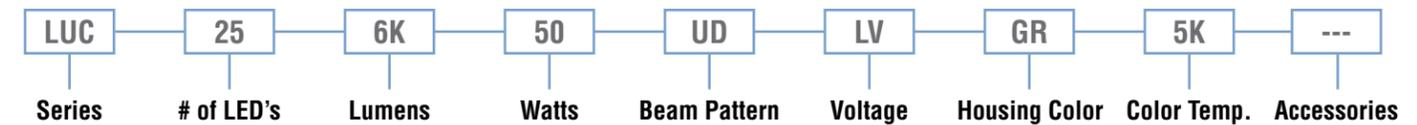
JUNCTION BOX

Ordering Information / Photometric Report

Project Name:
Date:
Type:

ORDERING NUMBER LOGIC

Ordering Example: LUC-25-6K-50-UD-LV-GR-5K



SERIES

LUC	Lucent Engineering
-----	--------------------

NUMBER OF LEDS

25	25 High Output LEDs
30	30 High Output LEDs

Lumens

6K	6,000 Lumens
7K	7,000 Lumens <small>*only avail. in UD beam*</small>

Watts

50	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° <small>*only avail. in 7K lumens*</small>

Voltage

LV	Low Voltage 90-277vAC
HV	High Voltage 480vAC

Housing Color

GR	Grey Housing
----	--------------

Color Temperature

5K	5,000° Kelvin
----	---------------

ACCESSORIES

PH1	Dual Bracket for P&H Shovel
WP	Wall Pack Mount
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
QC34	3P Male Quick Connect 2M
YBC1M	Bulk Cable Yellow PVC Jacket 3x16 AWG Conductors
BBC1M	Bulk Cable Black PVC Jacket 3x16 AWG Conductors



JUNCTION BOX Accessories

Project Name:
Date:
Type:

HARDWARE:



10' QUICK CONNECT WIRE
Part# : LAYUPC2M



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



110V AC PLUG
Part# : ****



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



PENDANT MOUNT HOOK
Part# : LUC-PM



DUSK/DAWN SENSOR
Part# : LUC-DTD



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



SLIP FITTING
Part# :
2" Diameter : LUC-S2
2.5" Diameter : LUC-S2.5
3" Diameter : LUC-S2.5



BULK PVC JACKETED CABLE
Part# : LAYUBC1M



BULK PVC JACKETED CABLE
Part# : LABUBC1M



WALL PACK MOUNT
Part# : LAGJ5WM



DUAL BRACKET
Part# : LSG0330180



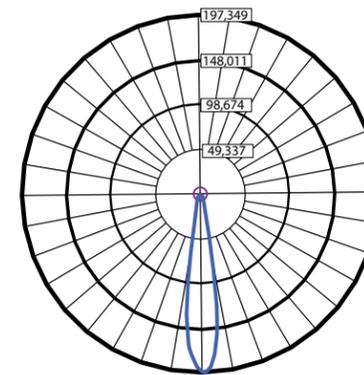
JUNCTION BOX Photometric Data

Project Name:
Date:
Type:

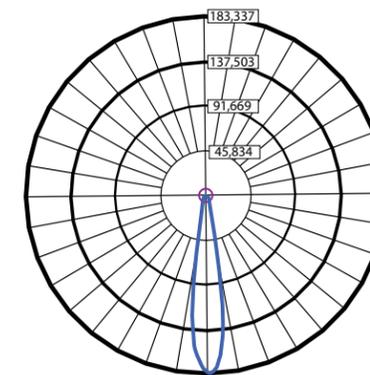
PHOTOMETRIC DATA:

Maximum Intensity (cd)

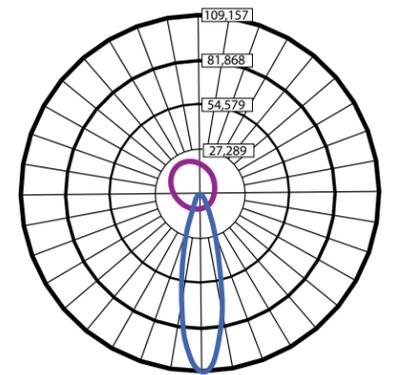
Spot 10°



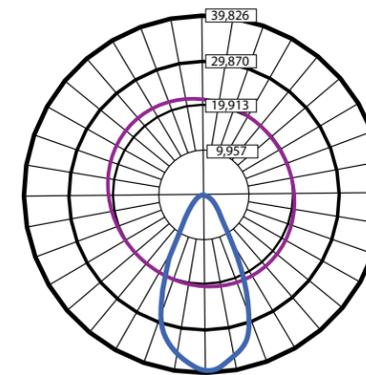
Narrow 25°



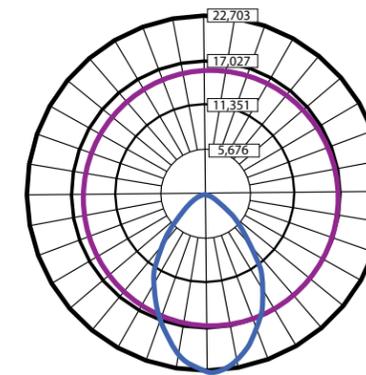
Medium 40°



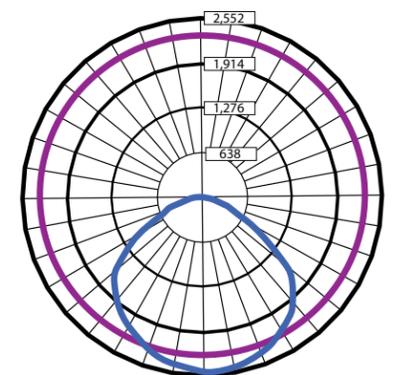
Flood 60°



Wide Flood 90°



Ultra Flood 180°



NOTES:



JUNCTION BOX

Product Information

Project Name:
Date:
Type:

Application

Designed to outshine and outlast the competition, the Junction Box 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 Junction Box fixture is the most dependable LED fixture in the workplace.

Mechanical Information:

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
Lumens:	1000 lm
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

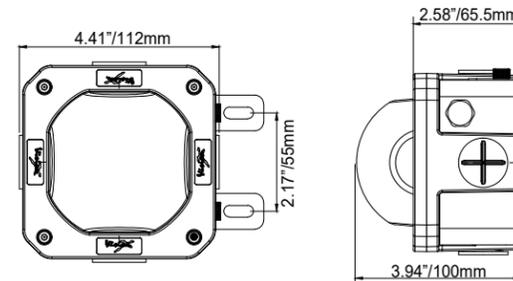


*Frosted Lens Shown
Part #: LSGSM40180F

*Clear Lens Shown
Part #: LSGSM40180



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:	✓
Ingress Protection:	IP-68, IP69k



JUNCTION BOX

Ordering Information / Photometric Report

Project Name:
Date:
Type:

ORDERING NUMBER LOGIC

Ordering Example: LUC-40-1K-10-UD-LV-GR-5K

LUC	40	1K	10	UD	LV	GR	5K	---
Series	# of LED's	Lumens	Watts	Beam Pattern	Voltage	Housing Color	Color Temp.	Accessories
SERIES	Lumens			Beam Pattern		Housing Color		
LUC Lucent Engineering	1K 1,000 Lumens			UD Ultra Wide Flood 180° *Clear Lens		GR Grey Housing		
NUMBER OF LED'S	Watts			Voltage		Color Temperature		
40 40 High Output LED's	10 Total Fixture Watts			LV Low Voltage 90-277vAC		5k 5,000° Kelvin		

ACCESSORIES

PCVA	Amber Cover
PCVB	Blue Cover
PCVG	Green Cover
PCVR	Red Cover
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



HAZARDOUS AREA LIGHTING

Product Information

Project Name:
Date:
Type:

Application

Zone 1 – Gases, Mists, Vapors. Occasional, Present
Zone 2 – Gases, Mists, Vapors. Only present for a short period
EX d – Prevents transmission of the explosion outside
II B – For Complete list of explosion group examples see ATEX 94/9/EC

SPECIFICATIONS ATEX C E 0575 EX II 2G Ex d II B T5 Gb

Mechanical Information:

Fixture Weight:	21 lbs (9.5kg)
Shipping Weight:	23 lbs (10.4kg)
Mounting/ Entries: (See Accessories)	(1) 3/4" NPT - TOP

Electric Specifications:

Operating Voltage:	90 - 305V AC 127 - 431V DC
Lumens:	3500 lm
Wattage:	40W
Operating Temp:	-40°C - 60°C
THD:	<20% (@load≥50% / 115VAC,230VAC) (@load≥75% / 277VAC)
Power Factor:	≥ 0.98/115V AC ≥ 0.95/230V AC ≥ 0.92/277V AC
Short Circuit:	Constant Current Limiting, Recovers Automatically After Fault Condition is Removed
Frequency:	47-63Hz
Vibration:	15.6Grms

Construction:

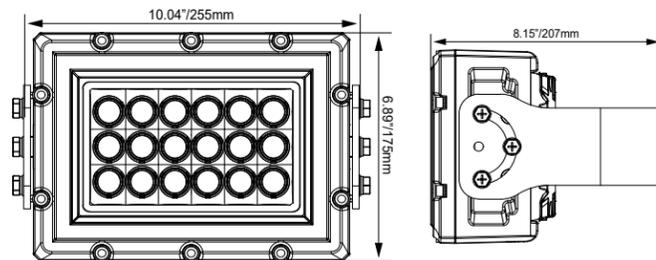
Housing:	Die-Cast 6061 Aluminum
Finish:	Black
Lens:	Soda-Lime Glass Lens

LED Light Engine / Driver

LED:	XP-E(CREE)
Amp Draw:	0.35A @ 115VAC 0.17A @ 230VAC 0.14A @ 277VAC
Lifespan:	50,000 hr



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



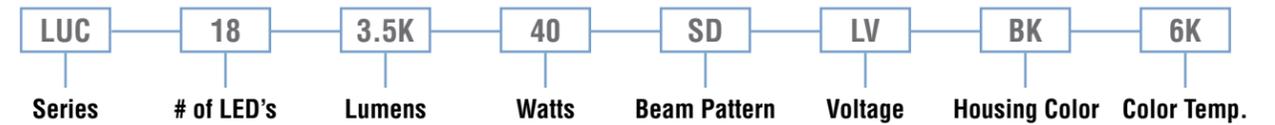
HAZARDOUS AREA LIGHTING

Ordering Information / Photometric Report

Project Name:
Date:
Type:

ORDERING NUMBER LOGIC

Ordering Example: LUC-18-3.5K-40-SD-LV-BK-6K



SERIES	
LUC	Lucent Engineering

NUMBER OF LEDS	
18	18 High Output LED's

Lumens	
3.5K	3,500 Lumens

Watts	
40	Total Fixture Watts

Beam Pattern	
SD	Spot 10°
ND	Narrow 25°
FD	Flood 60°

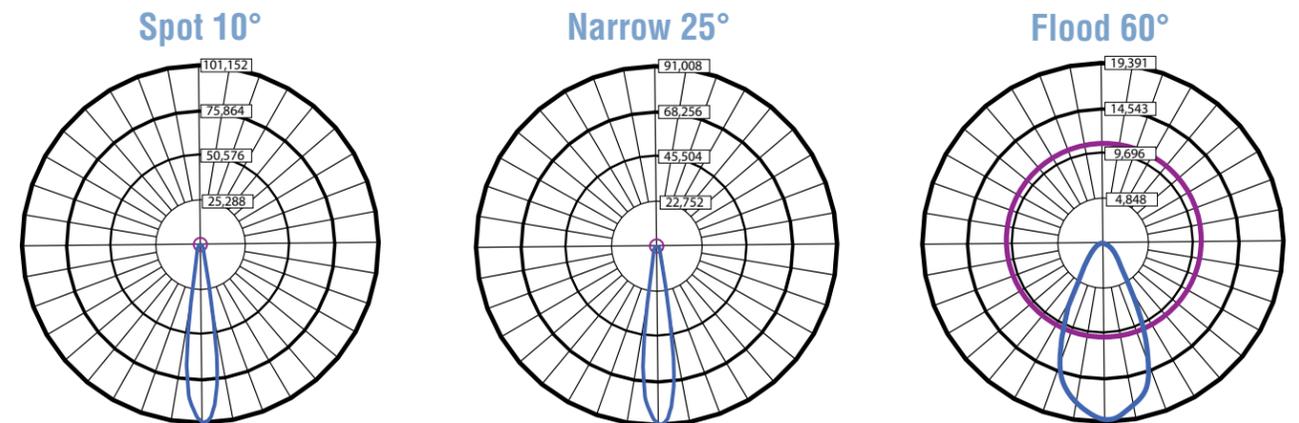
Voltage	
LV	Low Voltage 90-277vAC
HV	High Voltage 480vAC

Housing Color	
BK	Black Housing

Color Temperature	
6k	6,000° Kelvin

PHOTOMETRIC DATA:

Maximum Intensity (cd)





VISION X USA

1601 Boundary Blvd
Auburn WA 98001
United States of America
P: 253-218-2900
www.vxstructural.com



VISION X ASIA

23-7 Dongtansandan
9-gil Dongtan-myeon Hwaseong-si
Gyeonggi-do 18487, Korea
P: 82-32-515-4814
www.visionxlighting.com