



MOST POPULAR

LED Lighting For Mobile Equipment



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www.MatrixTeam.com

Forklift Warning Lights

500 LED Blue/Red Flood Lights



Forklift Warning Light



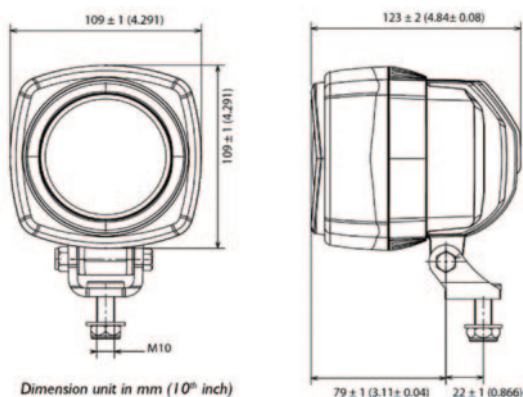
The 500 LED series work lights are designed to exceed everyday demands in all applications. This specific Blue or Red version of Matrix's LED worklight range ensures a visible sharp-edged warning signal on the floor for an increased safety environment. This makes it ideal for handling equipment such as forklifts operating in warehouses, stores, storerooms, packing and despatch, etc. A forklift warning light adds a high visibility safety element, which increases safety in the work environment.

Features:

- Offers a premium safety beam of blue light that produces a distinct visible warning signal on the floor for an increased safety environment
- Designed for inside and outside usage
- Meets IP69K water tightness requirements
- Delivers premium sharp blue spot light optics
- Consumes 5W power
- Includes 12 to 100V multi-volt feature
- Heavy-duty housing achieves IP68 to IP69K, ISO 9227 ratings
- Specific Blue or Red version of the LED worklight range
- Ensures a visible sharp-edged warning signal on the floor
- Increases safety in the work environment
- Provides high visibility safety element for handling equipment such as forklift

Application:

Handling equipment such as forklifts



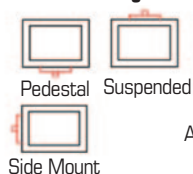
Dimension unit in mm (10⁻² inch)

Technical Specifications

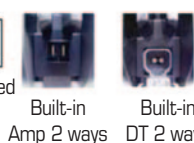
Bulb	LED Blue, LED Red
Life Time	20,000 Hours
Light Pattern	Sharp Edged Spot
Consumption	5W
Voltage	Multi 12-100V
Intensity	0.2 Amp @ 24V
Weight	1.0 Kg
Vibration Resistance	10 Grms from 24Hz to 2000Hz
EMC	SO 12 895
Load Dump	130V continuous 200V 100 ms 1800V 50 ms
Polarity	No Polarity
Water Tightness	IP68 - IP 69K
Operating Temp	-40°C to +85°C
Salt Spray	ISO 9227
Lens	PC Lens
Warranty	5 Years



Mounting



Connections



Optopms



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

Mobile Equipment LED Lighting

Heavy-Duty Work Lights

500 LED2000 Series



500 LED is a new multi-volt [12-24V | 12-80V | 24V Only] LED work lamp offering a direct substitution for your 12V 55W & 24V 70W Halogen and 35W HID. It is equipped with a patented LED-engine holding high performance LEDs. To secure high output, performance and long life time, a patented cooling system is used. 500 LED meets the demands of the heavy equipment industry.

Features:

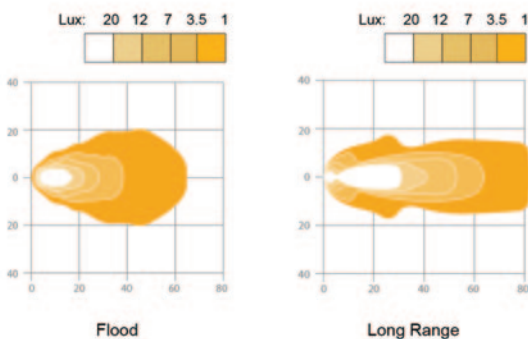
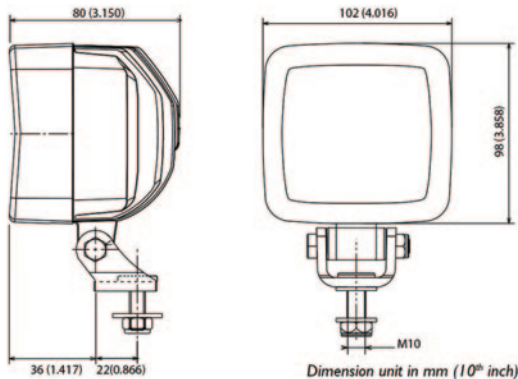
- 6 LEDs produce 2000 effective lumens from 28W
- Pedestal and suspended mounting options
- IP68, IP69K rating
- 15Grms @ 24-2000Hz Vibration and 60G Shock rating
- Available in Flood and Long-Range

Applications:

Material handling, heavy equipment, mining, construction, agriculture, forestry, utility vehicles, marine

Technical Specifications

Bulb	6 LED - 2000 Lumen
eLumens (effective)	2000 Lu
rLumens (raw)	2500 Lu
Life Time	5 years
Color Temperature	6000°K
Light Pattern	Flood, Long Range
Consumption	28W
Voltage	Multi 12-100V
Intensity	1.2 Amp @ 24V
Weight	0.9 Kg
Vibration Resistance	15 Grms from 24 to 2000Hz
Shock Resistance	60 G
EMC	SO 13 766 - ISO 14 982 - ISO 12 895
Load Dump	130V continuous 200V 100 ms 1800V 50 ms
Polarity	No Polarity
Electronic Thermal Management	Full output @ +35°C ambient 20% dimmed @ +50°C ambient
Water Tightness	IP68 - IP 69K
Operating Temp	-40°C to +85°C
Salt Spray	ISO 9227
Lens	Hardened glass
Connection	Built-in DT02 receptacle with harness
Reflector	Free form reflector
Warranty	5 Years



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

Mobile Equipment LED Lighting

Heavy-Duty Work Lights

500 LED3000 Series



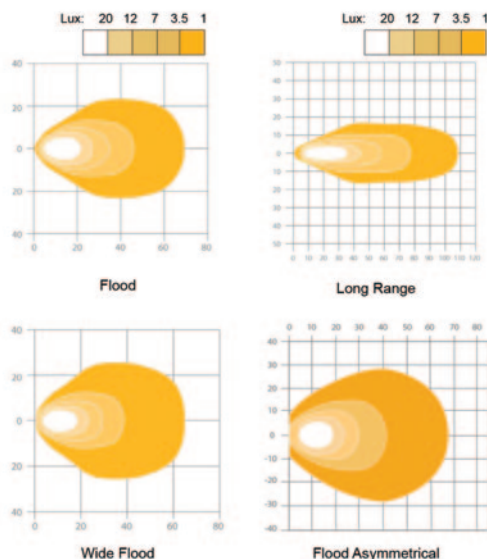
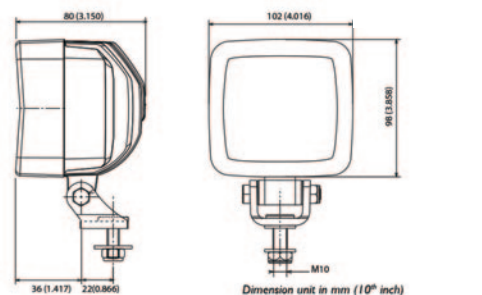
The 500 LED series work lights are designed to exceed everyday demands in all applications. Through stringent engineering and testing practices, we ensure the highest efficiency and durability in even the harshest operating conditions. This series also includes a flood asymmetrical light pattern dedicated to applications where close range and extra wide angles are needed.

Features:

- 6 LEDs produce 3000 effective lumens from 36W
- Pedestal and suspended mounting options
- IP68, IP69K rating
- 15Grms @ 24-2000Hz Vibration and 60G Shock rating
- Available in Wide Flood, Flood, Long Range and Flood Asymmetrical

Applications:

Heavy equipment, mining, construction, agriculture, forestry, material handling, utility vehicles



Technical Specifications

Bulb	6 LED - 3000 Lumen
eLumens (effective)	3000 Lu
rLumens (raw)	3750 Lu
Life Time	5 years
Color Temperature	6000°K
Light Pattern	Wide Flood, Flood, Long Range, Flood Asymmetrical
Consumption	36W
Voltage	Multi 12-100V or 24V only
Intensity	1.5 Amp @ 24V
Weight	0.9 Kg
Vibration Resistance	15 Grms from 24 to 2000Hz
Shock Resistance	60 G
EMC	SO 13 766 - ISO 14 982 - ISO 12 895
Load Dump	130V continuous 200V 100 ms 1800V 50 ms
Polarity	Protected against reverse voltage
Electronic Thermal Management	Full output @ +35°C ambient 20% dimmed @ +50°C ambient
Water Tightness	IP68 - IP 69K
Operating Temp	-40°C to +85°C
Salt Spray	ISO 9227
Lens	Hardened glass
Connection	Built-in DT02 receptacle with harness
Mount	Pedestal, suspended
Reflector	Multi lens system
Warranty	5 Years

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

Mobile Equipment LED Lighting

Heavy-Duty Work Lights

LED5000 Series



The 2500 Series ABL (5"x5") Halogen work lamps have long been the OE standard for a wide variety of heavy equipment. The ABL LED5000 draws 2.4A at 24V (57W) yet outputs an impressive 5,000 effective lumens. 2.5 times more effective lumens than your standard HID Xenon work lamp. Class leading surge protection, protected lens and IP69K sealed electronics make this a superior low draw, high output rugged work light.

Features:

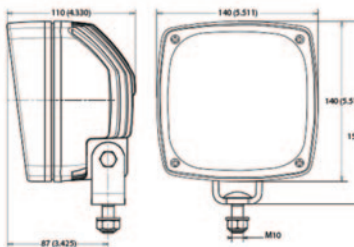
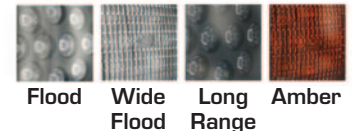
- 5,000 effective lumens from only 57W
- Available in 12-100V DC multi or 24V only
- AVB heavy-duty bracket as standard provides 30Grms over 10-2000Hz vibration rating and 80G shock rating
- IP68, IP69K Ingress Protection (IP Rating)



**5YR
WARRANTY**

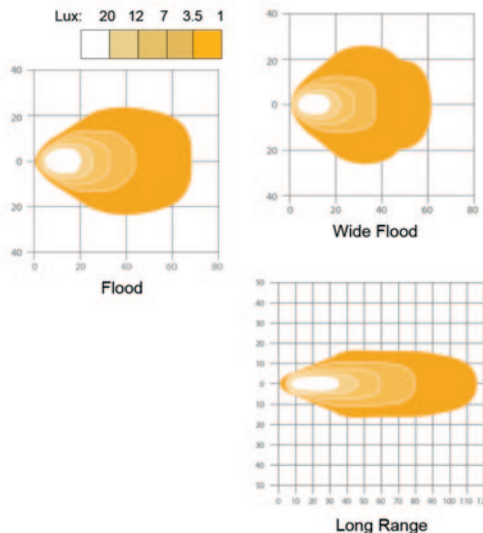
Applications:

High-vibration heavy equipment, construction, forestry, agriculture



Technical Specifications

Type	10 LEDs
eLumens (effective)	5000 Lu
rLumens (raw)	6500 Lu
Colour Temperature	6000°K
Beam Pattern	Flood, Wide Flood, Long Range, Amber
Voltage	12-100V DC multi, 24V only option
Current Draw	2.4A @ 24V
Wattage	57W
Surge Protection	110V continuous, 200V 100ms, 1800V 50µs
Polarity	Protected against reverse voltage
Operating Temperature	-40°C to +85°C
Vibration	30Grms over 10-2000Hz
Shock	80G
Salt Spray	ISO 9227
IP Rating	IP68, IP69K
EMC	ISO 13766 (Earthmoving Equipment), ISO 14982 (Forestry/Agricultural), ISO 12985
Electrical Connection	Built-in AMP 2 ways, Built-in DT 2 ways (Deutsch)
Electronic Thermal Management	Full output @ +35°C ambient, 25% dimmed @ +50°C ambient
Lens	Hardened glass, impact protected
Housing	Aluminium alloy
Mount	Pedestal, suspended
Reflector	Multi lens system
Weight	4.0 lbs (1.8kg)
Dimensions (DxWxH)	4.33x5.51x6.25" (110x140x159mm)



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

