Industrial Facility Lighting & Warning Devices
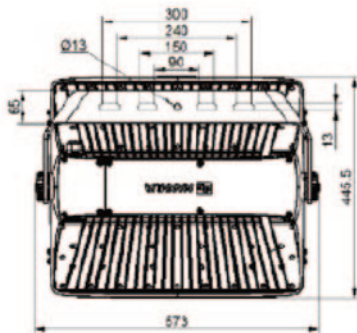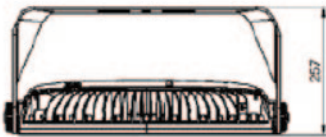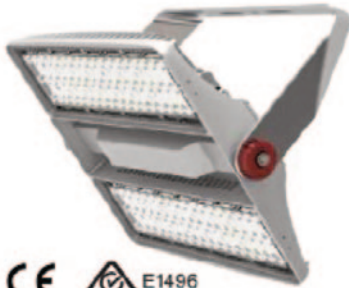
www.MatrixTeam.com

Facility Lighting & Warning
LED Flood Lights

LF46

CE E1496

LED Flood Light

The LF46 is a high-power LED flood light aims to provide more reliable and stable lighting. It is suitable for outdoor lighting in port equipment, girder lighting, maintenance area lighting and other harsh environments.

Features
- Multiple optical light distribution is optional, meeting different lighting requirements in different regions
- Configuration has anti-falling chain and damping pad
- Integrated die cast body, superb mechanical strength achieves 5G vibration resistant capacity.
- Professional n type heat dissipation design, guarantee LEDs life span
- 2 degree tilt angle structure design, prevent water and dust accumulation

Application: Airports, other port terminals, industrial, cranes, stadiums, high masts

Technical Specifications

Light Efficacy/Lumens	140 Lu/W (cool white)
	130 Lu/W (warm white)
Color Temperature	5500K-6000K (cool white), 2700K-3000K (warm white)
Voltage	100 - 240V AC (50Hz - 60Hz)
Wattage	300 - 400W
Beam Angle	25°, 60°
Operating Temperature	-30 C to +60 C (cover heat protection)
Vibration	5G
IP Rating	IP67
Salt Spray	ISO9227 720H
Housing	Aluminum alloy
Lens	Tempered glass
Weight	35.27 lbs (16kg)
Dimensions (D, W, H)	10.11x22.55x17.53" (257x573x445.5mm)

CE **CE Certified**

Part No.	Beam Angle	Lumens	Voltage	Watts
LF46	25°, 60°	140 Lu (cool white), 130 Lu (warm white)	200 - 240V AC	300 - 400W

Facility Lighting & Warning
LED Area Lights

LW47
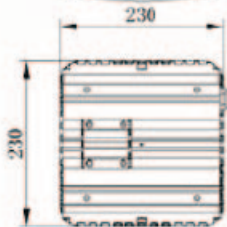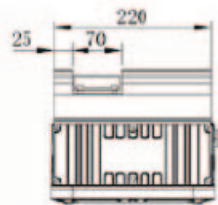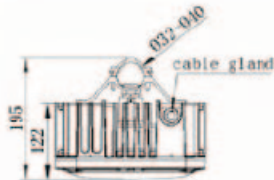
Conveyor / Walkway Pole Mounted LED Light

The LW47 is an LED light fixture designed to provide the most energy efficient way of illuminating industrial conveyors and walkways. When positioned within a 5m width of the conveyor or walkway, and spaced approximately 12m apart with an installation height of 3m, these fixtures are capable of delivering the required minimum of 45 lux .
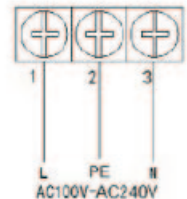
Features
- Ideal for conveyor systems and walkways
- LED light source fitted with reflector design, uniform luminance, no glare, low power consumption, and long LED lifespan
- Aluminum enclosure provides excellent heat dissipation
- Sealed to IP65. Waterproof and vibration resistant

Application: Industrial areas, conveyor systems, walkways, suitable for wet locations, indoor and outdoor

LW47 Connection Diagram

Technical Specifications

Operating Voltage	100-240V AC, 50~60Hz
Power Consumption	LW47: 75W
Color Temperature	5500-6000K, 2700-3000K option
Light Efficiency	>100 Lu/W (5.5-6K), >85 Lu/W (2.7-3K option)
Operating Temp	-40°C to +50°CIP
Rating	IP66
Mounting	Reserved 32-40mm diameter spigot mounting
Material	Polycarbonate lens, aluminum housing
Weight	LW47: 16.5 lbs (7.5kg)
Dimensions (D, W, H)	7.7 x 9.1 x 9.1" (195 x 230 x 230mm)

Part No.	Color Temp	eLumens	Voltage	Weight	Watts
LW47	5500-6000K	7,900 Lu	100-240V AC	16.5 lbs (7.5kg)	75W

Isolux Map (illuminance Lux)

LW47 mounted 12m apart with no tilt

LW47 mounted 12m apart with 24° tilt

Illuminance (Lu)

Phone: 812.490.1525 • Fax: 812.490.1582 • 3299 Tower Drive • Newburgh, Indiana 47630 • email: sales@matrixteam.com • **www.matrixteam.com**
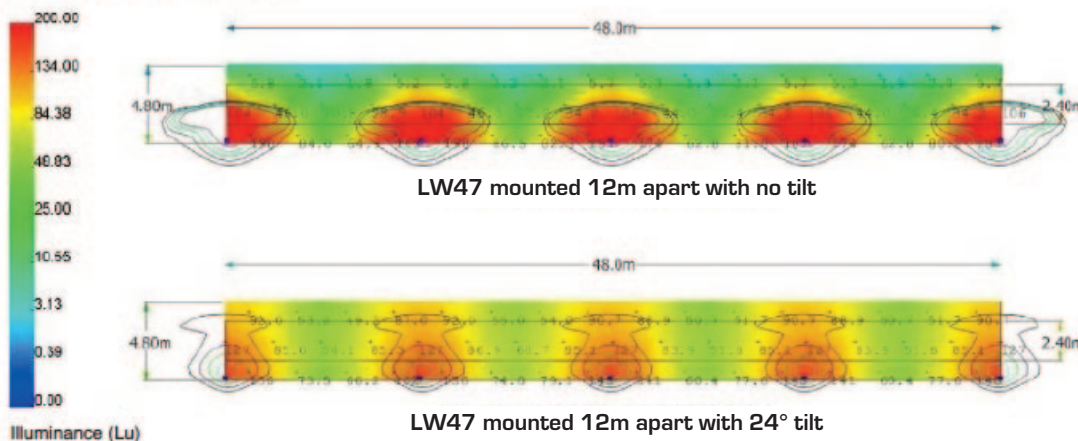
Facility Lighting & Warning
LED Area Lights

LUC30 Series

140W LED Area Light

The High Bay LUC Series AC 140W industrial area light by Vision X 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.

Application: Port terminals, industrial, cranes, stadiums, stations

Technical Specifications

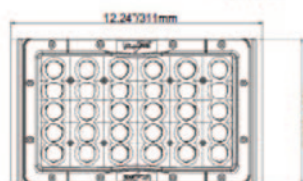|	
Type	30 x XP-LHD (CREE) LEDs
Lumens	18,000 Lu
Beam Patterns	Spot 10° (SD), Narrow 25° (ND), Medium 40° (MD), Flood 60° (FD), Wide Flood 90° (WD)
Color Temperature	5000K
Voltage	90-305V AC (LV - Low Voltage), 480V AC (HV - High Voltage)
Wattage	140W
Current Draw	1.22A @ 115V AC, 0.61A @ 230V AC, 0.51A @ 277V AC
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity**: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Die-Cast 6061 Aluminum, Grey in color
Lens	Polycarbonate Lens
Weight	32 lbs (14.5kg) including TR Bracket
Dimensions (D, W, H)	7.17x12.24x7.09" (182x311x180mm)

Part No.	Beam Angle	eLumens	Voltage	Watts	Bracket
LUC30-TR	10°, 25°, 40°, 60°, 90°	18,000 Lu	90-305V AC (Standard), 480V (HV)	140W	Trunnion Bracket

Bracket Option

Standard Trunnion Bracket
LUC30-TR

Pole Mount Bracket

LUC60 Series

280W LED Area Light

The 280W industrial area light by Vision X 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.

Application: Port terminals, industrial, cranes, stadiums

Technical Specifications

Type	60 x XP-LHD (CREE) LEDs
Lumens	36,000 Lu
Beam Patterns	Spot 10° (SD), Narrow 25° (ND), Medium 40° (MD), Flood 60° (FD), Wide Flood 90° (WD)
Color Temperature	5000K
Voltage	90-305V AC (LV - Low Voltage), 480V AC (HV - High Voltage)
Wattage	280W
Current Draw	2.43A @ 115V AC, 1.22A @ 230V AC, 1.01A @ 277V AC
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity**: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Die-Cast 6061 Aluminum, Grey in color
Lens	Polycarbonate Lens
Weight	56 lbs (25.4kg) including TR Bracket
Dimensions (D, W, H)	7.17x13.54x12.24" (182x344x311mm)

13.54"/344mm
12.24"/311mm
7.16"/181.8mm
5.58"/141.8mm

CE E1496 c UL us LISTED

Part No.	Beam Angle	eLumens	Voltage	Watts	Bracket
LUC60-TR	10°, 25°, 40°, 60°, 90°	36,000 Lu	90-305V AC (Standard) 480V (HV)	280W	Trunnion Bracket

Bracket Option
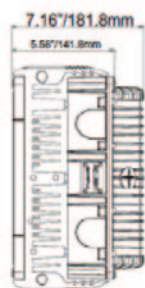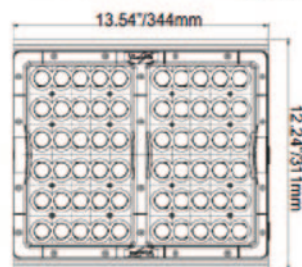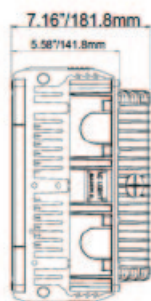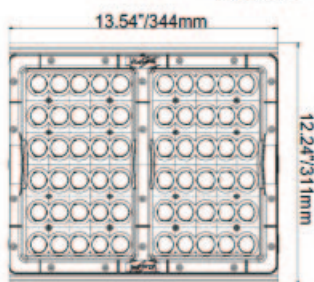
Standard Trunnion Bracket
LUC60-TR

Pole Mount Bracket

Facility Lighting & Warning
LED Area Lights

280W LED Area Light

The 280W industrial area light by Vision X 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.

Application: Port terminals, industrial, cranes, stadiums

Technical Specifications

Type	60 x XP-LHD (CREE) LEDsA623MF-24V Medium Flood
Lumens	36,000 Lu
Beam Patterns	Spot 10° (SD), Narrow 25° (ND), Medium 40° (MD), Flood 60° (FD), Wide Flood 90° (WD)
Color Temperature	5000K
Voltage	90-277V AC (LV - Low Voltage), 480V AC (HV - High Voltage)
Wattage	280W
Current Draw	2.43A @ 115V AC, 1.22A @ 230V AC, 1.01A @ 277V AC
Operating Temperature	-40°C - 40°C
Vibration	15.6Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission:** EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity:** EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Die-Cast 6061 Aluminum, Grey in color
Lens	Polycarbonate Lens
Weight	60 lbs (27.5kg) Including TRHD Bracket
Dimensions (D, W, H)	7.17 x 13.54 x 12.24" (182 x 344 x 311mm)

Part No.	Beam Angle	eLumens	Voltage	Watts	Bracket
LUC60-TR	10°, 25°, 40°, 60°, 90°	36,000 Lu	90-277V AC (Standard) 480V (HV)	280W	Trunnion Bracket

13.54"/344mm

12.24"/311mm

7.16"/181.8mm

5.58"/141.8mm

Bracket Option

Standard Trunnion Bracket
LUC60-TR

280W LED Area Light

Vision X is able to provide professional solutions due to the effectiveness of CUBE LED Technology. CUBE LEDs differ from standard diodes primarily in size and output pet watt. A CUBE LED has a larger surface area, allowing more light to be emitted per individual watt. Additionally, having a larger surface gives the LED a much wider beam pattern, allowing more lux to illuminate a more wide-spread area. Currently, Vision X CUBE LEDs output an impressive 117 lumens per watt, making them the ideal LED for structural applications.

High Temp Glass

The optional Soda-Lime Glass lens helps protect the LEDs as well as internal components from extreme heat.
Vision X recommends Soda-Lime Glass for applications that require intense heat.

Features
- 180° Smooth Beam
- Available with High Temp Glass lens option (HTG)
- Integrated ETM (Electronic Thermal Management)
- Dimensions: 11.8 x 7.7 x 5" (298.5 x 195.5 x 127.5mm) CPM160PE / 14 .3 x 11.7x7" (363x297 x 179mm) CPM320PE
- Weight: 16 lbs (7.3kg) CPM160PE / 27 lbs (12.0kg) CPM320PE

Part No.	Type	Lens	eLumens	Voltage	Watts	Amps	IP Rating	Warranty
CPM160PE	Cube Pitmaster 160 LED	Polycarbonate	18,720 Lu	110V-277V AC	160W	6.25@24V	IP68	5 Years
CPM160HTGPE	Cube Pitmaster 160 LED	High-Temp Glass	18,720 Lu	110V-277V AC	160W	6.25@24V	IP68	5 Years
CPM320PE	Cube Pitmaster 320 LED	Polycarbonate	37,440 Lu	110V-277V AC	320W	6.25@24V	IP68	5 Years
CPM320HTGPE	Cube Pitmaster 320 LED	High-Temp Glass	37,440 Lu	110V-277V AC	320W	6.25@24V	IP68	5 Year

Cube Pitmaster Series

CPM160PE

11.75"
5.04"
7.70"
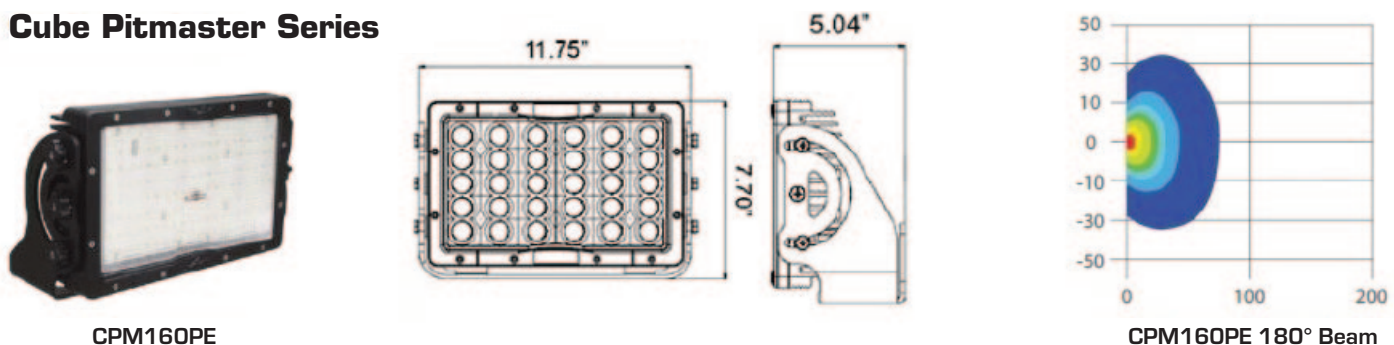
CPM160PE 180° Beam

CPM320PE

14.28"
7.00"
11.68"
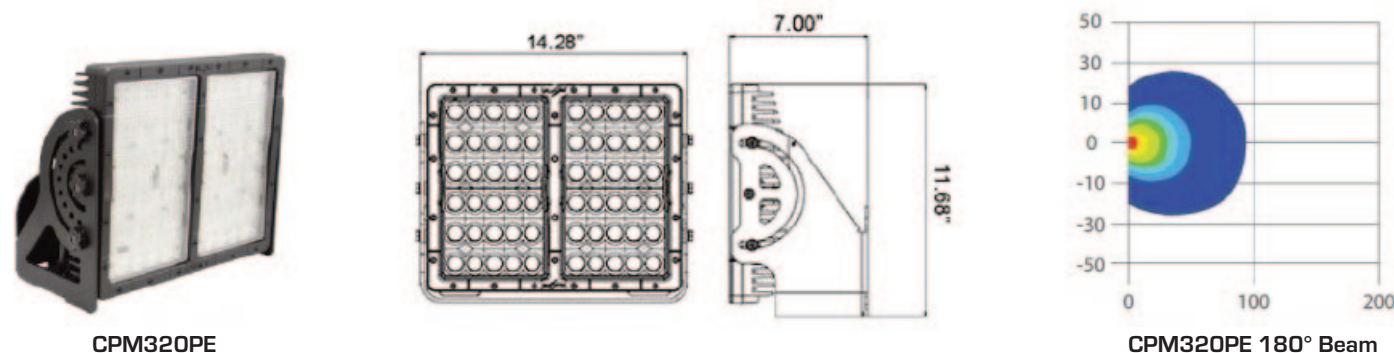
CPM320PE 180° Beam
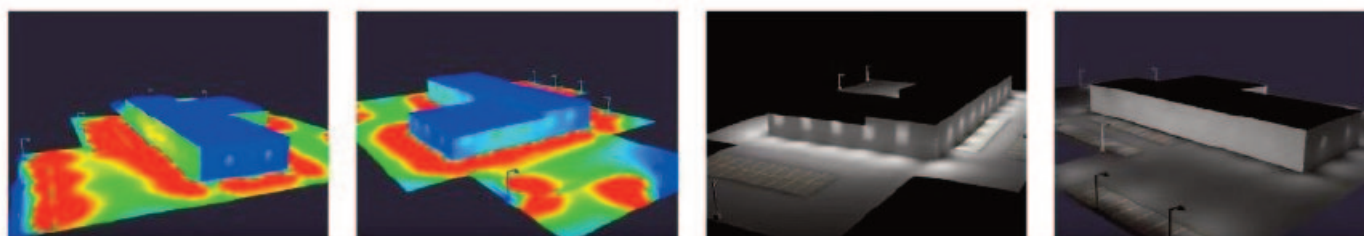
Facility Lighting & Warning
LED Replacement for Metal Halide or HPS Fixtures

VL-Pitmaster Series (AC)

The VL-Pitmaster series combines tough compact housing with advanced optics that makes a versatile LED replacement for metal halide or HPS fixtures. High-quality construction and components enable this series tower light to withstand vibration of up to 21.2 Grms. This fixture is compatible with all AC Series accessories. Black or grey trunnion sold separately.

Features
- Compact and Durable Die-Cast Housing Construction
- 56 High-Output LEDs
- 60° Beam Pattern
- AC Light Fixture

CE E1496

Technical Specifications

Type of LEDs	1.8W LED
Lumens	16,785lm
Beam Pattern	60°
Wattage	100W
Beam Pattern	60°
Wattage	800W
Amp Draw	0.9A @ 12V DC
Color Temperature	5000K
Operating Voltage	100-277V AC
Operating Temperature	-40°C ~ 85°C
Lifespan	50,000 hours
EMC	Varies Per Power Supply
Polarity	Reverse Polarity Protection
Connector	Deutsch DTO4-2P
Mounting Bracket Material	Powder Coated Mild Steel
Housing Material	Aluminum
Lens	Polycarbonate
Finish	Marine Grade Gloss Black or Grey
Ingress Protection	IP-68/ IP69K, CISPR 25
Vibration Rating	2 1.2 Grms
Salt Spray	ISO 9227
Fixture Weight	5.8 lbs (2.5kg)
W/ Power Supply and Bracket	9.15 lbs (4.15kg)
Shipping Weight	10.89 lbs (4.94kg)
Mounting	Trunnion (Optional)
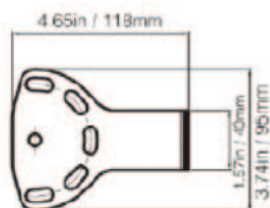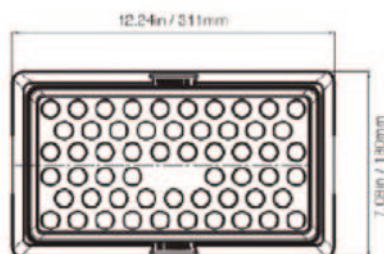
Part No.	Description
VSP025660GTRPS	VL-Pitmaster Series 100W, 60° Flood beam, Grey c/w 100-277VAC PS, TR Bracket

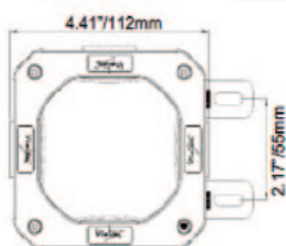| Part No.	Description
VSP025660GTR	VL-Pitmaster Series 2W LEDs, 60° beam, Grey, 48VDC (excludes JBOX, PS)
XPC-PS100-48A	Power Supply, 100W, 48V DC, 100-277VAC, CE
VX-PS150-24-JB	VL Series JBOX AC

LSGM40 Series 10W Junction Box Light

The High Bay LUC Series AC 10W Junction Box fixture by Vision X 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.

Technical Specifications

Type	40 x 5630 (LG) LEDs
Lumens	1,000 Lu
Beam Patterns	Ultra Flood 180° (UF)
Color Temperature	5000K
Mounting Options	Standard Mount Feet. Pole Slip Fitting, Swivel or Pendent Mount
Photoelectric Cell	(Optional) DDS (Dawn/Dusk Sensor)
Voltage	90-264V AC (LV - Low Voltage)
Wattage	10W
Current Draw	0.09A @ 115V AC, 0.04A @ 230V AC, 0.04A @ 277V AC
Operating Temperature	-40°C - 40°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	EMC Emission: EN55022,EN61000-3-2, Class A , EN61000-3-3. EMC Immunity: EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level (surge 2KV), criteria A
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Die-Cast 6061 Aluminum, Grey in color
Lens	Polycarbonate Lens
Weight	2 lbs (.kg)

Part No.	Beam Angle	eLumens	Voltage	Lens	Watts	Bracket
LSGM40180F	180° Ultra Flood	1,000 Lu	90-264V AC	Frosted	10W	Mounting Feet
LSGM40180A	180° Ultra Flood	1,000 Lu	90-264V AC	Amber	10W	Mounting Feet
LSGM40180B	180° Ultra Flood	1,000 Lu	90-264V AC	Blue	10W	Mounting Feet
LSGM40180R	180° Ultra Flood	1,000 Lu	90-264V AC	Red	10W	Mounting Feet
LSGM40180G	180° Ultra Flood	1,000 Lu	90-264V AC	Green	10W	Mounting Feet

E1496

4.41"/112mm

2.17"/55mm

Mounting Options

Standard Mount Feet

LAGJ1PM Pendant Mount

Pole Slip Fitting (PSF)

Frosted   **Amber**   **Green**   **Red**   **Blue**

LAYUPC2M 10" Quick Connect Wire

LASUQC43 3/4" J Box Quick Connect

LAYSL 110V AC Plug

P-NEMA220PLUG 240-277V AC Twist Lock Plug

LAGPM Pendant Mount Hook

LAGDTD Dusk/Dawn Sensor
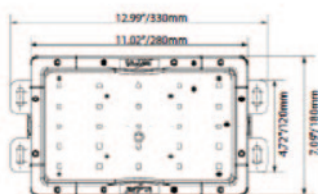
LAGSW34 3/4" Adjustable Swivel)

LSG033 Series 50W Junction Box Light

The 50W Junction Box fixture by Vision X 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.

Technical Specifications

Type	25 x MHB-B (CREE) LEDs
Lumens	6,000 Lu
Beam Patterns	Wide Flood 90°, Ultra Flood 180° (UF)
Color Temperature	5000K
Mounting Options	Standard Mount Feet, Trunnion Bracket, Dual Bracket, Pole Slip Fitting, Wall Mount, Swivel (SWL), Pendant Mount (PEN)
Photoelectric Cell	(Optional) Dawn/Dusk Sensor
Voltage	90-305V AC (LV - Low Voltage), 480V AC (HV - High Voltage)
Wattage	50W
Current Draw	0.43A @ 115V AC, 0.22A @ 230V AC, 0.18A @ 277V AC
Operating Temperature	-40°C - 40°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission:** EN55022,EN61000-3-2, Class A , EN61000-3-3. **EMC Immunity:** EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level (surge 2KV), criteria A
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Die-Cast 6061 Aluminum, Grey in color
Lens	Polycarbonate Lens
Weight	8 lbs (3.8kg)
Dimensions (D, W, H)	3.33 x 12.99 x 7.09" (84 .5 x 330 x 180mm)

Part No.	Beam Angle	eLumens	Voltage	Watts	Bracket
LSG033090	90° Wide Flood	6,000 Lu	90-305V AC (Std), 480V (HV)	50W	Trunnion
LSG0330180	180° Ultra Wide Flood	6,000 Lu	90-305V AC (Std), 480V (HV)	50W	Trunnion

Mounting Options

Standard Mount Feet

LSG033090TR or LSG02251180TR Trunnion Bracket

Pole Slip Fitting

LAGJ5WM Wall Mount

LAGUS3 3" Slip Fitting Mount

LAGSW34 3/4" Adjustable Swivel)
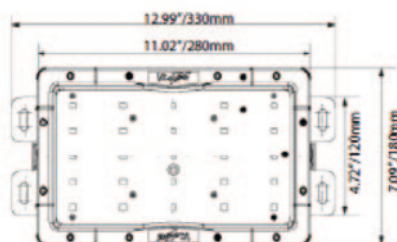
LAGPM Pendant Mount Hook

Facility Lighting & Warning
Green LED Eye-wash Station Light

LSG033 Green Series

CE E1496 c(UL)us LISTED

12.99"/330mm
11.02"/280mm
4.72"/120mm
7.09"/180mm

Mounting Options

Standard Mount Feet

Pole Slip Fitting

**LAGUS3
(3" Slip Fitting Mount)**

Eye-wash Station LED Green Light

An all in one LED light and junction box, this industrial luminaire is designed to outshine and outlast the competition featuring advanced electronic technology like pulse width modulation, electronic thermal management and a Failsafe redundant circuit design. The bright green light emitted by the LEDs promises temporarily visually impaired workers to quickly and safely find their way to an eye wash station. A built-in backup battery is also available.

Application: Eye-wash station, walkways, general lighting

Technical Specifications

LED	(Non-Optic) MHB-B (CREE) (Optics) XT-E2 (CREE)
Beam Patterns Wattage	Spot 10°, Narrow 25°, Medium 40°, Flood 60°, Wide Flood 90°
Wattage	50W
Mounting Options	Standard Mount Feet
Amp Draw	0.43A @ 115V AC, 0.22A @ 230V AC, 0.18A @ 277V AC
Operating Voltage	90-305V AC, 127 - 431V DC
Operating Temperature	-40°C to +60°C
Lifespan	50,000 hrs
Housing	Die-Cast 6061 Aluminum
Finish	Gloss Grey
Lens	Polycarbonate Lens
Weight	8 lbs (3.8kg)
Dimensions (D, W, H)	3.33x12.99x7.09" (84.5x330x180mm)
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	IP68, IP69K, UL1598A Marine
Warranty	5 Years

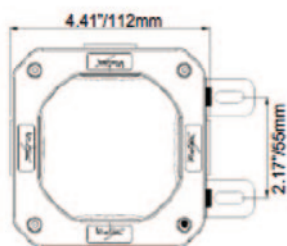| Part No.	Beam Angle	eLumens	Voltage	Watts
LSG0330180G	180°	6 - 7,000 Lu	90-305V AC	50W

Facility Lighting & Warning
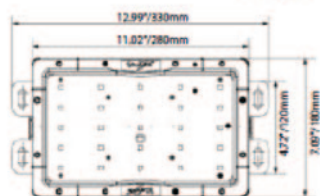## AC Dark Series Lights

LSGM40 AC Dark Series

10W Junction Box Light

The 10-Watt fixture is designed with a painted bezel to eliminate light bleed. Unlike tradition fixtures, LEDs consume less power while emitting effective lumens, are more flexible with light content, and do not require a warm-up period resulting in wasted energy. Vision X LED fixtures are enhanced with Pulse Width Modulation (PWM) technology achieving a 50,000+ hour lifespan.

Technical Specifications

Type	40 x 5630 (LG) LEDs
Beam Patterns	Ultra Flood 180°
Color Temperature	2800K
Mounting Options	Standard Mount Feet or PEN (Pendant Mount)
Voltage	90-264V AC | 127-370V DC
Wattage	10W
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55022,EN61000-3-2, Class A, EN61000-3-3.
	EMC Immunity: EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level (surge 2KV), criteria A
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Lens	Polycarbonate Lens
Weight	2 lbs (0.9kg)

Part No.	Beam Angle	Voltage	Watts
LSGSM40180PH.2800K	180° Ultra Flood	90-264V AC | 127-370V DC	10W

LSGM33 AC Dark Series

50W Junction Box Light

Technical Specifications

Type	25 x MHB-B (CREE) LEDs
Beam Patterns	Spot 10°, Narrow 25°, Medium 40°, Flood 60°, Wide Flood 90° or Elliptical
Color Temperature	2800K
Mounting Options	Standard Mount Feet, Wall Mount or Dual Bracket
Voltage	90-305V AC
Wattage	50W
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55022,EN61000-3-2, Class A, EN61000-3-3.
	EMC Immunity: EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level (surge 2KV), criteria A
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Lens	Polycarbonate Lens
Weight	8 lbs (3.8kg)t
Dimensions (D, W, H)	3.33x12.99x7.09" (84.5x330x180mm)

Part No.	Beam Angle	Part No.	Beam Angle
LSG033010WP.2800K	10°	LSG033060WP.2800K	60°
LSG033025WP.2800K	25°	LSG033090WP.2800K	90°
LSG033040WP.2800K	40°	LSG033065WP.2800K	Elliptical

Phone: 812.490.1525 • Fax: 812.490.1582 • 3299 Tower Drive • Newburgh, Indiana 47630 • email: sales@matrixteam.com • **www.matrixteam.com**
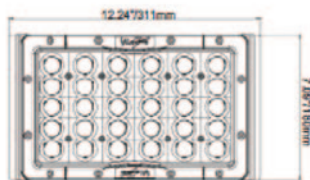
Facility Lighting & Warning

AC Dark Series Lights

LUC30 AC Dark Series

140W LED Flood Light

Technical Specifications

Type	30 x XP-LHD (CREE) LEDs
Beam Angle	Spot 10°, Narrow 25°, Medium 40°, Flood 60°, Wide Flood 90° or Elliptical
Color Temperature	2800K
Mounting Options	Standard Mount Feet or PEN (Pendant Mount)
Voltage	90-305V AC
Wattage	140W
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity**: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Lens	Polycarbonate Lens
Weight	32 lbs (14.5kg) including TR Bracket
Dimensions (D, W, H)	7.17x12.24x7.09" (182x311x180mm)

Part No.	Beam Angle	Part No.	Beam Angle
LSG063010TRQC.2800K	10°	LSG063060TRQC.2800K	60°
LSG063025TRQC.2800K	25°	LSG063090TRQC.2800K	90°
LSG063040TRQC.2800K	40°	LSG06303065TRQC.2800K	Elliptical

LUC60 AC Dark Series

280W LED Flood Light

Technical Specifications

Type	60 x XP-LHD (CREE) LEDs
Beam Patterns	Spot 10°, Narrow 25°, Medium 40°, Flood 60°, Wide Flood 90° or Elliptical
Color Temperature	2800K
Voltage	90-305V AC
Wattage	280W
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity**: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Lens	Polycarbonate Lens
Weight	56 lbs (25.4kg) including TR Bracket
Dimensions (D, W, H)	7.17x13.54x12.24" (182x344x311mm)

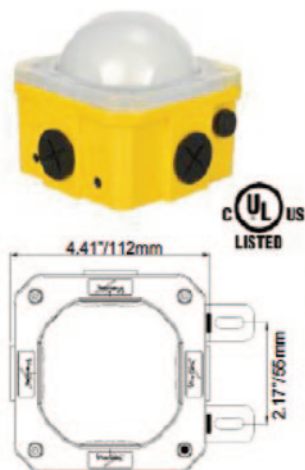| Part No.	Beam Angle	Part No.	Beam Angle
LSG066010TRQC.2800K	10°	LSG066060TRQC.2800K	60°
LSG063025TRQC.2800K	25°	LSG066090TRQC.2800K	90°
LSG066040TRQC.2800K	40°	LSG06603065TRQC.2800K	Elliptical

Facility Lighting & Warning
Corrosion Resistant Lights

LSYSM40 Corrosion Resistant Lighting Series

10W Junction Box Light

The 10W All-In-One Junction Box LED Light is IP68 / IP69K rated and UL1598a rated for wet locations. Designed to fight against acid mist environments, the 10W is engineered with a plastic tri-coated aluminum housing.

Technical Specifications

Type	40 x 5630 (LG) LEDs
Beam Patterns	Ultra Flood 180°
Color Temperature	5000K
Mounting Options	Standard Mount Feet, Pole Slip Fitting, SWL (Swivel), PEN (Pendant Mount)
Voltage	90-264V AC	127-370V DC
Wattage	10W
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55022,EN61000-3-2, Class A ,EN61000-3-3. **EMC Immunity**: EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level (surge 2KV), criteria A
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Lens	Polycarbonate Frosted Lens
Weight	2 lbs (0.9kg)

Part No.	Beam Angle	Voltage	Watts
LSYSM40180F	180° Ultra Flood	90-264V AC	127-370V DC	10W

LSY033 Corrosion Resistant Lighting Series

50W Junction Box Light
The 50W All-In-One Junction Box LED Light is IP68 / IP69K rated and UL1598a rated for wet locations. Designed to fight against acid mist environments, the 50W is engineered with a plastic tri-coated aluminum housing.

Technical Specifications

|	
Type	25 x MHB-B (CREE) LEDs
Beam Patterns	Flood 60°, Wide Flood 90° or 180° Ultra Wide Flood
Color Temperature	5000K
Mounting Options	Standard Mount Feet, Wall Mount or Dual Bracket
Voltage	90-305V AC	127-431V DC
Wattage	50W
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55022,EN61000-3-2, Class A ,EN61000-3-3. **EMC Immunity**: EN55024, EN61000-4-2,3,4,5,6,8,11; light industry level (surge 2KV), criteria A
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Lens	Polycarbonate Lens
Weight	8 lbs (3.8kg)
Dimensions (D, W, H)	3.33x12.99x7.09" (84.5x330x180mm)

Part No.	Beam Angle	Voltage	Watts
LSY0225180QC	180° Ultra Wide Flood	90-305V AC	127-431V DC	50W
LSY033060QC	60°	90-305V AC	127-431V DC	50W
LSY0225180QC	90°	90-305V AC	127-431V DC	50W

LUC30 Corrosion Resistant Lighting Series
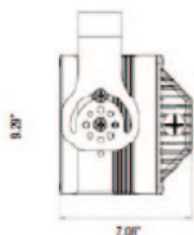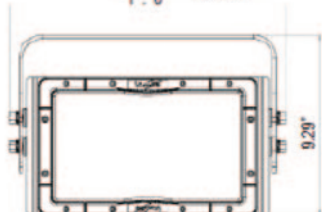
140W LED Flood Light

The 140W AC LED light fixture features a stainless steel trunnion bracket and stainless steel fasteners to fight against chemically harmful environments. Included with the light is a quick connect cable allowing for simple installation and speedy maintenance. The 140W is IP68 / IP69K rated and UL1598a rated for wet locations.

Technical Specifications

Type	30 x XP-LHD (CREE) LEDs
Lumens	18,000 Lu
Beam Patterns	Flood 60° (FD), Wide Flood 90° (WD)
Color Temperature	5000K
Voltage	90-305V AC (LV - Low Voltage), 480V AC (HV - High Voltage)
Wattage	140W
Current Draw	1.22A @ 115V AC, 0.61A @ 230V AC, 0.51A @ 277V AC
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity**: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Plastic tri-coated aluminum. Gloss yellow finish
Lens	Polycarbonate Lens
Weight	24 lbs (10.9kg)
Dimensions (D, W, H)	7.17x12.24x7.09" (182x311x180mm)

Part No.	Beam Angle	Lumens	Voltage	Watts
LSY063060STRQC	60°	18,000 Lu	90-277V AC (Standard), 480V (HV)	140W
LSY063090STRQC	90°	18,000 Lu	90-277V AC (Standard), 480V (HV)	140W

LUC60 Corrosion Resistant Lighting Series
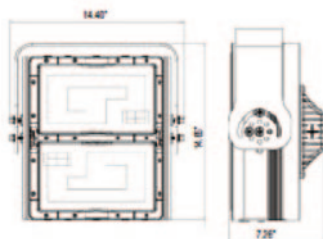
280W LED Flood Light

The 280W AC LED light fixture features a stainless steel trunnion bracket and stainless steel fasteners to fight against chemically harmful environments. Included with the light is a quick connect cable allowing for simple installation and speedy maintenance. The 280W is IP68 / IP69K rated and UL1598a rated for wet locations.

Technical Specifications

Type	60 x XP-LHD (CREE) LEDs
Lumens	36,000 Lu
Beam Patterns	Flood 60° (FD), Wide Flood 90° (WD))
Color Temperature	5000K
Voltage	90-305V AC (LV - Low Voltage), 480V AC (HV - High Voltage)
Wattage	280W
Current Draw	2.43A @ 115V AC, 1.22A @ 230V AC, 1.01A @ 277V AC
Operating Temperature	-40°C to +60°C
Vibration	15.6 Grms
IP Rating	IP68, IP69K
Certifications / Ratings	**EMC Emission**: EN55015, EN55022 (CISPR22) Class B, EN61000-3-2, Class C (@ Load ≥ 50%); EN61000-3-3. **EMC Immunity**: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level surge immunity Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing	Plastic tri-coated aluminum. Gloss yellow finish
Lens	Polycarbonate Lens
Weight	37.05 lbs (16.81kg)
Dimensions (D, W, H)	7.17x13.54x12.24" (182x344x311mm)

Part No.	Beam Angle	eLumens	Voltage	Watts
LSY066060STRQC	60°	36,000 Lu	90-277V AC (Standard), 480V (HV)	280W
LSY066090STRQC	90°	36,000 Lu	90-277V AC (Standard), 480V (HV)	280W

Facility Lighting & Warning

Explosion-Proof Lighting

High Bay ATEX /Ex Series

ATEX CE0575 EX II 2G Ex d II B T5 Gb

The High Bay ATEX/ Ex Series 40W light fixture by Vision X was designed for Hazardous Area applications.

Technical Specifications

Type	18 x XP-E (CREE) LEDs
Lumens	3,500 Lu
Beam Patterns	Spot 10° (SD), Narrow 25° (ND), Flood 60° (FD)
Color Temperature	6000K
Voltage	90-277V AC (Standard), 480V AC (HV - High Voltage)
Wattage	40W
Current Draw	0.43A @ 115V AC, 0.22A @ 230V AC, 0.18A @ 277V AC
Operating Temperature	-40°C - 40°C
Vibration	15.6 Grms
IP Rating	IP68, IP69k
Certifications / Ratings	**ATEX/ Ex:** Zone 1, Zone 2, EX d, II B. **EMC Emission:** B, EN61000-3-2, Class C (@Load ≥ 50%); EN61000-3-3. **EMC Immunity:** EN55015, EN55022 (CISPR22) Class: EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, Light Industry Level (surge immunity) Line-Earth 4KV, Line-Line 2KV
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Housing and Lens	Die-Cast 6061 Aluminum, Black in color. Polycarbonate Lens
Weight	21 lbs (9.5kg)
Dimensions (D, W, H)	8.15 x 10.04 x 6.89" (207 x 255 x 175mm)

Part No.	eLumens	Beam	Voltage	Watts
LUC18E-10	3500 Lu	Spot 10°	90-277V AC	40W
LUC18E-25	3500 Lu	Spot 35°	90-277V AC	40W
LUC18E-60	3500 Lu	Spot 60°	90-277V AC	40W

Comparing ATEX / IECEx and North American NEC Classification

NEC Class 1 - Gases / Vapors

DIVISIONS: North America NEC

Division 1: Hazardous material is present during normal operating conditions and a hazardous condition is expected to exist all or most of the time.

Division 2: The presence of hazardous materials is only expected under abnormal conditions, such as during container failures, leaks or system failures.

Gas Groups

Division 1 and 2	Zone 0,1 and 2:
A (acetylene)	IIC (acetylene and hydrogen)
B (hydrogen)	IIB (ethylene)
C (ethylene)	IIA (propane)
D (propane)	

Temperature Codes Min Temp

Division 1 and 2	Zone 0,1 and 2:
T 1 = 450°C	T 1 = 450°C
T2 = 300°C, T2A = 280°C, T2B =260°C, T2C- = 230°C, T2D- = 2 15°C	T2 = 300°C
T3 = 200°C, T3A- = 180°C, T3B- =165°, T3C- = 160°C	T3 = 200°C
T4- = 135°C, T4A = 120°C	T4- = 135°C
T5- = 100°C	T5- = 100°C
T6- = 85°C	T6- = 85°C

ATEX / IECEx - Gases/Vapors

ZONES: ATEX / IECEx

Zone 0: An area where an explosive atmosphere is always present or may be present for an extended period of time.

Zone 1: An area where the atmosphere is likely to pose an explosion or fire hazard during normal operations.

Zone 2: An area where an explosive atmosphere is not and should not normally be present during normal operations, and should it appear, will only be present for a short period of time.

Facility Lighting & Warning
Savings Information

VL-Pitmaster Kit Energy and Fuel Savings

Wattage of Old Fixture: 625W
Wattage of VX LED Fixture: 100W
Number of Fixtures: 8
Hours Per Day : 12

Light Plant Max Power: 66.66 Amps
Light Plant Voltage: 120V AC Factory
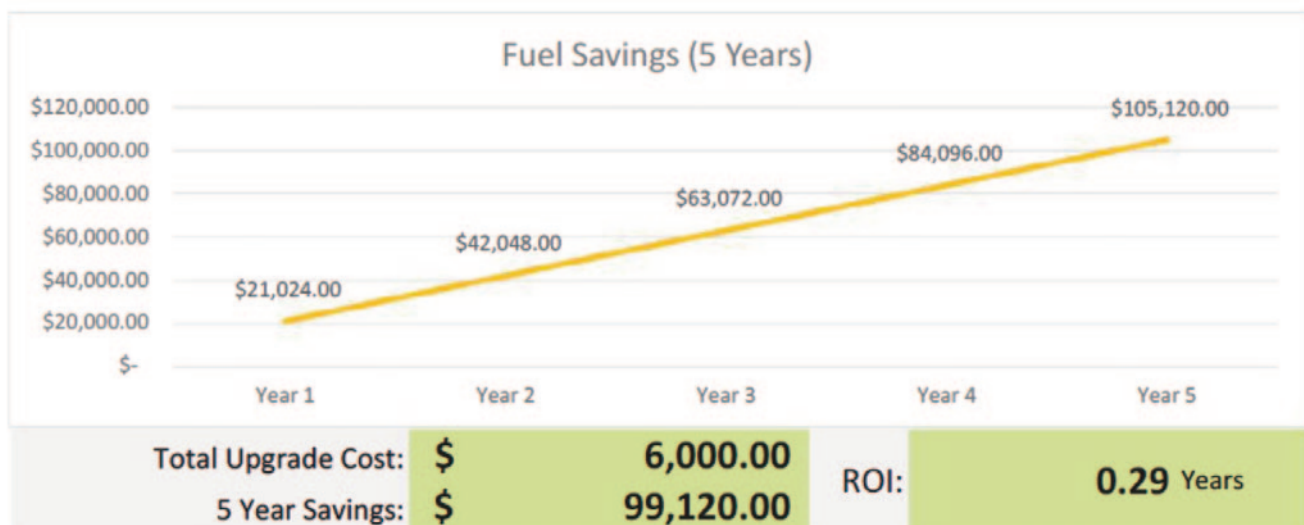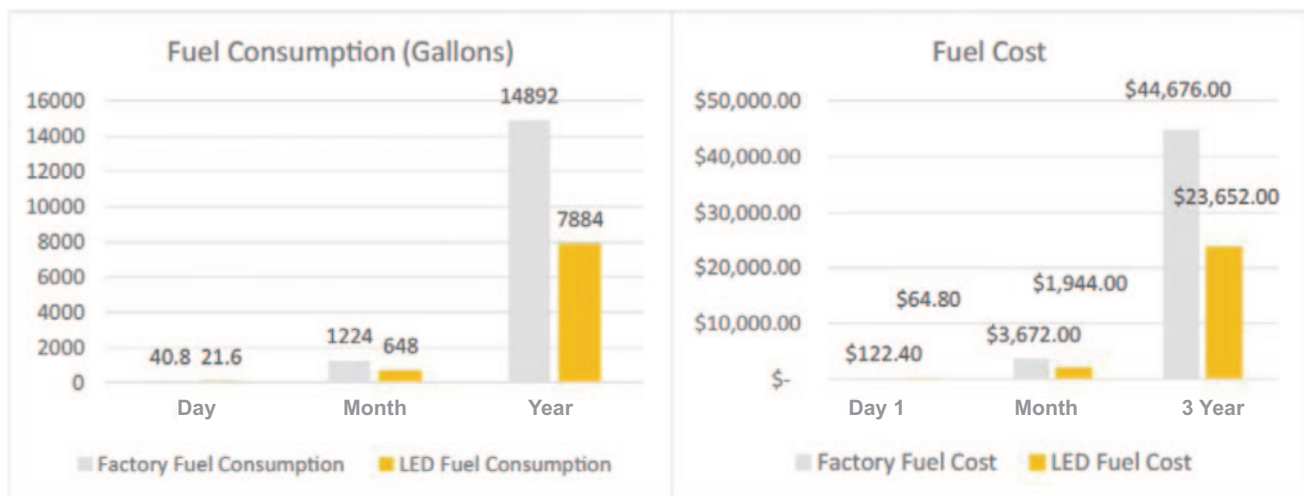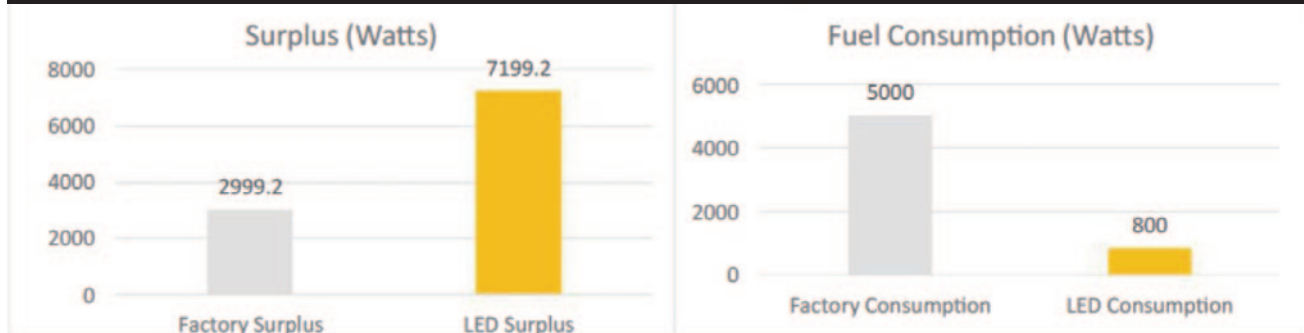Full Load Fuel Consumption: 3.4 Gallons/Hr LED
Half Load Fuel Consumption: 1.8 Gallons/Hr

Fuel Cost : $3.00
Fixture Cost : $0.00
Fixture Cost : $750

ENERGY and FUEL SAVINGS

Surplus (Watts)
- Factory Surplus: 2999.2
- LED Surplus: 7199.2

Fuel Consumption (Watts)
- Factory Consumption: 5000
- LED Consumption: 800

Fuel Consumption (Gallons)
	Day	Month	Year
Factory Fuel Consumption	40.8	1224	14892
LED Fuel Consumption	21.6	648	7884

Fuel Cost
	Day 1	Month	3 Year
Factory Fuel Cost	$122.40	$3,672.00	$44,676.00
LED Fuel Cost	$64.80	$1,944.00	$23,652.00

Fuel Savings (5 Years)
- Year 1: $21,024.00
- Year 2: $42,048.00
- Year 3: $63,072.00
- Year 4: $84,096.00
- Year 5: $105,120.00

Total Upgrade Cost:	$ 6,000.00	ROI:	0.29 Years
5 Year Savings:	$ 99,120.00		

Facility Lighting & Warning
Audible Warning

Alarms & Speakers

Part No.	Volume (dB)	Voltage	Amps	Additional Information
210335	112	12-48 DC	0.15A	SAE J994 Type A, OSHA and MSHA, dual tone, universal mounting bracket. Dimensions: (WxHxD) 2.9 x 2.9 x 2.4" (73 x 73 x 62mm)
300GC-120	110dB @ 10' 120dB @ 1m	120V AC	0.2A	Built-in gain control, adjustable between 0-110 dBa @ 10', Type 3R, IP54 enclosure, UL1480, CSFM approved. Indoor or outdoor use. Crisp, clear tones, digital voice messages in harsh environments. Dim: (WxHxD) 12.4 x7.9 x 8.5" (315 x 201x2 16mm)
300GC-240	110dB @ 10' 120dB @ 1m	240V AC	0.1A	Built-in gain control, adjustable between 0-110 dBa @ 10', Type 3R, IP54 enclosure, UL1480, CSFM approved. Indoor or outdoor use. Crisp, clear tones, digital voice messages in harsh environments. Dim: (WxHxD) 12.4 x7.9 x 8.5" (315 x 201x2 16mm)
AS124 (1000W)	-	32V RMS	3A	Meets/exceeds SAE J 1849 and CCR Title 13, Article 22, Class "A" for sound output. UL1480, (Class 94HB) approved material flammability rating. 2 year speaker warranty. Dim: (WxHxL) 7.7 x 5.7 x 4.7" (196 x 145 x 119mm).

Federal Signal Back-up Alarm

Evacuator® Back-up Alarm

10335

Federal Signal Speakers

SelecTone® Amplified Speaker

300GC-120
300GC-240

Economy Speaker

AS124

Sirens

BC-8

Outdoor Siren & LED Light

This light can be used as auxiliary lighting in harsh environments, such as: large hoists and cranes, driver cab and walkway lighting, wind turbines, and ship overhead and walkway lighting.

Features
- Super-bright LEDs consuming only 6W of power
- Siren produces 106dB sound levels
- Die-cast aluminum enclosure, which is light-weight, shockproof and corrosion resistant
- Ingress protection rated at IP65 Integrated circuitry protects from strong electromagnetic interference
- Various tones and adjustable volume control
- Red, Amber and Green Color Options
- Dim. (DxWxH): 6.5 x 4.25 x 11.8" (165 x 108 x 300mm)
- Weight: 5.95 lbs (2.7kg)

Part No.	Colors	Sound Level	Voltage	Watts
BC-8	Red, Amber Green	106dB	24V AC, 36V AC, 48V AC, 110V AC, 240V AC, 380V AC, 24V DC, 48V DC (optional)	6W

AE310

Outdoor Siren

Designed for operation or auxiliary alarming for hoist, construction and port machinery. Also for mine, metallurgy and chemical facilities

Features
- Die-cast aluminum enclosure, light-weight, shockproof and corrosion resistant
- Ingress protection rated at IP65
- Industrial grade digital and audio chip to guarantee EMI stability
- Wall-mounted or plane-mounted to meet installation requirements and for high vibration resistance
- Model One: optional wiring harness to remotely switch between tones (5)
- Model Two: optional wiring harness to remotely switch between tones (16)
- Dim. (DxWxH): 7.56 x 5.0 x 4.7" (192 x 128 x 120mm)
- Weight: 4.41 lbs (2kg)

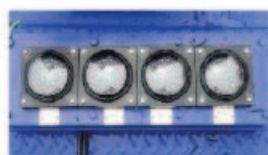| Part No.	Sound Level	Voltage	Watts
AE310	104-116dB	36V AC, 110V AC, 220V AC, 380V AC ±10%, 24V DC ±20% (customized)	20W

Facility Lighting & Warning
LED Fault Indicator & Strobe Lights

ABC-16

LED Fault Indicator
Primarily designed for slings on various cranes, the ABC-16 provides a visual and audible (alarm) alert when a problem is detected. Can also be used in electric power stations, and equipment/facilities that require fault detection and notification.

Features
- Super-bright LEDs consuming only 5W of power
- Die-cast aluminum enclosure, light-weight, shockproof and corrosion resistant
- Integrated circuitry protects from strong electromagnetic interference
- Various tones and adjustable volume control
- Dim. (DxWxH): 2.3 x 5.5 x 5.5" (58 x 140 x 140mm)

Part No.	Colors	Voltage	Watts
ABC-16	Red, Yellow, Green (Blue, White optional)	110~240V AC, 12V AC, 12V DC, 24V DC, 48V DC	5W

ABC-2 & -3

LED Light Indicator
ABC-2 & ABC-3 series LED triple light indicators are specially designed for various cranes used in harbors and plants to check the status of equipment or a device when a problem occurs. The unit is corrosion and shock-resistant via a cold-rolled steel enclosure with powder-coated finish.

Features
- Super-bright LEDs consuming 5W per lamp (ABC-2) and 8W per lamp (ABC-3)
- LED visibility is more than 300m
- Completely sealed by silicon rubber, providing IP65
- Colors: Red, Amber, Green, (Blue or White optional)

ABC-2
- Dim. (DxWxH): ~8.7 x 7.87 x 21.3" (~220 x 200 x 540mm)
- Weight: 13 lbs (5.9kg)

ABC-3
- Dim. (DxWxH): ~8.7 x 9.45 x 25.2" (~220 x 240 x 640mm)
- Weight: 15.87 lbs (7.2kg)

Part No.	Colors	Voltage	Watts
ABC-2	Red, Amber, Green (Blue, White optional)	220V AC, 380V AC	15W
ABC-13	Red, Amber, Green (Blue, White optional)	220V AC, 380V AC	24W

LP3T Strobe Lights

Part No.	Color	Voltage	Amps	Additional Information
LP3T-120A	Red, Green, Clear, Blue, Amber	120V AC	0.1A	IP66, Type 4X, UL and cUL Listed, CSA certified, T-Mount, strobe tube, 65-95 FPM. 51.5 effective candela. Screw-on lens. PLC and triac compatible. Dim: 5.1" (129.5mm) High, 3.125" (79.4mm).

LP3 StreamLine® Low Profile Strobe Lights

LP3T-120A