



Mobile Equipment Lighting

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NOTE: These products are available to customers operating east of the Mississippi River in the United States

Optimized Lighting Solutions:

Heavy Equipment / Mobile Fleets



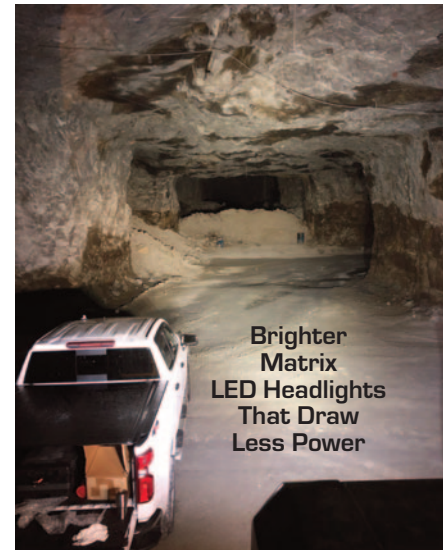
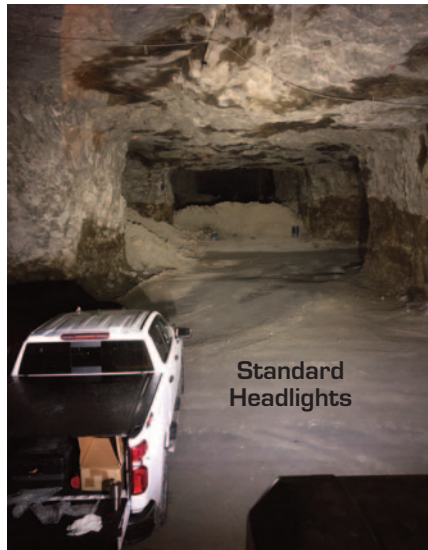
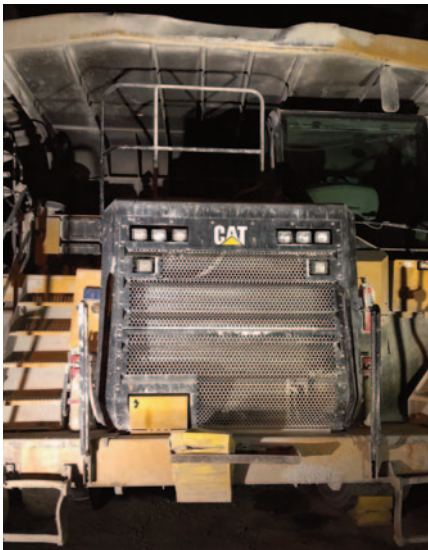
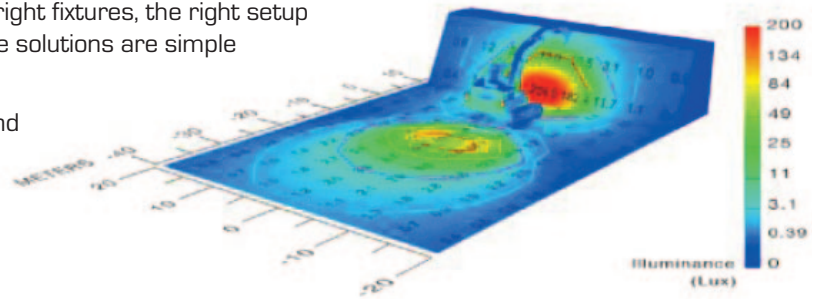
What you can expect from Matrix:

Our goal is to provide your operation with the best lighting solution to support your safety and productivity goals.

More light isn't always the best solution. Selecting the right fixtures, the right setup (orientation/tilt/mounting position) and ensuring these solutions are simple and repeatable is key.

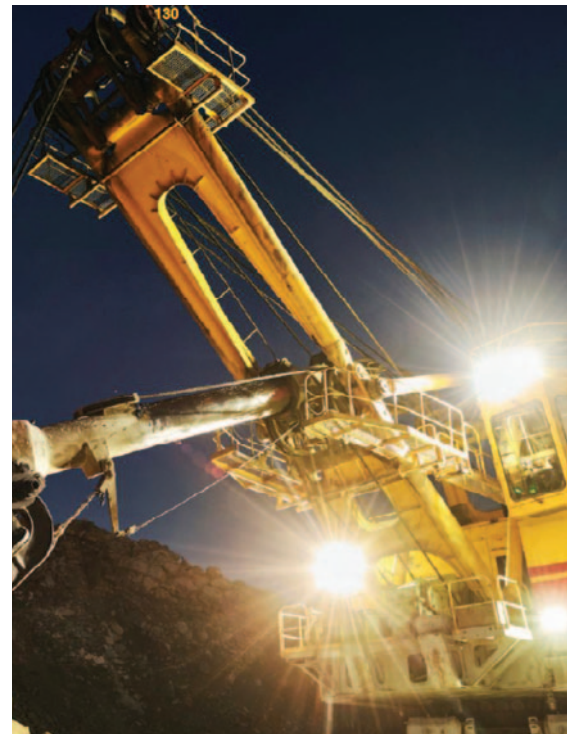
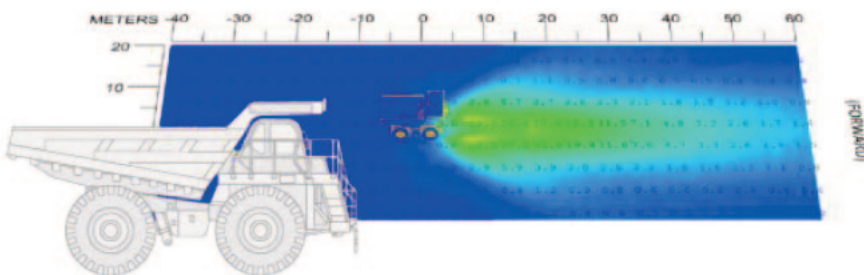
Dealing with glare, reflection from different surfaces and materials, fog, dust, rain/snow and mud are a few of the issues Matrix customers face each day. And in today's business environment, cost is king.

Matrix offers a free LED upgrade ROI analysis to justify proposed lighting upgrades.



Contrast, visibility and depth perception are severely impacted in poor lighting conditions. Haul Truck speeds are reduced and operator errors increase due to fatigue. With improved lighting, you can run your mobile equipment more efficiently, improve safety, produce more tons and reduce damage and maintenance costs.

If you are looking for productivity gains, let Matrix work with your team to develop a better solution. Matrix has a growing data base of equipment upgrades and lighting plans that we would like to share.



Tower Lighting

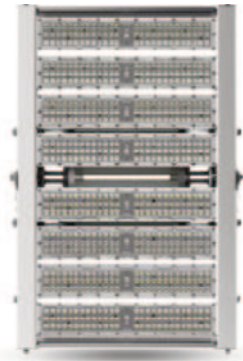
Area Lights



MATRIX

LF70 LED Area Light

LF70 high mast LED lighting provide an energy saving, low maintenance solution with a focus on port terminals, cranes, stadiums, airports, and industrial applications. These quality-built modular light fixtures are available in six size options ranging from 75W (9K Lu) right up to 560W (67.2K Lu).



LF70H-1

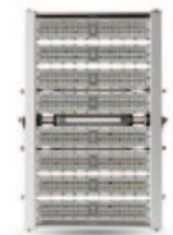
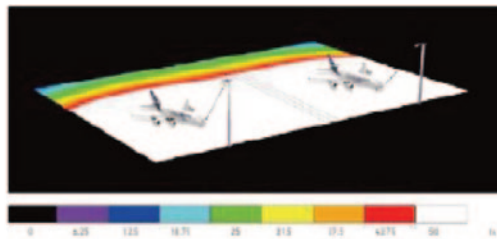
Features

- Provides reliable and uniform LED lighting, ranging from 400W to 1000W HID replacement
- Modular design allows easy maintenance & upgrading
- Stainless steel mounting bracket for environmental protection
- Rugged, die-cast aluminium housing for maximum durability
- 2700-3000K color temperature are available for each option
- CE certified

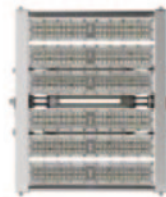
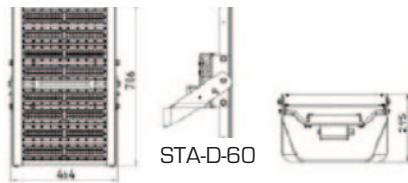
Technical Specifications

Input Voltage	100-240V AC, 50-60Hz
Rated Power	75W, 150W, 220W, 300W, 440W, 560W
LED Lifespan	50,000 hours
Color Temperature	5500-6000K, 2700-3000K option
Light Efficiency	120 Lu/W (5.5-6K), 105 Lu/W (2.7-3K option)
Beam Spread	Special beam for high mast use
IP Rating	IP65
Vibration-resistant level	1.5G (ANSI C135.31)
Corrosion-resistant Level	ISO9227 720H
Operating Temperature	-30°C to +50°C
Material	Polycarbonate lens, die-cast aluminium housing

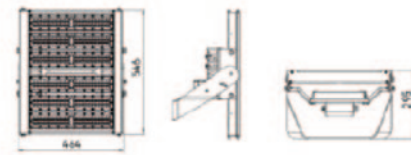
Applications: Airports, other port terminals, industrial, cranes, stadiums, high masts



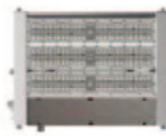
LF70H-1, 560W, 67,200 Lu



LF70H-2, 440W, 52,800 Lu



LF70H-3, 300W, 36,000 Lu



LF70H-4, 220W, 26,400 Lu



LF70H-5, 150W, 18,000 Lu



LF70H-6, 75W, 9,000 Lu



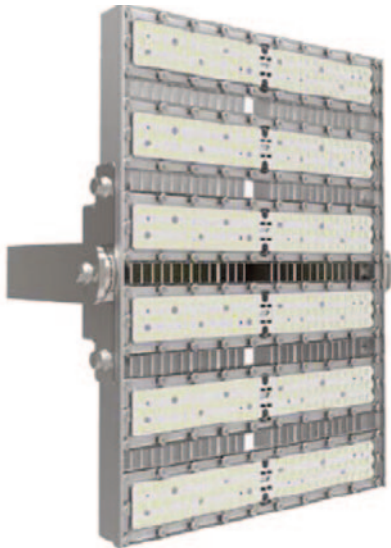
Part No.	Beam	Color Temp	Voltage	eLumens	IP	Dimensions (D, W, H)	Watts
LF70H-1	120°x30°	5500-6000K	100-240V AC	67,200 Lu	IP65	11.6x 18.3x27.8" (295x464x706mm)	560W
LF70H-2	120°x30°	5500-6000K	100-240V AC	52,800 Lu	IP65	11.6x 18.3x2 1.5" (295x464x546mm)	440W
LF70H-3	120°x30°	5500-6000K	100-240V AC	36,000 Lu	IP65	11.2x 17.8x 15.2" (285x452x386mm)	300W
LF70H-4	120°x30°	5500-6000K	100-240V AC	26,400 Lu	IP65	8.1x 17.8x 13.8" (205x452x350mm)	220W
LF70H-5	120°x30°	5500-6000K	100-240V AC	18,000 Lu	IP65	8.1x17.8x10.6" (205x452x270mm)	150W
LF70H-6	120°x30°	5500-6000K	100-240V AC	9,000 Lu	IP65	8.1x 17.8x7.5" (205x452x 190mm)	75W

Tower Lighting

LED Flood Lights



LF70ES Series LED Flood Light



LF70 series LED flood light is specially designed for harsh environment application like mines and ports. This product has high luminous efficacy, C4-level anti-corrosion capacity and 5G anti-vibration ability.

Features

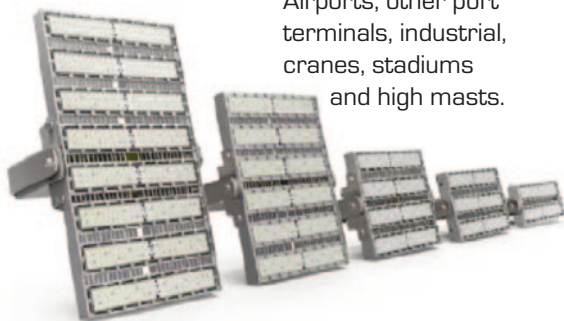
- Module design, flexible combination
- High efficient heat dissipation structure design
- Light-weight design, easy installation
- Series and parallel electric circuit design
- PWM/O-5V/O-10V/time control, dimming control are optional
- Certificates: E1496

Technical Specifications

Input Voltage	100-240V AC, 50-60Hz
Rated Power	150W, 200W, 300W, 400W, 600W
Power Factor	>0.9
Lightning Surge	IEC61000-4-5 2005±2KV
Electrostatic Discharge	IEC61000-4-2 2001± 6KV
LED Lifespan	50,000 hours
Color Temperature	5500-6000K, (2700 warm white option)
Light Efficiency	140 Lu/W, (125 Lu/W white white option)
Beam Spread	15°, 25°, 60°
IK Rate	IEC62262, IK08
Vibration-resistant level	5G (IEC60068-2-6)
IP Rating	IEC60529, IP67
Salt Spray Rate	ISO9227 720H/ C5-M
Operating Temperature	-30°C to +60°C (overheat protection)
EMC	IEC61000-4-3 CLASS 3, IEC61000-4-4 CLASS 4, IEC61000-4-6 CLASS 3, EN55015
Body Material	Aluminum Alloy
Cover Material	PC
Safety Wire Material	Stainless Steel
Body Color	Silver
Weight	4.0 Kg (75W), 5.0 Kg (150W), 8.5 Kg (200W), 11.5 Kg (300W), 15.0 Kg (400W), 21.0 Kg (600W)

Applications

Airports, other port terminals, industrial, cranes, stadiums and high masts.



Part No.	Beam	Color Temp	Voltage	eLumens	IP	Dimensions (D, W, H)	Weight	Watts
LF70ES-1-15	15°	5500-6000K	100-240V AC	84,000 Lu	IP67	7.2x17.2x27.5" (183.5x420x700mm)	21 kg	600W
LF70ES-1-25	25°	5500-6000K	100-240V AC	84,000 Lu	IP67	7.2x 17.2x27.5" (183.5x420x700mm)	21 kg	600W
LF70ES-1-60	60°	5500-6000K	100-240V AC	84,000 Lu	IP67	7.2x 17.2x27.5" (183.5x420x700mm)	21 kg	600W
LF70ES-2-15	15°	5500-6000K	100-240V AC	56,000 Lu	IP67	7.2x17.2x20.47" (183.5x436.5x520mm)	15 kg	400W
LF70ES-2-25	25°	5500-6000K	100-240V AC	56,000 Lu	IP67	7.2x 17.2x20.47" (183.5x436.5x520mm)	15 kg	400W
LF70ES-2-60	60°	5500-6000K	100-240V AC	56,000 Lu	IP67	7.2x 17.2x20.47" (183.5x436.5x520mm)	15 kg	400W
LF70ES-3-15	15°	5500-6000K	100-240V AC	45,000 Lu	IP67	7.2x 17.2x 13.39" (183.5x436.5x340mm)	11 kg	300W
LF70ES-3-25	25°	5500-6000K	100-240V AC	45,000 Lu	IP67	7.2x17.2x13.39" (183.5x436.5x340mm)	11 kg	300W
LF70ES-3-60	60°	5500-6000K	100-240V AC	45,000 Lu	IP67	7.2x 17.2x 13.39" (183.5x436.5x340mm)	11 kg	300W
LF70ES-4-15	15°	5500-6000K	100-240V	28,000 Lu	IP67	7.2x17.2x9.8" (183.5x436.5x250mm)	8.5 kg	200W
LF70ES-4-25	25°	5500-6000K	100-240V AC	28,000 Lu	IP67	7.2x 17.2x9.8" (183.5x436.5x250mm)	8.5 kg	200W
LF70ES-4-60	60°	5500-6000K	100-240V AC	28,000 Lu	IP67	7.2x 17.2x9.8" (183.5x436.5x250mm)	8.5 kg	200W
LF70ES-5-15	15°	5500-6000K	100-240V AC	21,000 Lu	IP67	7.2x 17.2x6.3" (183.5x436.5x 160mm)	5 kg	150W
LF70ES-5-25	25°	5500-6000K	100-240V AC	21,000 Lu	IP67	7.2x 17.2x6.3" (183.5x436.5x 160mm)	5 kg	150W
LF70ES-5-60	60°	5500-6000K	100-240V AC	21,000 Lu	IP67	7.2x 17.2x6.3" (183.5x436.5x 160mm)	5 kg	150W

Tower Lighting

LED Flood Lights



Vision X Light Tower Upgrade - VL-Pitmaster Kit

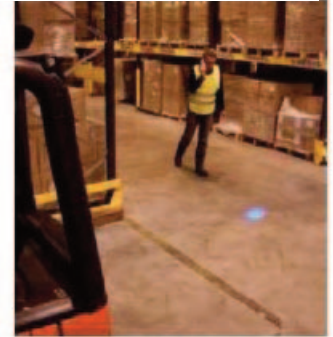
The Light Tower Upgrade is a direct bolt-on factory replacement kit. Designed with powder coated mild steel brackets this kit offers robust mounts with an easily adjustable aiming system. The VL-Pitmaster LED fixture illuminates a wide area with advanced optics resulting in outstanding light output.



Features

- Sharp-edged spot
- 10 Grms over 24 to 2000Hz
- EMC: ISO 12985, CISPR25
- Surge: 130V cont., 200V 100ms
- Dimensions (DxWxH): 4.84 x 4.291 x 5.197" (123 x 109 x 132mm)
- Weight: 2.2 lbs (1.0kg)

Applications: Forklifts



Part No.	Color	Beam	Voltage	Amps (12V)	Watts	IP Rating	Warranty
LED500BLUE	Blue	Spot	12-100V	0.2A	5W	IP68 / IP69K	5 Years
LED500RED	Red	Spot	12-100V	0.2A	5W	IP68 / IP69K	5 Years

Why Update to LED Lighting?

Our goal is to provide your operation with the best lighting solution to support your safety and productivity goals.

More light isn't always the best solution. Selecting the right fixtures, the right setup (orientation/tilt/mounting position) and ensuring these solutions are simple and repeatable is key.

Even a small percentage power usage reduction or extended light fixture service life can add up to big savings for your operation.

Matrix offers a free LED upgrade ROI analysis to support lighting upgrade decisions.

Mobile Equipment Lighting

Forklift and Perimeter Warning Lights



770 Series Material Handling LED Safety Light

The Model 770 BLUE and 770 RED represents a new way of thinking about visual safety devices. Traditional visual warning devices, such as strobes, are most effective when a pedestrian is able to see the fork lift coming toward them. The Model 770 projects a bright, highly concentrated blue beam pattern on the ground in the direction that the fork lift is moving.



Features

- Impact-resistant and corrosion-resistant polycarbonate lens and housing
- Low profile allows for mounting in tight spaces
- Dimensions (DxWxH): 3.46 x 5.68 x 5.4" (87.88 x 144.27 x 137.16mm)



Part No.	Color	Beam	Type	Voltage	Amps (12V)	IP Rating
770-BLU	Blue	Spot	Material Handling Safety Light	12-110V DC	0.50A	IP69K
770-RED	Red	Spot	Material Handling Safety Light	12-110V DC	0.50A	IP69K

EW2010 Material Handling Arrow LED Light

ECCO's EW2010 LED Pedestrian Arrows are designed specifically for material handling applications to provide a visual warning for pedestrians in the vicinity of mobile equipment. These lights are intended to supplement a 360° warning light by projecting a blue or red arrow onto the ground in front or to the rear of the vehicle.



Features

- Three 3-watt LEDs
- Blue or red arrow projection
- Pedestrian warning for material handling applications
- Aluminum heat-sink housing
- Polycarbonate lens

Part No.	Beam	Type	Voltage	Amps (12V)
EW2010B	Blue Arrow	Material Handling Safety Light	12-56V DC	0.6A
EW2010B	Red Arrow	Material Handling Safety Light	12-56V DC	0.6A

793 LED Safety Light

The J.W. Speaker 793 offers a whole new kind of "keep out" safety light. Offering the industry's only UL Recognized safety lights, the Model 793 is designed with three color configurations to create the best solution for each industry and application.



Features

- Lens: durable glass
- Pedestal mount
- Mating Connector: Deutsch DT06-2S with harness included with flying leads
- Surge: 330V Peak @ 1Hz - 100 Pulses
- Dimensions (DxWxH): 2.48 x 5.91 x 1.89" (63.0 x 150.0 x 48.0mm)
- Weight: 0.87 lbs (0.39kg)



Part No.	Beam	eLumens	rLumens	Voltage	Amps (12V)	IP Rating	Warranty
793B	Blue Line	110 Lu	496 Lu	12-110V DC	1.0A	IP67/IP69K	5 Years
793B	Amber Line	210 Lu	1113 Lu	12-110V DC	1.0A	IP67/IP69K	5 Years
793B	Red Line	317 Lu	1130 Lu	12-110V DC	1.6A	IP67/IP69K	5 Years

Mobile Equipment Lighting

Forklift and Perimeter Warning Lights



MATRIX

516 LED Headlight - Material Handling

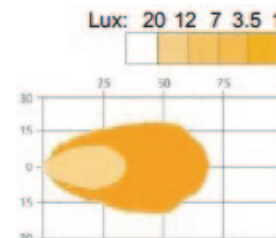
The Model 516 features a headlight, front position, and turn signal all in one. It measures only 1.6 inches deep to be a compact, bright, durable, and long-lasting lighting solution for forklifts.



Features

- Lens: durable glass
- Panel mount
- Dimensions: (DxWxH): 1.61 x 5.96 x 2" (40.89 x 151.38 x 50.80mm)
- Weight: 0.32 lbs (0.15kg)

Applications: Material handling and forklifts



Headlight Beam

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Protection	IP Rating
A516	Signalization - Front Position Signalization - Turn (Front) Signalization - Turn (Rear)	380 Lu	765 Lu	12-24V DC	0.34A	10-32V DC	IP67

527 Warning Zone Light

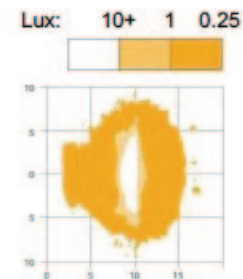
The J.W. Speaker 527 adds a new level of safety to surface mining and construction sites. It projects a large "Keep Out" zone of red light onto the ground to alert workers and vehicles to stay out of potentially hazardous work areas, such as the swing path a shovel or drag line bucket.



Features

- Lens: durable glass
- Xenon housing and universal trunnion mount
- Electrical Connection: integrated 2-Pin Deutsch Weatherproof Socket (DT04-2P)
- Surge: 150V Peak @ 1Hz-100 Pulses
- Dimensions: (DxWxH): 1.61 x 5.96 x 2" (40.89 x 151.38 x 50.80mm)
- Weight: 2.6 lbs (1.18kg)

Applications: Agriculture, construction, industrial, mining, trucks and buses



Warning "Keep Out" Zone (6m High at 0)

Part No.	Beam	eLumens	rLumens	Voltage	Amps (12V)	Watts	IP Rating	Warranty
527R	Red Zone	670 Lu	720 Lu	12-24V DC	0.85A	20W	IP69K	5 Years
527G	Green Zone	670 Lu	720 Lu	12-24V DC	0.85A	20W	IP69K	5 Years
527A	Amber Zone	670 Lu	720 Lu	12-24V DC	0.85A	20W	IP69K	5 Years
527W	White Zone	670 Lu	720 Lu	12-24V DC	0.85A	20W	IP69K	5 Years



Mobile Equipment Lighting

Portable Lights



Magnetic Rechargeable LED Work Lamp



The ECCO magnetic rechargeable LED work light features a high intensity 600 lumen flood beam and three operating modes (100% intensity, 30% intensity & SOS Dashing). This heavy-duty battery powered work light combines mobility with high performance and a compact design. The long-life lithium rechargeable battery allows the light to be operated for 3-4 hours before recharging is required.

Application: Flagging stations, roadside assistance and scene lighting

Features:

- Rechargeable Lithium Battery
- Charge time less than 7-hours
- Run time on battery is 3 to 4 hours
- Aluminum heat-sinking housing
- Stainless steel mounting bracket
- Polycarbonate lens
- Dual-color units - 5 modes (100% White, 30% White, 100% Amber or Red, Flash 4x or 2x)
- Dim (DxWxH): 3.9 x 4.5x7.7" (100 x 115 x 195mm)
- Weight : 1.27 lbs (0.77 kg)

Part No.	Description	Beam	eLumens	rLumens	Voltage	Amps (12V)	Watts	Warranty
EW2461-AUS	Work lamp, Clear, 240V AUS AC plug charger	Flood	600 Lu	650 Lu	12-24V	3.2A	15W	1 Year
EW2461CA-AUS	Work lamp, Clear/Amber, 240V AUS AC plug charger	Flood	600 Lu	650 Lu	12-24V	3.2A	15W	1 Year
EW2461CR-AUS	Work lamp, Clear/Red, 240V AUS AC plug charger	Flood	600 Lu	650 Lu	12-24V	3.2A	15W	1 Year
EW2461-NA	Work lamp, Clear, 110V US AC plug charger	Flood	600 Lu	650 Lu	12-24V	3.2A	15W	1 Year
EW2461CA-NA	Work lamp, Clear/Amber, 110V US AC plug charger	Flood	600 Lu	650 Lu	12-24V	3.2A	15W	1 Year
EW2461CR-NA	Work lamp, Clear/Red, 110V US AC plug charger	Flood	600 Lu	650 Lu	12-24V	3.2A	15W	1 Year
EW4003	Replacement DC cigarette socket charger	NA	NA	NA	NA	NA	NA	1 Year
EW4004	Replacement handle	NA	NA	NA	NA	NA	NA	1 Year

LED Warning Light

All purpose high-output multi-use signal light



Features:

- 200+ hours on 2 "D" batteries
- Magnet Mount Base Included
- Optional photocell operation for night time use
- 2 Operating modes: Dashing/steady burn
- Available in Amber, Clear, Green or Blue
- Optional handle (PSHDL)
- Dim (DxH): 5.75 x 4.5" (146 x 114mm)
- Warranty : 90 Days

Application: Roadside assistance and scene lighting

Part No.	Lens Color	Patterns	FPM	Mounting
PSLM2H-A	Yellow	Flash/Steady	60x3	Magnet
PSLM2H-C	White	Flash/Steady	60x3	Magnet
PSLM2H-G	Green	Flash/Steady	60x3	Magnet
PSLM2H-B	Blue	Flash/Steady	60x3	Magnet

Mobile Equipment Lighting

LED Heavy-Duty Work Lights



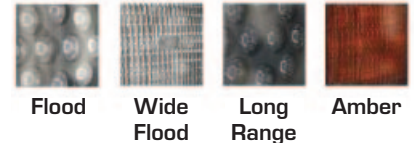
LED5000 Series

ABL LED5000 comes standard with the heavy-duty AVB bracket. Fixture shock and vibration resistance test results can be used to determine how capable a fixture is of enduring the 24/7 severe vibration experienced on heavy equipment. Shock resistance measures durability with short burst of vibratory energy. Vibration resistance measures durability over a range of vibration frequencies (Hz) over a period of time. Constant 24/7 severe vibration kills poor quality fixtures. Ask for both shock and vibration tests.

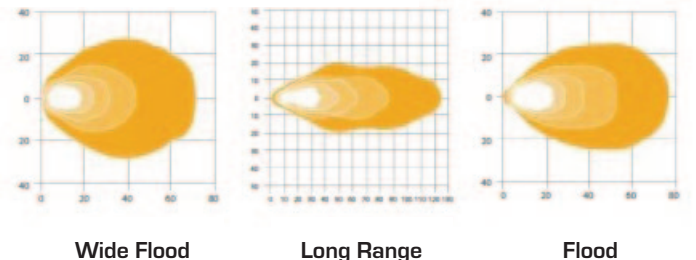
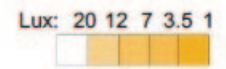
Features:



- Vibration: 30Grms @ 10-2000Hz
- AVB mount (std) 80G shock
- Dim. (DxWxH): 4.33 x 5.51 x 6.259" (110 x 140 x 159mm)
- Weight : 4.0 lbs (1.8kg)
- Lens: hardened glass
- EMC: ISO13766, 14982
- Surge: 110V cont, 200V 100ms



Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
LED5000F-MV	Flood	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years
LED5000WF-MV	Wide Flood	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years
LED5000LR-MV	Long Range	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years
LED5000A-24	Amber	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years
LED5000F-24	Flood	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years
LED5000WF-24	Wide Flood	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years
LED5000LR-24	Long Range	5000 Lu	6500 Lu	12-100V	2.4A	57W	IP68/69K	5 Years



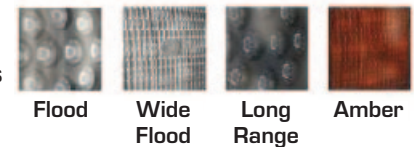
LED3000 Series

The ABL LED3000 has the same current draw as a HID Ballast work light (40W), yet it outputs by an impressive 3,000 effective lumens. *35% more effective lumens with no additional current draw!* Class-leading surge protection, protected lens and IP69K sealed electronics help provide superior vibration resistance.

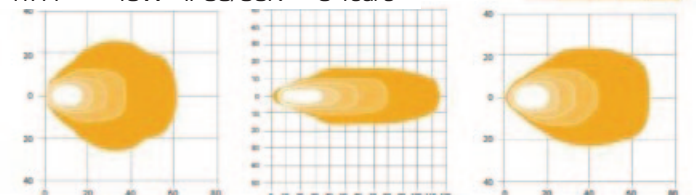
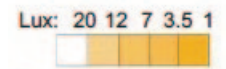
Features:



- Vibration: 30Grms @ 10-2000Hz
- AVB mount (std) 80G shock
- Dim. (DxWxH): 4.33x5.51x6.259" (110x 140x 159mm)
- Weight : 4.0 lbs (1.8kg)
- Lens: hardened glass
- Surge: 110V cont, 200V 100ms
- EMC: ISO13766, 14982



Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
LED3000F-MV	Flood	3000 Lu	4200 Lu	12-100V	1.7A	40W	IP68/69K	5 Years
LED3000WF-MV	Wide Flood	3000 Lu	4200 Lu	12-100V	1.7A	40W	IP68/69K	5 Years
LED3000LR-MV	Long Range	3000 Lu	4200 Lu	12-100V	1.7A	40W	IP68/69K	5 Years
LED3000A-24	Amber	N/A	N/A	12-100V	1.7A	40W	IP68/69K	5 Years
LED3000F-24	Flood	3000 Lu	4200 Lu	24V	1.7A	40W	IP68/69K	5 Years
LED3000WF-24	Wide Flood	3000 Lu	4200 Lu	24V	1.7A	40W	IP68/69K	5 Years
LED3000LR-24	Long Range	3000 Lu	4200 Lu	24V	1.7A	40W	IP68/69K	5 Years



Mobile Equipment Lighting

LED Heavy-Duty Work Lights



MATRIX

LED3000-500 Series

The ABL LED3000 in the 500 Series provides 3000 effective lumens from only 36W. This versatile, rugged work light provides the highest efficiency and durability in even the harshest operating conditions.



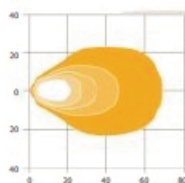
Features:

- Lens: hardened glass
- Pedestal and suspended mount options
- Dim (DxWxH): 4.33 x 5.51 x 6.259" (110 x 140 x 159mm)
- Flood Asymmetrical option available
- EMCIS13766, 14982, 12895 CISPR25
- Temperature: -40°C to +85°C
- Surge: 130V continuous, 200V 100ms
- Vibration: 15Grms @ 24-2000Hz
- Warm white 3500K available

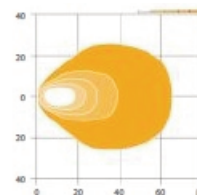
Application: Construction, mining, support vehicles, material handling, agriculture

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
LED3000-500F	Flood	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/69K	5 Years
LED3000-500WF	Wide Flood	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/69K	5 Years
LED3000-500LR	Long Range	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/69K	5 Years
LED3000-500FA	Asymmetrical Flood	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/69K	5 Years
LED3000-500F-VW	Warm White 3500K	2400 Lu	3000 Lu	12-100V	1.5A	36W	IP68/69K	5 Years
LED3000-500LR-VW	Long Range Warm White 3500K	2400 Lu	3000 Lu	12-100V	1.5A	36W	IP68/69K	5 Years
LED3000-500F-24	Flood	3000 Lu	3750 Lu	24V	1.5A	36W	IP68/69K	5 Years
LED3000-500F-24	Wide Flood	3000 Lu	3750 Lu	24V	1.5A	36W	IP68/69K	5 Years
LED3000-500F-24	Long Range	3000 Lu	3750 Lu	24V	1.5A	36W	IP68/69K	5 Years
LED3000-500F-24	Asymmetrical Flood	3000 Lu	3750 Lu	24V	1.5A	36W	IP68/69K	5 Years

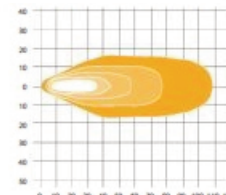
Lux: 20 12 7 3.5 1



Wide Flood



Long Range



Flood

LED2000 Series

ABL LED2000 in the 500 Series is available in 12-100V, 24V only, offers a direct substitution for your 35W HID Xenon work lights but with class-leading durability. The LED2000 had become a mobile fleet standard for haul-trucks around the world.



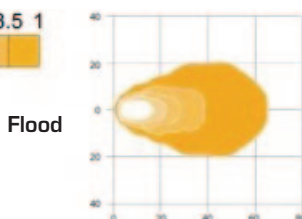
Features:

- Salt Spray : ISO 9227
- Lens: hardened glass
- Dim (DxWxH): 3.15 x 4.016 x 5.197" (80 x 102 x 132mm)
- Weight : 1.98 lbs (0.9kg)
- Shock: 60G
- Vibration: 15Grms @ 24-2000Hz
- Surge: 130V continuous, 200V 100ms
- Temperature: -40°C to +85°C
- EMC ISO 13766, 14982, CISPR25

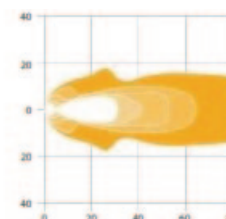
Application: Material handling, heavy equipment, mining, construction, agriculture, forestry, utility vehicles

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
LED2000F	Flood	2000 Lu	2500 Lu	12-100V	1.2A	28W	IP68/69K	5 Years
LED2000LR	Long Range	2000 Lu	2500 Lu	12-100V	1.2A	28W	IP68/69K	5 Years
LED2000F-24A	Flood	2000 Lu	2500 Lu	24V	1.2A	28W	IP68/69K	5 Years
LED2000LR-24A	Long Range	2000 Lu	2500 Lu	24V	1.2A	28W	IP68/69K	5 Years
LED2000AFP	Amber	N/A	N/A	12-100V	1.2A	28W	IP68/69K	5 Years

Lux: 20 12 7 3.5 1



Flood



Long Range

Mobile Equipment Lighting

LED Heavy-Duty Work Lights



623 Series

The J.W. Speaker 623 boasts a bright, high-output LED scene light. It is perfect for a wide range of uses, including mining equipment, light towers, and any application for which you need a vast amount of light.

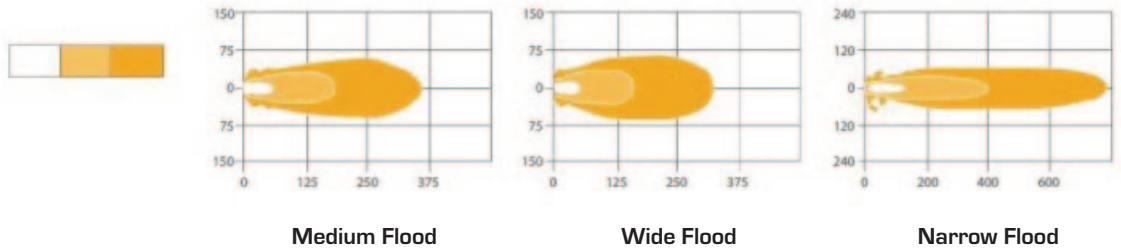


Features:

- Lens: hardened glass
- Electrical Connection: integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
- Surge: 150V Peak @ 1Hz-100 Pulses
- Dimensions (DxWxH): 3.50 x 19.63 x 8.52" (88.90 x 498.60 x 216.41mm)
- Weight: 18.0 lbs (8.16kg)

Application: Agriculture, construction, industrial, mining, railroad, specialty vehicles, trucks

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
623WF-24V	Wide Flood	20,000 Lu	40,000 Lu	16-60V DC	10A	240W	IP67	5 Years
623MF-24V	Medium Flood	20,000 Lu	40,000 Lu	16-60V DC	10A	240W	IP67	5 Years
623NF-24V	Narrow Flood	20,000 Lu	40,000 Lu	16-60V DC	10A	240W	IP67	5 Years



523 Series

The J.W. Speaker 523 8" x 9" LED Scene Light in the XL Series is tougher than your standard work lights, and outputs a powerful 8000 effective lumens. It features a yellow die-cast aluminum housing that is fully sealed to withstand high-power washing and extreme industrial environmental conditions (IP67 rating).

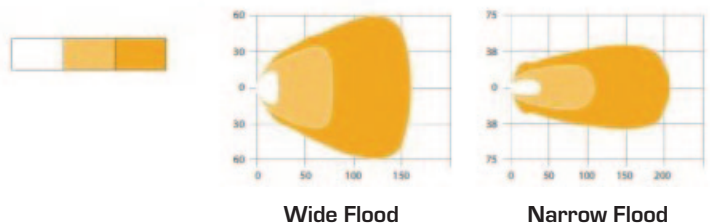


Features:

- Lens: hardened glass
- Electrical Connection: integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
- Dimensions (DxWxH): 3.50 x 9.99 x 6.99" (88.9 x 253.8 x 177.6mm)
- Weight: 6.72 lbs (3.05kg)

Application: Agriculture, construction, industrial, mining, railroad, specialty vehicles, trucks

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
523WF-24V	Wide Flood	3900 Lu	8100 Lu	12-24V DC	3.7A	92W	IP67	5 Years
523MF-24V	Medium Flood	3900 Lu	8100 Lu	12-24V DC	3.7A	92W	IP67	5 Years
523NF-24V	Narrow Flood	3900 Lu	8100 Lu	12-24V DC	3.7A	92W	IP67	5 Years



Mobile Equipment Lighting

LED Heavy-Duty Work Lights



526 (Anti-Glare) Series

The J.W. Speaker 526 in the XL Series is available in the traditional flood, trapezoid, and spot beam patterns, as well as an innovative new Anti-Glare beam pattern. Whereas conventional mining haul truck lights create unsafe glare which can blind oncoming vehicles, and angling them down impairs their effectiveness, the 526 anti-glare beam pattern has been engineered to maximize visibility without blinding oncoming vehicles.

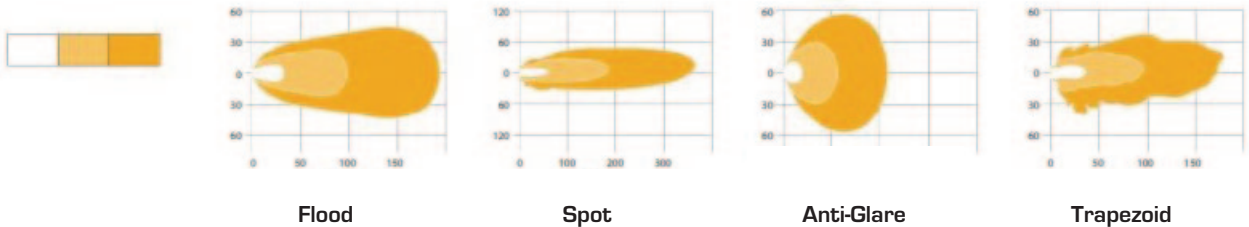


Features:

- Lens: polycarbonate
- Optional anti-glare beam pattern
- Electrical Connection: iCONN Connector - iMATE23
- Dimensions (DxWxH): 3.80 x 6.20 x 6.30" (96.9 x 158 x 160mm)
- Weight: 5.0 lbs (2.3kg)

Application: Construction, forestry, industrial, mining, railroad, specialty trucks

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
526F	Flood	5800 Lu	9000 Lu	10-32V DC	4.5A	108W	IP67	5 Years
526S	Spot	5800 Lu	9000 Lu	10-32V DC	4.5A	108W	IP67	5 Years
526AG	Anti-Glare	5800 Lu	9000 Lu	10-32V DC	4.5A	108W	IP67	5 Years
526T	Trapezoid	5800 Lu	9000 Lu	10-32V DC	4.5A	108W	IP67	5 Years



7150 Series

The J.W. Speaker 7150 is one of J.W. Speaker's brightest and toughest work lights. It is an excellent choice for applications where a high degree of visibility and durability is required. Cleaning the 7150 is easy, as it is sealed to IP69K for high-pressure washing.

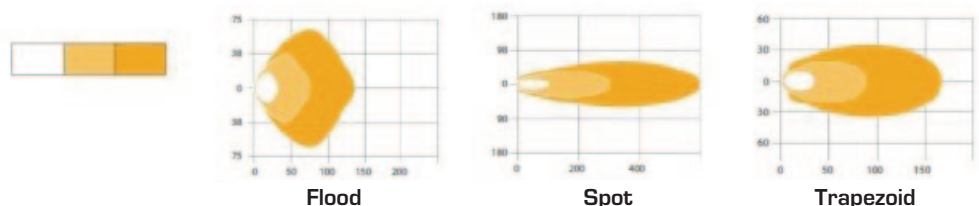


Features:

- Lens: polycarbonate
- Electrical Connection: integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
- Surge: 330V Peak @ 1Hz-100 Pulses
- Dimensions (DxWxH): 3.04 x 6.79 x 6.14" (77 x 172.5 x 156mm)
- Weight: 2.1 lbs (1.0kg)

Application: Construction, forestry, industrial, mining, railroad, specialty trucks

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
7150F	Flood	4500 Lu	5400 Lu	10-32V DC	3.25A	78W	IP67	5 Years
7150S	Spot	4500 Lu	5400 Lu	10-32V DC	3.25A	78W	IP67	5 Years
7150T	Trapezoid	4500 Lu	5400 Lu	10-32V DC	3.25A	78W	IP67	5 Years



Mobile Equipment Lighting

LED Heavy-Duty Work Lights



735 Series

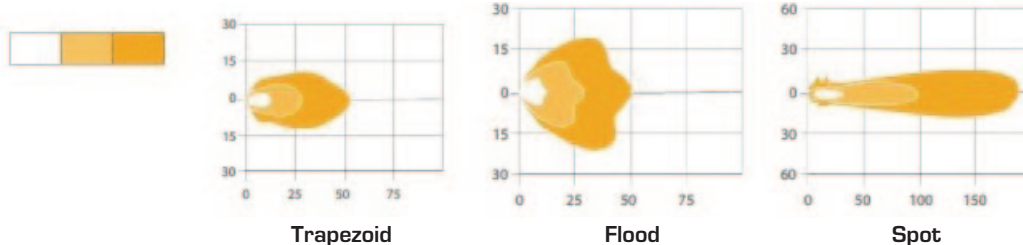
The J.W. Speaker 735 Series work lamp offers high performance optics, solid-state electronics, and die-cast aluminum housing making this lamp extremely resistant to shock, vibration, and corrosion.



Features:

- Lens: polycarbonate
- Housing : Die-cast Aluminum
- Universal Pedestal Mount
- Connector: Integrated DTO6-2P
- Dimensions (DxWxH): 2.6 x 5.68 x 5.4" (66 x 144 x 137mm)
- Weight: 1.55 lbs (0.7kg)

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
735S	Spot	2,600 Lu	3,900 Lu	12-24V	1.75A	42W	IP67	5 Years
735F	Flood	2,600 Lu	3,900 Lu	12-24V	1.75A	42W	IP67	5 Years
735T	Trapezoid	2,600 Lu	3,900 Lu	12-24V	1.75A	42W	IP67	5 Years



Pit Master 60

The Vision X Pit Master 60 is a 60 LED unit providing a direct 1-for-1 replacement for 800-1000W HPS lighting for a 70% reduction in power consumption while increasing output by 30%.



MXL-PMX60

MIL-PMX60

Features:

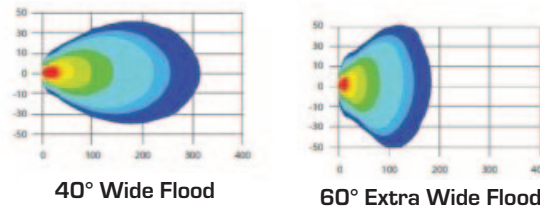
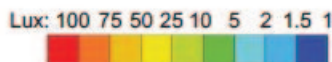
- MXL model features stainless steel bracket and hardware
- Shock: 60G
- Warm white 4300K option and high temperature glass lens available
- Dimensions (DxWxH): 6.87 x 15.07 x 11.54" (175 x 383 x 293mm)
- Weight: 26.5 lbs (12.0kg)

Application: Mining, heavy industry

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
MIL-PMX-6010	10° Narrow	22,200 Lu	31,680 Lu	11-65V	12.5A	300W	IP69K	3 Year / Ext
MIL-PMX-6040	40° Wide	22,200 Lu	31,680 Lu	11-65V	12.5A	300W	IP69K	5 Years
MIL-PMX-6060	60° Extra Wide	22,200 Lu	31,680 Lu	11-65V	12.5A	300W	IP69K	5 Years
MIL-PMX-6090	90° Xtreme Wide	22,200 Lu	31,680 Lu	11-65V	12.5A	300W	IP69K	5 Years
MIL-PMX-60E3065	30x65° Elliptical	22,200 Lu	31,680 Lu	11-65V	12.5A	300W	IP69K	5 Years

When Ordering:

Add MIL or MXL to specify model
(e.g. MXL-PMX6060 or MIL-PMX6060)



Mobile Equipment Lighting

LED Heavy-Duty Work Lights



Pit Master 30

The Vision X Pit Master 30 is a 30 LED unit providing a direct 1-for-1 replacement for 400-500W HPS lighting for a 70% reduction in power consumption while increasing output by 30%.



MXL-PMX30



MIL-PMX30

Features:

- MXL model features stainless steel bracket and hardware
- Shock: 60G
- Warm white 4300K option and high temperature glass lens available
- Dimensions (DxWxH): 4.94 x 11.96 x 7.52" (126 x 297x 191mm)
- Weight: 12.34 lbs (5.6kg)

Application: Mining, heavy industry

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	Warranty
MIL-PMX-3010	10° Narrow	11,100 Lu	15,840 Lu	11-65V	6.25A	150W	3 Year / Ext
MIL-PMX-3040	40° Wide	11,100 Lu	15,840 Lu	11-65V	6.25A	150W	3 Year / Ext
MIL-PMX-3060	60° Extra Wide	11,100 Lu	15,840 Lu	11-65V	6.25A	150W	3 Year / Ext
MIL-PMX-3090	90° Xtreme Wide	11,100 Lu	15,840 Lu	11-65V	6.25A	150W	3 Year / Ext
MIL-PMX-30E3065	30° or 65° Elliptical	11,100 Lu	15,840 Lu	11-65V	6.25A	150W	3 Year / Ext
MIL-PMX-30E3065-RED	30° or 65° Red	11,100 Lu	15,840 Lu	11-65V	6.25A	150W	3 Year / Ext

When Ordering: Add MIL or MXL to specify model (e.g. MXL-PMX6060 or MIL-PMX6060)

PMX-30HT Upgrade High Temp Glass Lens Upgrade

9131085	Surface Mount Bracket
9130996	Cobra Head Pole Mount Bracket
9131177	Hanging Mount Bracket

40° Wide Flood

60° Extra Wide Flood

Ripper 12

The Vision X Ripper 12 was designed for high vibration applications and was named after the ripper mount on a dozer. The Ripper provides a direct 1 for 1 replacement for HID lighting on vehicles.



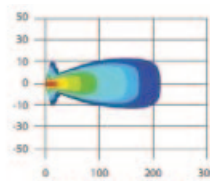
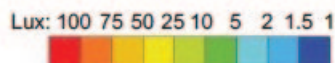
Features:

- Shock: 60G
- MXL Model features stainless steel bracket and hardware
- Dimensions (DxWxH): 4.05 x 4.72 x 6.93" (103 x 120 x 176mm)
- Weight: 5.6 lbs (2.5kg)

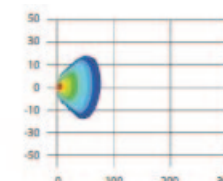
Application: Mining, heavy equipment

When Ordering: Add MIL or MXL to specify model (e.g. MXL-RXP-1225 or MIL-RXP-1225)

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
MIL-RXP-1225	25° Medium	3,575 Lu	6,336 Lu	11-65V	2.5A	60W	IP69K	3 Year / Ext
MIL-RXP-1240	40° Wide	3,575 Lu	6,336 Lu	11-65V	2.5A	60W	IP69K	3 Year / Ext
MIL-RXP-1260	60° Extra Wide	3,575 Lu	6,336 Lu	11-65V	2.5A	60W	IP69K	3 Year / Ext



10° Narrow Flood



60° Extra Wide Flood

Mobile Equipment Lighting

LED Work Lights



LED3000-500 Series

The ABL LED3000 in the 500 Series provides 3000 effective lumens from only 36W. This versatile rugged work light provides the highest efficiency and durability in even the harshest operating conditions.

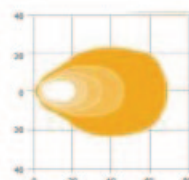
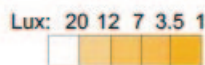


Features:

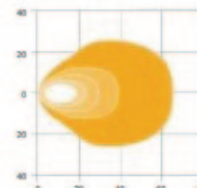
- Lens: hardened glass
- Dim. [DxWxH]: 3.15 x 4.016 x 5.197" [80 x 102 x 132mm]
- Weight : 1.98 lbs [0.9kg]
- Pedestal and suspended mount options
- Flood Asymmetrical option available
- EMCIS13766, 14982, 12895 CISPR25
- Temperature: -40C to +85C
- Surge: 130V continuous, 200V 100ms
- Vibration: 15Grms @ 24-2000Hz
- Shock: 60G
- Warm white 3500K available

Application: Construction, mining, support vehicles, material handling, agriculture

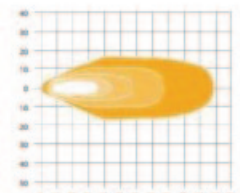
Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
LED3000-500F	Flood	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/IP69K	5 Years
LED3000-500WF	Wide Flood	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/IP69K	5 Years
LED3000-500LR	Long Range	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/IP69K	5 Years
LED3000-500FA	Asymmetrical Flood	3000 Lu	3750 Lu	12-100V	1.5A	36W	IP68/IP69K	5 Years
LED3000-500F-VW	Warm White 3500K	2400 Lu	3000 Lu	12-100V	1.5A	36W	IP68/IP69K	5 Years
LED3000-500LR-VW	Warm White 3500K	2400 Lu	3000 Lu	12-100V	1.5A	36W	IP68/IP69K	5 Years
LED3000-500F-24	Flood	3000 Lu	3750 Lu	24V only	1.5A	36W	IP68/IP69K	5 Years
LED3000-500WF-24	Wide Flood	3000 Lu	3750 Lu	24V only	1.5A	36W	IP68/IP69K	5 Years
LED3000-500LR-24	Long Range	3000 Lu	3750 Lu	24V only	1.5A	36W	IP68/IP69K	5 Years
LED3000-500FA-24	Asymmetrical Flood	3000 Lu	3750 Lu	24V only	1.5A	36W	IP68/IP69K	5 Years



Flood



Wide Flood



Long Range

LED2000 Series

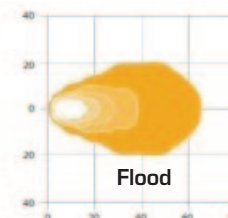
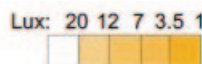
ABL LED2000 in the 500 Series is available in 12-100V 24V only, offers a direct substitution for your 35W HID Xenon work lights but with class leading durability. The LED2000 had become a mobile fleet standard for haul-trucks around the world.



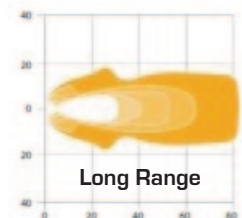
Features:

- Salt Spray : ISO 9227
- Lens: hardened glass
- Dim. [DxWxH]: 3.15 x 4.016 x 5.197" [80 x 102 x 132mm]
- Weight : 1.98 lbs [0.9kg]
- Vibration: 15Grms @ 24-2000Hz
- Shock: 60G
- EMC ISO 13766, 14982, CISPR25
- Surge: 130V continuous, 200V 100ms
- Temperature: -40°C to +85°C
- Warm White 3500K Available

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
LED2000F	Flood	2000 Lu	2500 Lu	12-100V	1.2A	28W	IP68/IP69K	5 Years
LED2000LR	Long Range	2000 Lu	2500 Lu	12-100V	1.2A	28W	IP68/IP69K	5 Years
LED2000F-24V	Flood	2000 Lu	2500 Lu	24V	1.2A	28W	IP68/IP69K	5 Years
LED2000LR-24V	Long Range	2000 Lu	2500 Lu	24V	1.2A	28W	IP68/IP69K	5 Years
LED2000AFP	Amber	N/A	N/A	12-100V	1.2A	28W	IP68/IP69K	5 Years



Flood



Long Range

Mobile Equipment Lighting

LED Work Lights



LED1200 Series

ABL LED1200 in the 500 Series is available in 12-200V DC, offers a direct substitution for your 24V 70W Halogen and 35W HID work light with unmatched performance and durability.

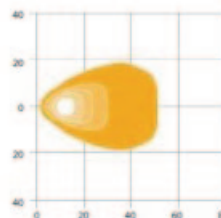
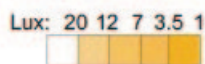


Features:

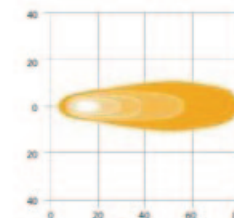
- Salt Spray : ISO 9227
- Lens: hardened glass
- Dim. (DxWxH): 3.15 x 4.016 x 5.197" (80 x 102 x 132mm)
- Weight : 1.98 lbs (0.9kg)
- Shock: 60G
- EMC ISO 13766, 14982, 12895, CISPR25
- Surge: 130V continuous, 200V 100ms
- Temperature: -40°C to +85°C
- Vibration: 15Grms @ 24-2000Hz

Application: Material handling, heavy equipment, mining, construction

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	Over-Voltage Protection	IP Rating	Warranty
LED1200F-1280	Flood	1200 Lu	1500 Lu	12-100V DC	0.82A	20W	130V Continuous	IP68/IP69K	5 Years
LED1200LR-1280	Long Range	2000 Lu	2500 Lu	12-100V	1.2A	28W	130V Continuous	IP68/IP69K	5 Years
LED1200AF-1280	Amber	2000 Lu	2500 Lu	24V	1.2A	28W	130V Continuous	IP68/IP69K	5 Years



Flood



Long Range

LED850 Gen2 Series

The LED850 Generation 2 is a 12-24V multi-volt LED work lamp offering a direct substitution for your Halogen. It is equipped with a patented LED-engine holding high-performance LEDs. To secure high output, performance and long life, a patented cooling system is used.



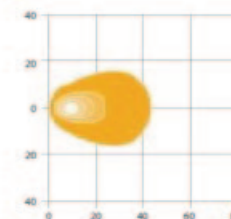
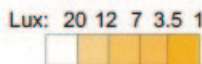
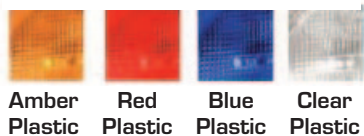
Features:

- Lens: hardened glass
- Dim. (DxWxH): 3.15 x 4.016 x 5.197" (80 x 102 x 132mm)
- Weight : 1.98 lbs (0.9kg)
- Vibration: 15Grms @ 24-2000Hz
- Shock: 60G
- EMC ISO 13766, 14982, 12895, CISPR25
- Surge: 36V continuous, 72V 100ms
- Temperature: -40°C to +85°C

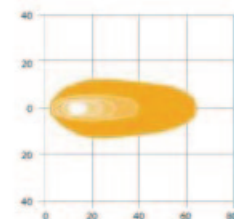
Application: Material handling, heavy equipment, mining, construction

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	Over-Voltage Protection	IP Rating	Warranty
LED850F-GEN2	Flood	850 Lu	1,100 Lu	12-24V multi	0.46A	11W	36V Continuous	IP68/IP69K	5 Years
LED850LR-GEN2	Long Range	850 Lu	1,100 Lu	12-24V multi	0.46A	11W	36V Continuous	IP68/IP69K	5 Years

LENS OPTIONS



Flood



Long Range

Mobile Equipment Lighting

LED Work Lights



LED SL850 Compact Series

The LED SL is the 500 Series, providing an attractive LED product for close range lighting needs. It features a very low consumption solution where high reliability and cost efficiency is required. Designed to replace 12V 55W work lamps. Exceptional output from a fixture that draws 11W.



Features:

- Lens: hardened glass (Std) and plastic lens, plastic cover optional
- EMC: ISO13766, 14982, 12895, CISPR25
- Surge: 36V continuous, 72V 100ms
- Weight : 1.0lbs (0.45kg)
- Dim. (DxWxH): 2.24 x 3.98 x 5.079" (57 x 101 x 129mm)
- Shock: 60G
- Vibration: 15Grms @ 24-2000Hz
- Surge: 36V continuous, 72V 100ms
- Temperature: -40°C to +85°C
- OEM Approved

Application: Service lighting, service vehicles, utility vehicles

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
SL850F-C	Flood	850 Lu	1,100 Lu	12-24V multi	0.46A	11W	IP68/IP69K	4 Years
SL850LR-C	Long Range	850 Lu	1,100 Lu	12-24V multi	0.46A	11W	IP68/IP69K	4 Years

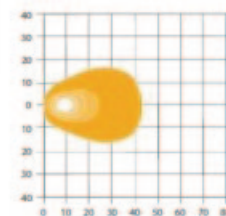
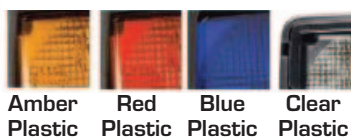
Replace: OEM ABL 500/ 501 Halogen Series 12V

500-12V – Caterpillar: 234-4328, 201-1423, 212-9347, 214-2968, 219-6483, 234-4327, 234-4328, 234-7727, 234-7729, 240-0102, 201-1422

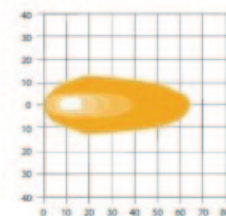
500-12V – Tigercat : AFO44, AF106

Lux: 20 12 7 3.5 1

LENS OPTIONS



Flood



Long Range

C700 LED850 Compact Series

The ABL C700 LED850 is a compact LED-powered work lamp in the C700 series by ABL Lights Group. This 11W version features 8 LED bulbs and pumps out an impressive 850 eLumens. This lamp exceeds everyday demands in all applications from handling equipment to heavy vehicles. The ABL C700 LED850 Compact is a direct replacement for the ABL 700 halogen work lamp, which uses a single 55W H3 bulb.

Features:

- Lens: hardened glass
- EMC: ISO 13766, 14982, 12985, CISPR25
- IP Rating : IP68, IP69K
- Dim. (DxWxH): 3.03 x 3.58 x 5.07" (77 x 91 x 129mm)
- 60G shock, 15Grms @ 24-2000Hz vibration
- Surge: 36V continuous, 72V 100ms
- Protected against reverse voltage
- Weight : 1.1 lbs (0.5kg)

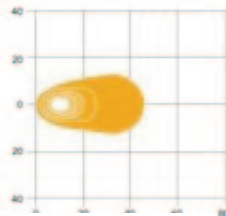


Application: Heavy equipment, mining, construction, road and utility equipment

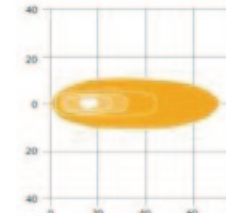
Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
C700-LED850-F	Flood	850 Lu	1,100 Lu	12-24V multi	0.46A	11W	IP68/IP69K	4 Years
C700-LED850-LR	Long Range	850 Lu	1,100 Lu	12-24V multi	0.46A	11W	IP68/IP69K	4 Years

Replace: ABL 700-12

Lux: 20 12 7 3.5 1



Flood



Long Range

Mobile Equipment Lighting

LED Work Lights



C700 LED850 Compact Series

The ABL C700 LED1200 is the 16W version of the C700 series of LED-powered work lamps by ABL Lights Group. This lamp features 8 LED bulbs and pumps out an impressive 1200 effective Lumens. Through stringent engineering and testing practices, ABL ensures the highest efficiency and durability in even the harshest operating conditions. The ABL C700 LED1200 Compact is a direct replacement for the ABL 700 halogen work lamp, which uses a single 70W H3 bulb.



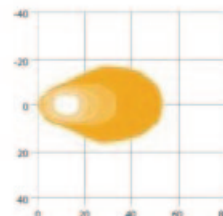
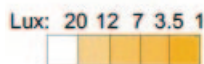
Features:

- Lens: hardened glass
- EMC: ISO 13766, 14982, 12985, CISPR25
- IP Rating : IP68, IP69K
- Dim. [DxWxH]: 3.03 x 3.58 x 5.07" [77 x 91 x 129mm]
- 60G shock, 15Grms @ 24-2000Hz vibration
- Surge: 36V continuous, 72V 100ms
- Protected against reverse voltage
- Weight : 1.1 lbs [0.5kg]

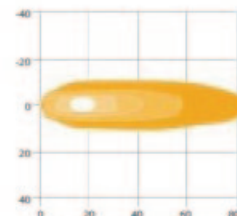
Application: Heavy equipment, mining, construction, road and utility equipment

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
C700-LED1200-F	Flood	1200 Lu	1500 Lu	12-24V multi	0.66A	16W	IP68/IP69K	4 Years
C700-LED1200-LR	Long Range	1200 Lu	1500 Lu	12-24V multi	0.66A	16W	IP68/IP69K	4 Years

Replace: ABL 700-24



Flood



Long Range

1100 LED1200 Compact Series

This ABL 12-24V DC multi-volt work light is the 15W version of the new LED-powered 1100 series work lamps by ABL Lights. These lights replace the 1100 & 1130 Series 3 x 5" Halogens that are sold by the millions. Same form, fit and function except with the durability of ABL LEDs.



Features:

- Lens: hardened glass
- IP Rating: IP68, IP69K
- EMC: ISO 13766, 14982, 12985, CISPR25
- Dim. [DxWxH]: 2.79 x 6.18 x 3.74+ " [71 x 157 x 95+mm]
- 60G shock, 15Grms @ 24-2000Hz vibration
- Mounting: pedestal, suspended
- Weight : 1.98 lbs [0.9kg]

Application: Heavy equipment, mining, construction, road and utility equipment

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
1100-LED1200-F	Flood	1200 Lu	1500 Lu	12-24V multi	0.625A	15W	IP68/IP69K	4 Years

Replace : 1100 Series Halogen 1H Case, CAT

Replace : OEM ABL Halogens

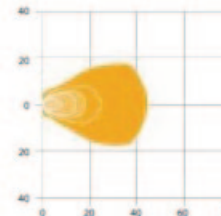
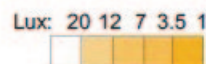
1130-12V – Caterpillar: 9Z-7324, 105-8070, 205-9976, 242-3520, 242-3522

1130-12V – John Deere: RE48989, RE51076, RE61164, RE61165, RE61201, F309105

1130-24V – Caterpillar: 112-9378, 135-5549, 164-5499, 242-3514, 242-3517, 242-3518, 242-3519

1130-24V – John Deere: AT 152017

1130-12V – Case: 178345A1, 308604A1, 327300A1, 335942A1, 398846A3, 398847A3, 430504A1, 430505A1, 430506A1, 432446A1, 73158750, 865155123, 87317577, 87388518, 87435762, 87435763, 87435764, 87435765, 87435766, 87435767, 87558381, 87658393, 92269C1, 9703036, BN324749, BN66131



Flood

Mobile Equipment Lighting

LED Work Lights



1100 LED2000 Compact Series

This ABL work light is the 25W version of the new LED-powered 1100 series work lamps by ABL Lights. This lamp features a shock rating of 60G, a vibration rating of 15Grms @ 24-2000Hz, and high ingress protection rating of IP68 and IP69K. The ABL 1100 LED2000 Compact is a direct replacement for the ABL 1500 3x5 twin-beam halogen work lamp, with the output to match Xenon HID work lamps.



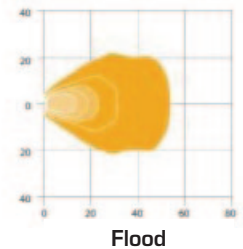
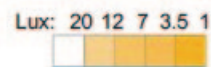
Features:

- Lens: hardened glass
- IP Rating: IP68, IP69K
- EMC: ISO 13766, 14982, 12985, CISPR25
- Dim. (DxWxH): 2.79 x 6.18 x 3.74+”
[71 x 157 x 95+mm]
- 60G shock, 15Grms @ 24-2000Hz vibration
- Mounting: pedestal, suspended
- Surge: 36V cont., 58V 100ms
- Weight: 1.98 lbs (0.9kg)

Application: Heavy equipment, mining, construction, road and utility equipment

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
1100-LED2000-F	Flood	2000 Lu	2500 Lu	12-24V multi	1.04A	25W	IP68/IP69K	4 Years

Replace: 1500 Series Halogen,
Case 431025A1, 87615233



1100 LED2000 Compact Series

This ABL work light is the 25W version of the new LED-powered 1100 series work lamps by ABL Lights. This lamp features a shock rating of 60G, a vibration rating of 15Grms @ 24-2000Hz, and high ingress protection rating of IP68 and IP69K. The ABL 1100 LED2000 Compact is a direct replacement for the ABL 1500 3x5 twin-beam halogen work lamp, with the output to match Xenon HID work lamps.

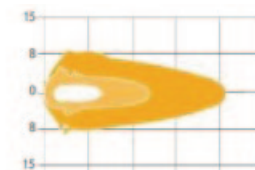


Features:

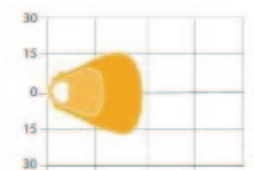
- Lens: Polycarbonate
- Housing : Polycarbonate
- Universal Pedestal Mount
- Dim. (DxWxH): 2.24 x 5.67 x 5.4”
[56.90 x 144.02 x 137.16mm]
- Surge: 330V Peak @ 1Hz - 100 pulses
- Connector: DTO4-2P or PE12015792
- Amber: Warning - Flashing
- Weight : 0.54 lbs (0.24kg)

Application: Agriculture, construction, industrial, material handling, mining, off-road 4x4. railroad, specialty vehicles, trucks

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
770F	Flood	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years
770T	Trapezoid	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years
770S	Spot	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years



Trapezoid



Flood

Mobile Equipment Lighting

LED Work Lights



771XD LED Work Light

Functionally identical to the J.W. Speaker Model 770 XD, the Model 771 XD is available in DC configuration and comes in your choice of beam patterns. It features a polycarbonate housing and lens for maximum protection.



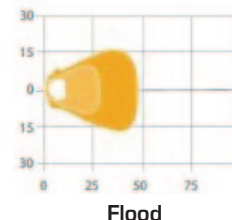
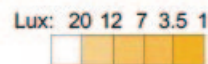
Features:

- Lens: Polycarbonate
- Housing : Polycarbonate
- Universal Pedestal Mount
- Dim. (DxWxH): 2.01 x 3.92 x 7.1" [51.05 x 99.57 x 180.34mm]
- Surge: 330V Peak @ 1Hz - 100 pulses
- Connector: DT04-2P
- Amber: Warning - Flashing
- Weight : 0.84 lbs [0.38kg]

Application: Agriculture, construction, industrial, material handling, mining, off-road 4x4. railroad, specialty vehicles, trucks



Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
771F	Flood	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years
770S	Spot	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years
770FV	Vertical Flood	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years
771FV	Flood Amber	700 Lu	900 Lu	12-48V DC	1.0A	12W	IP67	5 Years



DURALUX SERIES

The Vision X Duralux Series utilizes 5W LEDs for combined distance and intensity providing high light output and outshining 100W halogen fixtures. It features die-cast aluminum housing, and a weatherproof professional-grade Deutsch Connector. Options include 10°, 40°, and 60° with the 10° option suitable for on-road and utility vehicles, while the wider angle optics are praised by the industrial industry.

Duralux 6

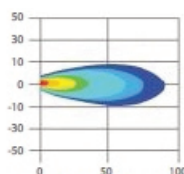


Features:

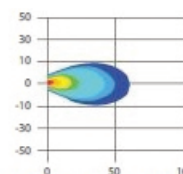
- Lens: Polycarbonate
- Housing : Die-cast Aluminum
- 6 x 5W LEDs
- Dim. (DxWxH): 2.01 x 3.92 x 7.1" [51.05 x 99.57 x 180.34mm]
- 10°, 40°, 60°, 90° options
- Available in kits
- CISPR25
- Weight: 2.1 lbs [0.95kg]

Application: Mining, high vibration applications

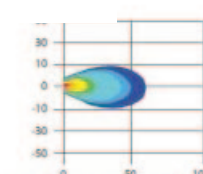
Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
DURA640	40° Wide	2,220 Lu	3,168 Lu	11-65V	1.25A	30W	IP69K	3 Years Ext
DURA660	60° Wide	2,220 Lu	3,168 Lu	11-65V	1.25A	30W	IP69K	3 Years Ext



40° Wide Flood



60° Extra Wide Flood



Mobile Equipment Lighting

LED Work Lights



Duralux 4

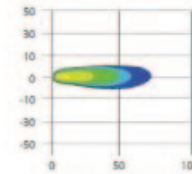
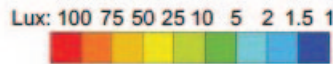


Features:

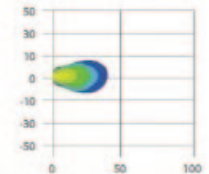
- Lens: Polycarbonate
- Housing : Die-cast Aluminum
- 4 x 5W LEDs
- Dim. (DxWxH): 2.57 x 3.93 x 4.25" [65.3x99.8x 107.9mm]
- 10°, 40°, 60°, 90° options
- Available in kits
- CISPR25
- Weight: 1.5 lbs [0.68kg]

Application: Construction & utility vehicles

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
DURA440	40° Wide	1,480 Lu	2,112 Lu	11-65V	0.83A	20W	IP69K	3 Years Ext
DURA460	60° Wide	1,480 Lu	2,112 Lu	11-65V	0.83A	20W	IP69K	3 Years Ext



40° Wide Flood



60° Extra Wide Flood

Dura Mini

The DURA Mini weighs in at under one pound and stands 2.75" tall yet outputs 2,000 raw lumens (950 effective). Although small in size, the DURA Mini has no issue being put to work. The Industrial die-cast aluminum housing gives it the strength it needs to keep working day in and day out.

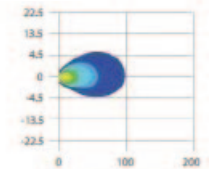


Features:

- Lens: Polycarbonate
- Housing : Die-cast Aluminum
- 60° beam pattern
- Dim. (DxWxH): 2.01 x 3.92 x 7.1" [51.05 x 99.57 x 180.34mm]
- CISPR25
- Weight : 0.88 lbs [0.4kg]

Application: On-road and off-road vehicles

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
VX-DURA-M460	60° Extra-wide	950 Lu	2000 Lu	9-32V	0.5A	12W	IP69K	3 Years Ext



60° Extra Wide Flood

Mobile Equipment Lighting

LED Work Lights



Solstice Prime 7

Solstice Prime 7 is a 6 inch round unit by Vision X featuring 7 x 10W LEDs.

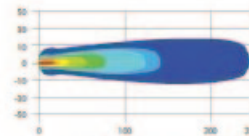
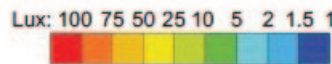


Features:

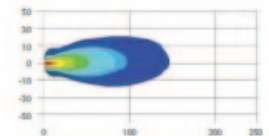
- Prime Drive ETM (Electronic Thermal Management)
- Trunnion Bracket
- Die-Cast Aluminum Housing
- Vibration: 15.6 Grms
- Dim. (DxWxH): 7.17 x 6.89 x 3.17”
[182 x 175 x 81mm]
- Weight : 4.52 lbs (2.05kg)

Application: Mobile off-road equipment

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
MIL-SP720	20° Narrow	5155 Lu	7364 Lu	11-65V	5.8A	70W	IP69K	3 Years Ext
MIL-SP740	40° Narrow	5155 Lu	7364 Lu	11-65V	5.8A	70W	IP69K	3 Years Ext



20° Narrow Flood



40° Medium Flood

Solstice Prime 5

Solstice Prime 5 is a 4 inch round unit by Vision X featuring 5 x 10W LEDs.

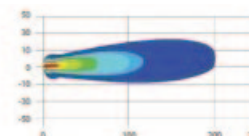
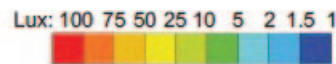


Features:

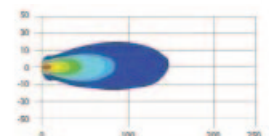
- Prime Drive ETM (Electronic Thermal Management)
- Trunnion Bracket
- Die-Cast Aluminum Housing
- Vibration: 15.6 Grms
- Dim. (DxWxH): 5.83 x 4.92 x 3.11”
[148 x 125 x 79mm]
- Weight : 3.09 lbs (1.4kg)

Application: Mobile off-road equipment

Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
MIL-SP520	20° Narrow	3682 Lu	5260 Lu	11-65V	4.17A	50W	IP69K	3 Years Ext
MIL-SP540	40° Narrow	3682 Lu	5260 Lu	11-65V	4.17A	50W	IP69K	3 Years Ext



20° Narrow Flood



40° Medium Flood

Mobile Equipment Lighting

LED Work Lights



Solstice Solo

Vision X compact 10W LED for universal applications

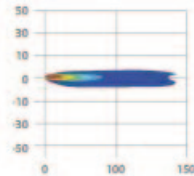
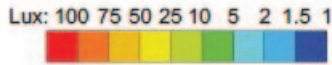


Features:

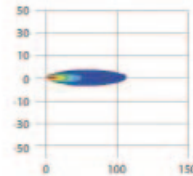
- Available Beam Patterns : 10°, 30°, 60°, 30°/65°
- OmniLink Interlocking System
- Die-cast housing
- Mount Options: Flush, Handle, Handlebar

Application: Mining, high-vibration applications

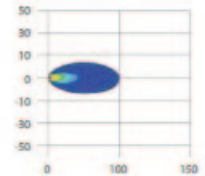
Part No.	Beam	eLumens	rLumens	Voltage	Amps (24V)	Watts	IP Rating	Warranty
XIL-S1110	10° Narrow	736 Lu	1052 Lu	9-48V	0.83A	10W	IP69K	3 Years Ext
XIL-S1130	30° Narrow	736 Lu	1052 Lu	9-48V	0.83A	10W	IP69K	3 Years Ext
XIL-S1160	60° Narrow	736 Lu	1052 Lu	9-48V	0.83A	10W	IP69K	3 Years Ext
X IL-S11e3065	30°/60° Elliptical	736 Lu	1052 Lu	9-48V	0.83A	10W	IP69K	3 Years Ext



10° Narrow Flood



30° Medium Flood



60° Wide Flood

Mobile Equipment Lighting

HID/Xenon Work Lights



500 Series Xenon HID Worklamp

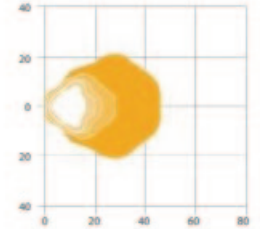
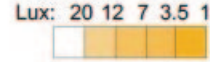
The ABL Xenon HD 500 Series work light is one of the most compact, powerful Xenon HID lights available. With 3-axis vibration dampeners and an integrated ballast, the Xenon HD is designed for heavy-duty applications. Xenon/HID simulates daylight giving the most consistent light patterns for your operators.



Features:

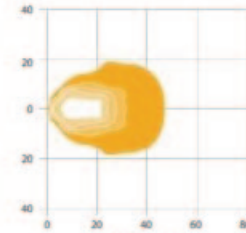
- Vibration: 15 Grms over 24 to 2000Hz
- Available with AVB (anti-vibration bracket)
- EMC: ISO 13 766, 14 982
- Salt Spray : ISO 9227
- Dim. (DxWxH): 5.905 x 4.094 x 5.118" (150 x 104 x 130mm)
- Weight : 2.2 lbs (1.0kg)
- Replacement Parts: Bulb: AD1S-OG5, Ballast 12V: ABAL-12V-G50-KIT, Ballast 24V: ABAL-24V-G50-KIT

Application: Construction, mining, industrial

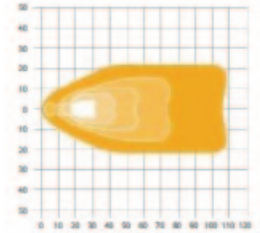


Flood

Part No.	Beam	eLumens	Voltage	Amps	Watts	IP Rating
500-X12F35IB	Flood	2,200Lu	12V	3.6A @ 12V	35W	IP69K
500-X12F35IB	Long Range	2,200Lu	12V	3.6A @ 12V	35W	IP69K
500-X12F35IB	Trapezoid	2,200Lu	12V	3.6A @ 12V	35W	IP69K
500-X24F35IB	Flood	2,200Lu	24V	1.8A @ 24V	35W	IP69K
500-X24F35IB	Long Range	2,200Lu	24V	1.8A @ 24V	35W	IP69K
500-X24F35IB	Trapezoid	2,200Lu	24V	1.8A @ 24V	35W	IP69K



Trapezoid



Long Range

9720 Xenon HID Worklight

The JW Speaker 4" x 6" Oval HID [high-intensity discharge] Work light 24V features three beam patterns from which to choose, durable glass lens and an impact-resistant nylon housing. For many years the 9720 has set the heavy-duty standard with its unique vibration dampening base.

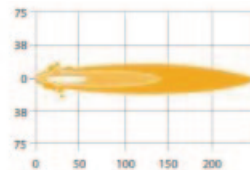


Features:

- Lens: durable glass
- Universal Pedestal Mount
- Dim (DxWxH): 6.41x6.15x8" (162.8x 156.2x203.2mm)
- Bulb Life: 2,500 to 4,000 hrs
- Dim. (DxWxH): 5.905 x 4.094 x 5.118" (150 x 104 x 130mm)
- Replacement Parts: Bulb: AD1S-OG5, Ballast 12V: ABAL-12V-G50-KIT, Ballast 24V: ABAL-24V-G50-KIT

Application: Construction, mining, industrial

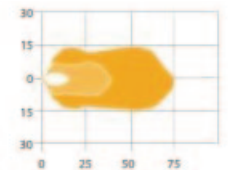
Part No.	Beam	eLumens	Voltage	Amps	Watts	IP Rating
9720S	Spot	2200 Lu	24V	DC 1.59A	35W	IP68
9720F	Flood	2200 Lu	24V	DC 1.59A	35W	IP68
9720T	Trapezoid	2200 Lu	24V	DC 1.59A	35W	IP68



Spot



Flood



Trapezoid

Mobile Equipment Lighting

HID/Xenon Work Lights



Xenon D1S / Metal Halide Ballasts

The Osram D1 ballast unit for the 12V and 24V supply voltage has been specially developed for D1 systems. It is smaller and more compact than conventional D2 ballast units, as the igniter has now been removed from the ballast unit and integrated into the lamp itself.



Features:

- Overall size and weight reduced by nearly 50%
- Reverse polarity protected and over voltage lock out
- Dimensions (D x W x H): 0.7 x 3.2 x 2.9" 18x82 x 73mm)

Part No.	Description
ABAL-12V-G50	Xenarc Gen5 Ballast 12V Osram, Blst Only
ABAL-12V-G50-KIT	Xenarc Gen5 Ballast 12V Osram Conv. Kit includes DC Adaptor & Bulb-Blst Harness
ABAL-24V-G50	Xenarc Gen5 Ballast 24V Osram, Blst Only
ABAL-24V-G50-KIT	Xenarc Gen5 Ballast 24V Osram Conv. Kit includes DC Adaptor & Bulb-Blst Harness

Xenon Bulbs D1S and D2S

The D1S / D2S system produces 91 lumens per watt for comparable halogen sources.



Features:

- More light to work with
- Improved spread from side to side
- Improved foreground illumination
- Improved down the road illumination
- Bulb Life: ~2,500+ hrs
- Color Temperature: Osram ~4,200K

Part No.	Description
AD2S-0	D1S Bulb 12-24V 35W Osram - ABL Only (#66142)
AD1S-0G5	D1S Bulb 12-24V 35W Osram (#66144)