GBT GLOBAL
GROUND BREAKING TOOLS

LED Lighting for Extreme Conditions

Mining - Construction - Marine - Agriculture - Heavy Equipment - Wide Area

JAMESON
A SPARTACO COMPANY

GBT GLOBAL
GROUND BREAKING TOOLS

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Contents

Jameson LED Extreme Duty Lights

JLite Equipment Lights

Jameson StringLight

XD-9

Compact Extreme Duty Lighting
Highest Shock Handling Capabilities

The XD-9 is sized for integration into smaller areas.

- 9 LEDs
- Extreme Vibration Durability And Shock Handling
- Compact Housing For Small Areas
- Housing is Type III Gray Anodized Aluminum for Corrosion Protection (Mil-A-8625)
- Corrosion Resistant Stainless Steel Mounting Bracket and Hardware
- IP69K Waterproof Rated (High Pressure, High Temperature Spray, and Dust Ingress)
- Withstands 50G HALT Testing
- Gold Plated Circuit Board and Connector Contacts for Electrical Properties and Corrosion Resistance
- Advanced Thermal Management
- Reverse Polarity (Inverted Wiring) Protection
- Dimensions: 3.9" X 3.9" X 2.65"   (99 mm X 99 mm X 67.3mm)
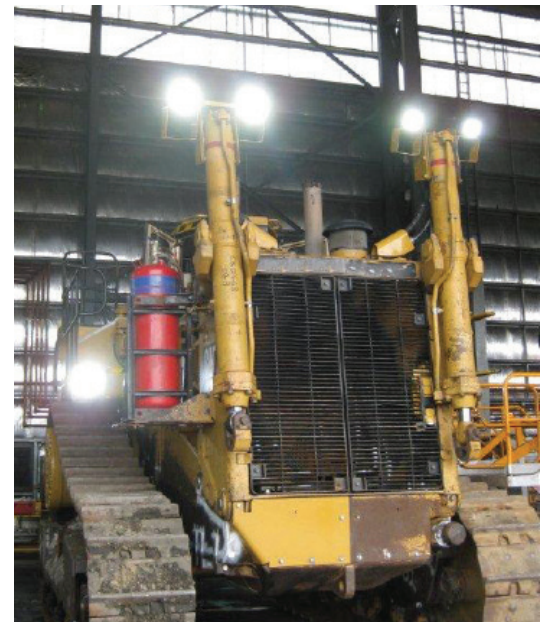
Two-bolt XD-Lock™ mounting system isolates lamp housing from mounting bracket for high frequency vibration dampening.

Zero Warm Up Time - Instant On

Flicker Free Light

Versatile Mounting and Tilt Options

Less Power Consumption and More Light than HID's

Long Life

Superior Hot and Cold Temperature Performance

Power	35W	45W
Operating Voltage	10-32VDC or 18-32VDC	10-32VDC or 18-32VDC
Raw Lumens	4,200	4,780
Effective Lumens	3,500	4,000
Current @28VDC	1.3A	1.6A
Current @14VDC	2.5A	3.2A
Lifetime (hrs)	50,000	50,000

Trunnion Style	Double w/ XD-Lock™
Weight with Polycarbonate Lens	1.95 lb (885kg)
Weight with Borosilicate Lens	2.01 lb (912kg)
Tilt Angles	-40° to +20°
Operating Temperature	-75°C to +90°C

XD-9

Part Numbers and Options

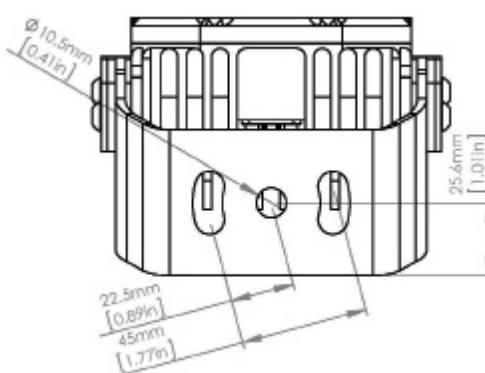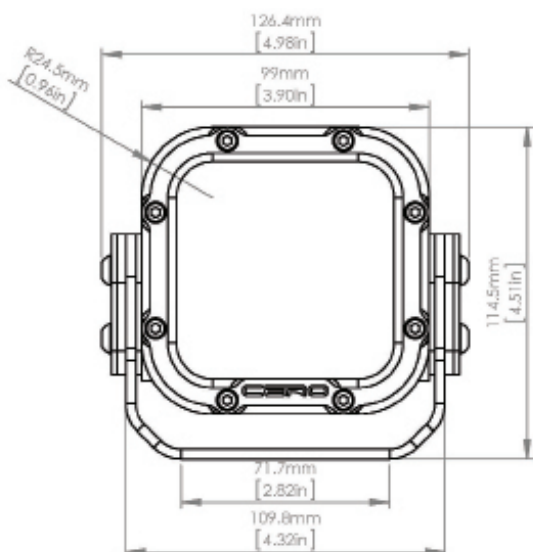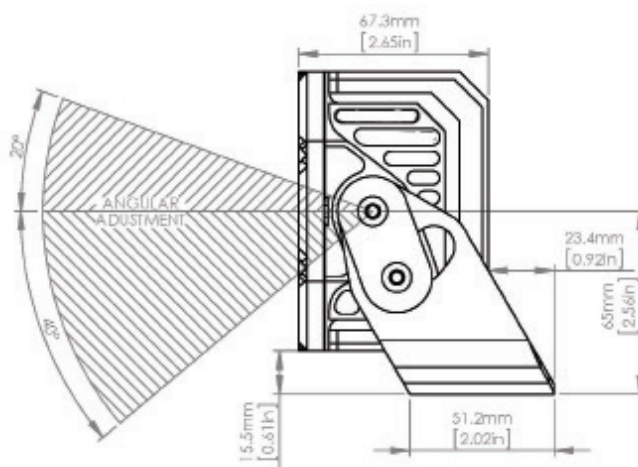Below is a chart to identify the part number for a light built to your specifications.

Example: part number **XD09D04510NGDW:**

XD-9 Light with Deutsch Connection, 45W, 10-32VDC, Natural White LED Color, Borosilicate Glass Lens, Double Trunnion Mount, and Wide Beam

XD09	D		045		10		N		G		D		W	
	Connection		**Power (Watts)**	**Input Voltage**		**LED Color**		**Lens**		**Mount Style**		**Beam Pattern**		
XD9	D	Deutsch Style	45 35	10	10-32VDC	N	Natural White	G	Borosilicate Glass	D	Double Trunnion	S	Spot	
				18	18-32VDC			P	Polycarbonate Plastic			M	Medium	
												V	Vertical Elliptical	
												H	Horizontal Elliptical	
												W	Wide	
	For Custom Configurations, Contact Customer Service											T	Trapezoid	

Anti-Theft Hardware Used On XD-9 Bracket and Trunnion To Prevent Removal Of Light Without Unique Driver Tool (Sold Separately)	
Part Number	Anti-Theft Hardware and Driver
ATH-KIT-DT	Anti-theft Hardware Kit for XD-9 and XD-16. Contains One Each: M10 x 30mm Bolt, M10 Nut, and Four M6 x 20mm Bolts
DRVR-KIT-DT	Driver Kit For Installation/Removal Of Anti-Theft Hardware. Contains One Each: Driver for M10 Bolt, Driver for M6 Bolt, Socket for M10 Nut

XD-16

Extreme Duty Lighting
Highest Shock Handling Capabilities

Designed for extremely rugged environments requiring high shock handling, the XD-16 provides the most light output of any similarly sized lamp with the highest vibration handling capability.

Over two years of testing went into making the XD-16 the ultimate work light featuring lens isolation, and the revolutionary XD-Lock™ system.

- 16 LEDs

- Large Amount of Area Light - Projects 300+ Meters

- Extreme Vibration Durability And Shock Handling

- Housing is Type II Black Anodized Aluminum for Corrosion Protection (Mil-A-8625)

- Corrosion Resistant Stainless Steel Mounting Bracket and Hardware

- IP69K Waterproof Rated (High Pressure, High Temperature Spray, and Dust Ingress)

- Withstands 50G HALT Testing

- Gold Plated Circuit Board and Connector Contacts for Electrical Properties and Corrosion Resistance

- Advanced Thermal Management

- Reverse Polarity (Inverted Wiring) Protection

- Dimensions: 4.5" X 4.5" X 2.8"   (114.3 X 114.3mm X 71.12mm)

Two-bolt XD-Lock™ mounting system isolates lamp housing from mounting bracket for high frequency vibration dampening.

FCC Compliant

Zero Warm Up Time - Instant On
Flicker Free Light
Versatile Mounting and Tilt Options
Less Power Consumption and More Light than HID's
Long Life
Superior Hot and Cold Temperature Performance

Power	85W	55W	35W
Operating Voltage	10-32VDC or 18-32VDC		
Raw Lumens	8,640	7,080	5,160
Effective Lumens	7,240	5,910	4,320
Current @28VDC	3.0A	2.0A	1.3A
Current @14VDC	6.1A	3.9A	2.5A
Lifetime (hrs)	50,000	50,000	50,000

Trunnion Style	Double w/ XD-Lock™
Weight with Polycarbonate Lens	3.04 lb (1.35kg)
Weight with Borosilicate Lens	3.11 lb (1.38kg)
Tilt Angles	-40° to +20°
Operating Temperature	-75°C to +90°C

XD-16

Part Numbers and Options

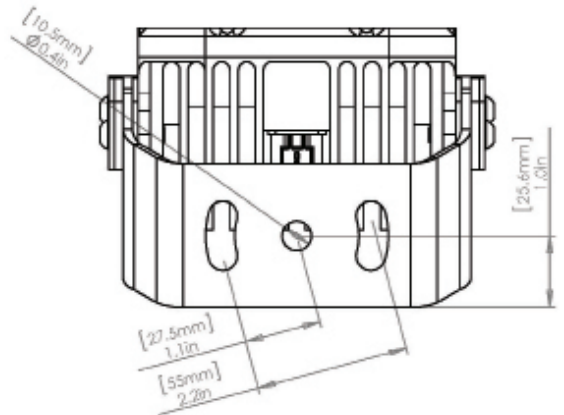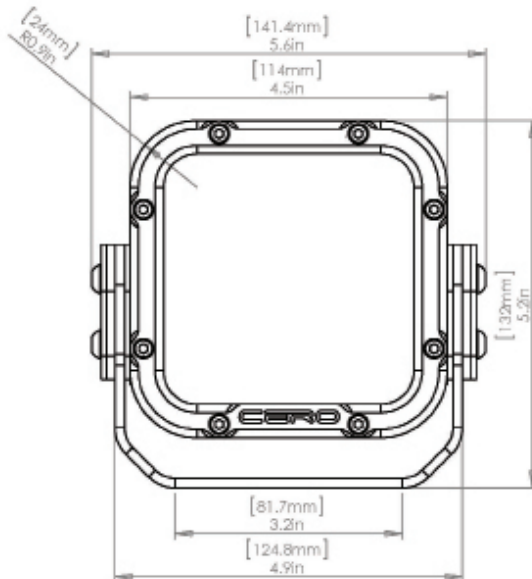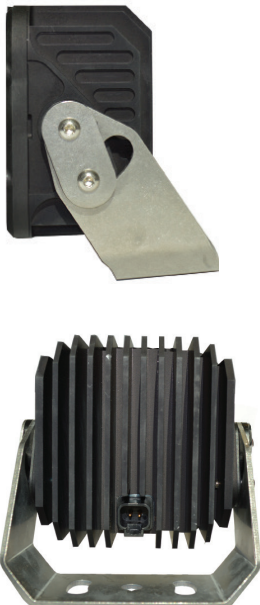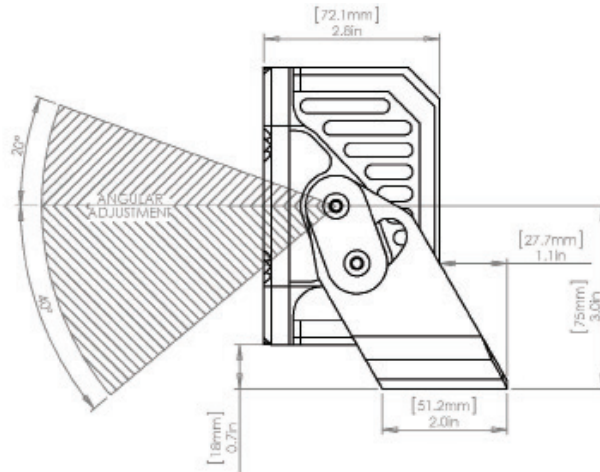Below is a chart to identify the part number for a light built to your specifications.
Example: part number **XD16D08510NGDW:**
XD16 Lamp with Deutsch Connection, 85W, 10-32VDC, Natural White LED Color, Borosilicate Glass Lens, Double Trunnion Mount, and Wide Beam Pattern.

XD16		D		085		10		N		G		D		W	
		Connection		**Power (Watts)**		**Input Voltage**		**LED Color**		**Lens**		**Mount Style**		**Beam Pattern**	
XD16	D	Deutsch Style	85	NW	10	10-32VDC	N	Natural White	G	Borosilicate Glass	D	Double Trunnion	S	Spot
	M	Amphenol	55	NW	18	18-32VDC	A	Amber	P	Polycarbonate Plastic			M	Medium
			35	NW			R	Red Orange					V	Vertical Elliptical
			25	AM RO									H	Horizontal Elliptical
		For Custom Configurations, Contact Customer Service											W	Wide
													T	Trapezoid

Anti-Theft Hardware Use On XD-16 Bracket and Trunnion To Prevent Removal Of Light Without Unique Driver Tool (Sold Separately)	
Part Number	Anti-Theft Hardware and Driver
ATH-KIT-DT	Anti-theft Hardware Kit for XD-9 and XD-16. Contains One Each: M10 x 30mm Bolt, M10 Nut, and Four M6 x 20mm Bolts
DRVR-KIT-DT	Driver Kit For Installation/Removal Of Anti-Theft Hardware. Contains One Each: Driver for M10 Bolt, Driver for M6 Bolt, Socket for M10 Nut

HD-32

High Power Flood Light with 32 LEDs
Heavy Duty Shock Handling Capabilities

Ideal for large tracked equipment requiring smooth, high-contrast lighting in a large area, the HD-32 withstands high vibration while providing perimeter and angle lighting.

For applications with little or no air flow, it features dual-zone thermal management to monitor and cool the left and right sides independently.

When replacing quartz halogen lamps, there is a drastic reduction in energy consumption. In many cases, the HD-32 can replace a 1000W filament lamp and reduce power consumption by more than 80% while offering 50% more light.

- 32 LEDs

- Illuminates Large Perimeter

- Angled Lighting

- High Vibration Durability And Shock Handling

- Housing is Type II Black Anodized Aluminum for Corrosion Protection (Mil-A-8625)

- Corrosion Resistant Stainless Steel Mounting Bracket and Hardware

- IP69K Waterproof Rated (High Pressure, High Temperature Spray, and Dust Ingress)

- Gold Plated Circuit Board and Connector Contacts for Electrical Properties and Corrosion Resistance

- Two Independent Electrical Circuits

- Advanced Dual Zone Thermal Management Maintains Optimum Temperature If Cooling Is Obstructed

- Reverse Polarity (Inverted Wiring) Protection

- Dimensions: 8" X 4.9" X 2.7"
  (203.2 mm X 124.46 mm X 68.58 mm)

Zero Warm Up Time - Instant On
Flicker Free Light
Versatile Mounting and Tilt Options
Less Power Consumption and More Light than HID's
Long Life
Superior Hot and Cold Temperature Performance

Power	170W	110W	70W
Operating Voltage	10-32VDC or 18-32VDC		
Raw Lumens	15,560	13,560	9,500
Effective Lumens	12,300	10,700	7,500
Current @28VDC	6.1A	3.9A	2.5A
Current @14VDC	12.3A	7.9A	5.0A
Lifetime (hrs)	50,000	50,000	50,000

Trunnion Style	Double
Weight with Polycarbonate Lens	5.13 lb (2.28kg)
Weight with Borosilicate Lens	5.29 lb (2.35kg)
Tilt Angles	-40° to +20°
Operating Temperature	-75°C to +90°C

HD-32

Part Numbers and Options

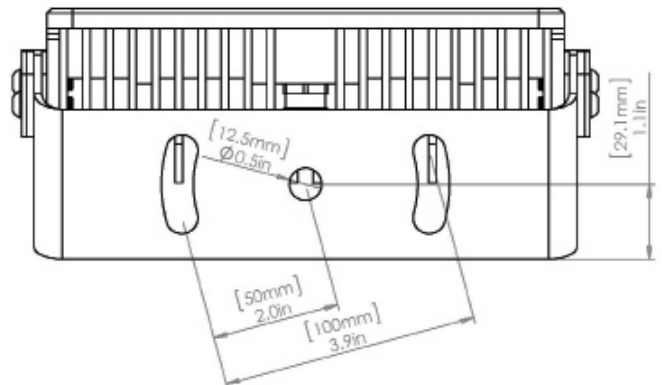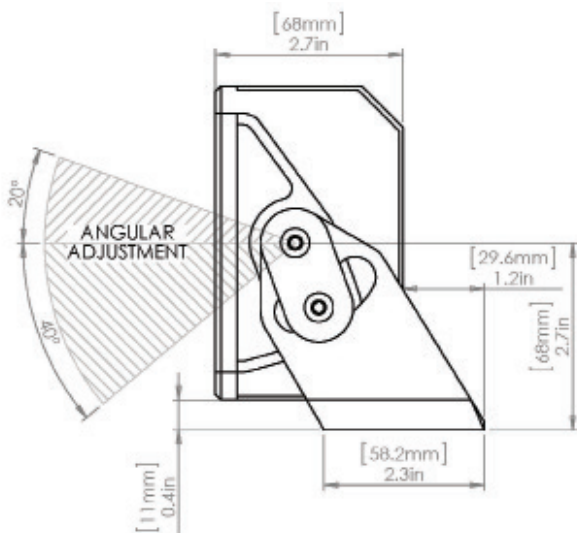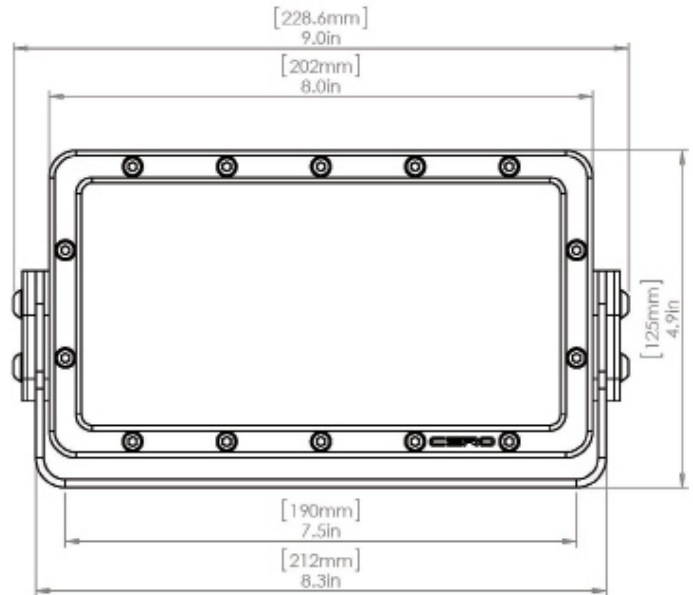Below is a chart to identify the part number for a light built to your specifications.

Example: part number **HD32C17010NGDW**:

HD-32 Light with Cable Gland, 170W, 10-32VDC, Natural White LED Color, Borosilicate Glass Lens, Double Trunnion Mount, and Wide Beam

HD-32		C		170		10		N		G		D		W

	\multicolumn{2}{c}{Connection}	Power		Input Voltage		LED Color		Lens		Mount Style		Beam Pattern	

	D	Deutsch Style	170	NW	10	10-32VDC	N	Natural White	G	Borosilicate Glass	D	Double Trunnion	S	Spot
	C	Cable Gland	110	NW	18	18-32VDC	A	Amber	P	Polycarbonate Plastic			M	Medium
HD32			70	NW			R	Red Orange					V	Vertical Elliptical
			50	AM RO									W	Wide
	\multicolumn{12}{c}{For Custom Configurations, Contact Customer Service}			T	Trapezoid

Iso board option available for marine vessel applications.

[228.6mm] 9.0in

[202mm] 8.0in

[125mm] 4.9in

[190mm] 7.5in

[212mm] 8.3in

[68mm] 2.7in

ANGULAR ADJUSTMENT

20°

40°

[29.6mm] 1.2in

[68mm] 2.7in

[58.2mm] 2.3in

[11mm] 0.4in

[29.1mm] 1.1in

[12.5mm] Ø0.5in

[50mm] 2.0in

[100mm] 3.9in

HD-80

Heavy Duty Flood Light with 80 LEDs

Our most powerful LED flood light, the HD-80 is designed to withstand the harshest environments.

Recommended for perimeter and angle illumination, the double trunnion bracket offers 90 degrees of tilt (70° down and 20° up). The chassis sits forward of the base for 70 degrees of downward tilt without beam cutoff from the bracket.

The 415 watt model outperforms the typical 1,000 watt metal halide or sodium lamps while consuming less than half the power, greatly decreasing the cost of energy to operate the machine.

Recommended for shovels, draglines, and marine applications.

- 80 LEDs
- Illuminates Large Perimeter
- Housing is Type II Black Anodized Aluminum for Corrosion Protection (Mil-A-8625)
- Corrosion Resistant Stainless Steel Mounting Bracket and Hardware
- IP69K Waterproof Rated (High Pressure, High Temperature Spray, and Dust Ingress)
- Gold Plated Circuit Board and Connector Contacts For Electrical Properties and Corrosion Resistance
- Advanced Thermal Management
- Reverse Polarity (Inverted Wiring) Protection
- Dimensions: 19.5" X 6.5" X 3.0"
  (496 mm X 165 mm X 77 mm)

Zero Warm Up Time - Instant On
Flicker Free Light
Versatile Mounting and Tilt Options
Less Power Consumption and More Light than HID's
Long Life
Superior Hot and Cold Temperature Performance

Power	415W	270W
Operating Voltage	20-32VDC or 90-277VAC*	
Raw Lumens	42,660	31,600
Effective Lumens	33,480	24,800
Current @28VDC	14.8A	9.7A
Lifetime (hrs)	50,000	50,000

Trunnion Style	Double
Weight with Polycarbonate Lens	15.88 lb (7.06kg)
Weight with Borosilicate Lens	16.40 lb (7.29kg)
Tilt Angles	-40° to +20°
Operating Temperature	-75°C to +90°C

HD-80

Below is a chart to identify the part number for a light built to your specifications.

Example: part number **HD80C41518NGDW**

HD-80 Light with Cable Gland, 415W, 18-32VDC, Natural White LED Color, Borosilicate Glass Lens, Double Trunnion Mount, and Wide Beam

HD80	C	4 15	18	N	G	D	W

	Connection		Power (Watts)	Input Voltage		LED Color		Lens		Mount Style		Beam Pattern	
HD80	**C**	Cable Gland With Deutch Connector	**415**	**18**	18-32VDC	**N**	Natural White	**G**	Borosilicate Glass	**D**	Double Trunnion	**S**	Spot
			270	**AC**	90-277VAC	**WW**	Warm White	**P**	Polycarbonate Plastic			**M**	Medium
			125			**A**	Amber					**W**	Wide
												H	Horizontal Elliptical
For Custom Configurations, Contact Customer Service													

AC version for marine applications
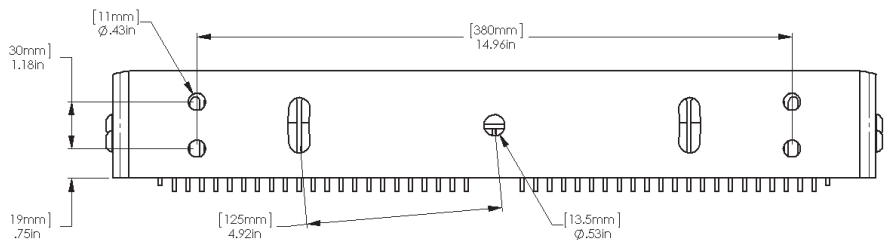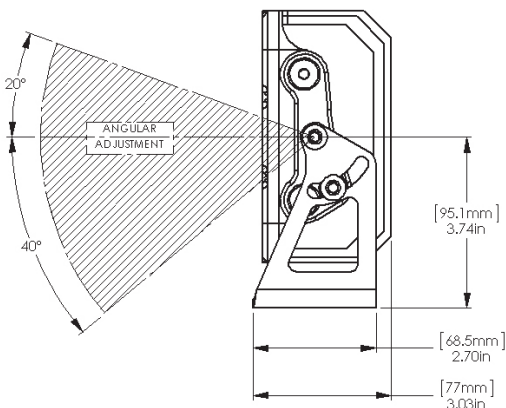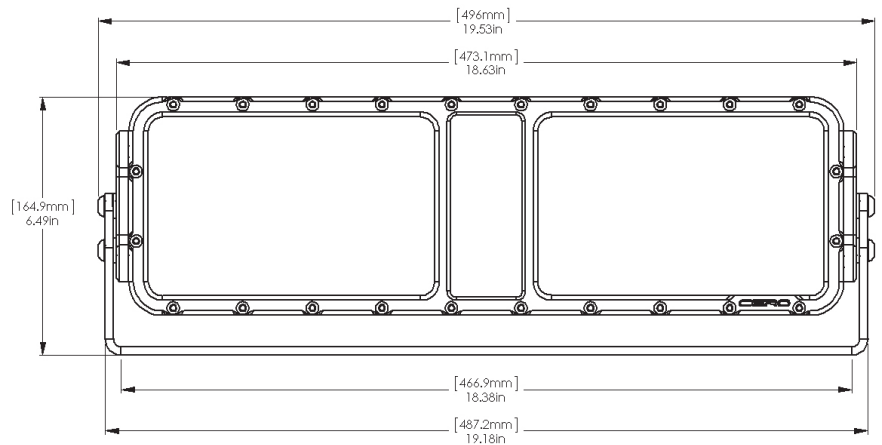
IDX

Alpha-Numeric Identification Displays

Equipment identification impacts safety, requiring clear communication of characters. IDX characters are 18" (457.2 mm) in height for high visibility.

For a high level of reliability, the display panel has a hardened borosilicate lens option, dual o-ring seals, a billet aluminum chassis, and gold plated mil-spec contacts.

Additional character segments were added to center the number "1." This prevents visual blending with adjacent characters.

Displays are easy to change with the high-power magnet included with unit. All programming is stored in a non-volatile memory chip.

- 2 Preset Brightness Levels
- Selectable Dimming
- Solid Characters
- Centered Number '1'
- Dual O-Rings
- Gold Plated Circuit Board and Connector Contacts for Electrical Properties and Corrosion Resistance
- MIL-C-26482 Series II Connector
- Strong, Lightweight 6061-T6 Aluminum Chassis is Type II Black Anodized For Durability

IDX1 IDX2 IDX3

|	IDX1	IDX2	IDX3
Number of LEDs	692	1,384	2,076
Power RED, YEL	0 - 42W	0 - 84W	0 - 126W
Power BLU, GRN	0 - 60W	0 - 120W	0 - 180W
Operating Voltage	10-32VDC	10-32VDC	10-32VDC
Ingress Protection	IP69K	IP69K	IP69K
Weight with Polycarbonate Lens	11.7lb (5.2kg)	24.3lb (10.8kg)	35.3lb (15.7kg)
Weight with Borosilicate Lens	13.3lb (5.9kg)	27.5lb (12.2kg)	40.3lb (17.9kg)
Lifetime (hrs)	50,000	50,000	50,000

IDX

Model	Number of Digits	LED Color		Lens Type
	1	Y	Yellow	G	Borosilicate Glass
IDX	2	B	Blue	P	Polycarbonate Plastic
	3	G	Green		
		R	Red		

IDX 1 Y G

Example: part number **IDX1YG**
IDX Display With 1 Digit, Yellow Leds, Borosilicate Glass

Available Numeric and Alpha Characters
Numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0
Alphabet: A, b, C, d, E, F, M, H, I, J, L, O, P, S, T, U

IDX1

IDX2

IDX3
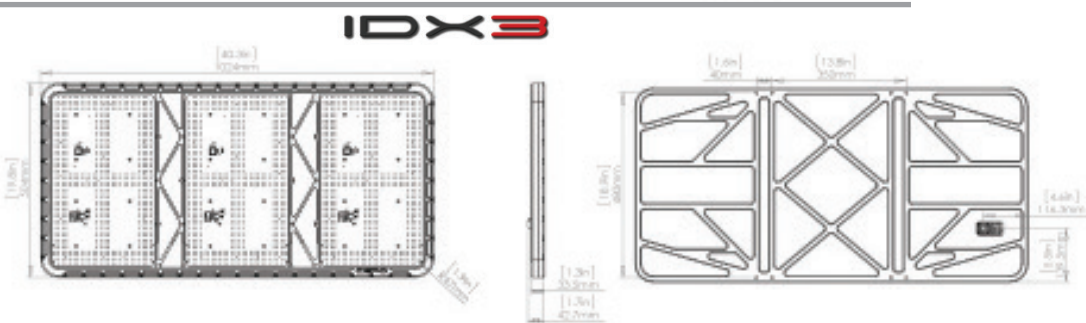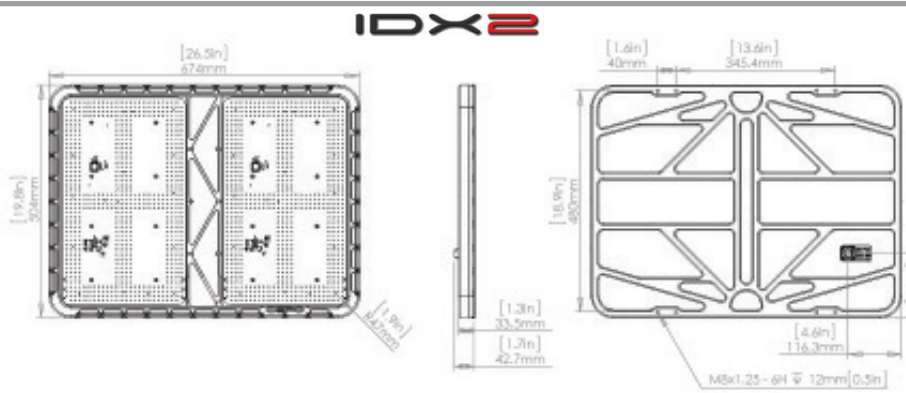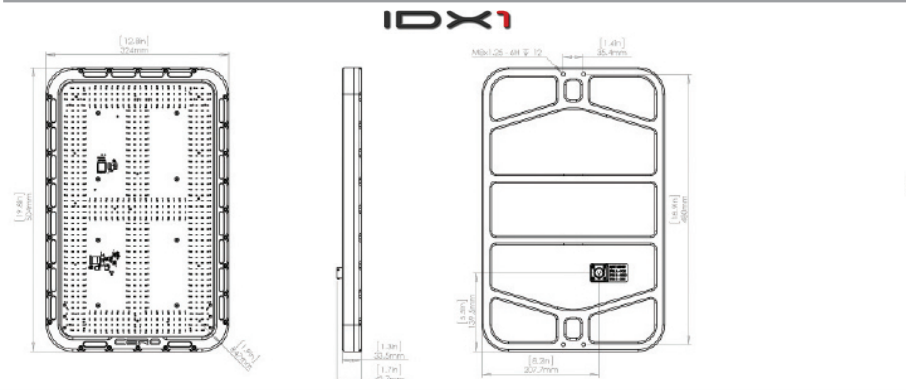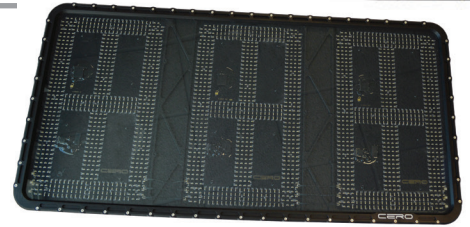
ML-24

## High Visibility Indicator Lamp For Off Road

The ML-24 was designed for applications requiring high indicator light levels. While most marker lamps are intended for use on highways, the ML-24 penetrates thick layers of dust or mud buildup, fog, snow, and rain.

The ML-24 indicator lamp features the same robust protection and reliable circuits as our XD line of work lamps. It is fully encapsulated and features a hardened borosilicate lens for waterproofing.

The ultimate upgrade to off-highway equipment.

Features

- Hi-Lo Brightness
- Type III Anodized Chassis
- Full Encapsulation
- Low Power Consumption
- Thermal Management
- Reverse Polarity (Inverted Wiring) Protection
- Wide Voltage Input Range
- 5.2" X 3.6" X .90" (131 mm X 91 mm X 23 mm)
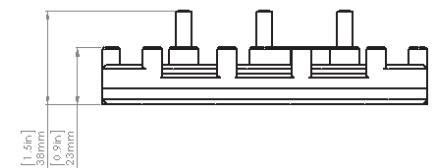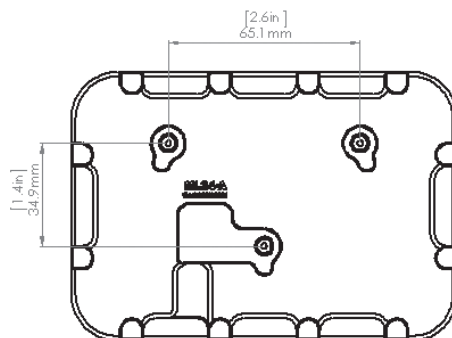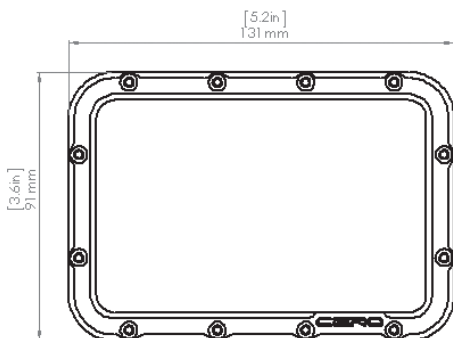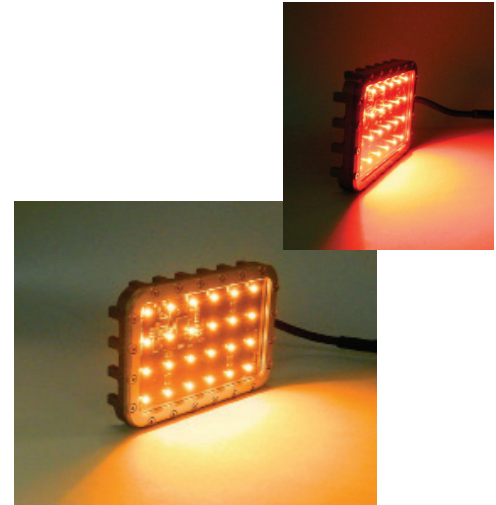
Max Power	8-20W
Operating Voltage	10-32VDC
Raw Lumens	1,340
Effective Lumens	1,206
Current @28VDC	<700mA
Ingress Protection	IP69K
Lifetime (hrs)	50,000

LED Options	Part Number
DOT Red	ML24-R
DOT Amber	ML24-A

JLITE LED

Splashproof, Heavy Duty Housing and Easy-Mount Brackets Make JLites Ideal for A Variety of Applications:

Light Construction Vehicles, Utility Trucks, Forklifts, ATV's, Golf Carts, Boats And More!

Standard JLite Features:
- IP65 (Splashproof) Ingress Protection
- Diecast Aluminum Housing
- Polycarbonate Lens
- Stainless Steel Bracket
- 30,000 Hours Rated Life
- 6,000K Color Temperature
- -20° C to 50° C Operating Temperature
- 10-30VDC Input Voltage
- CE and RoHS Certifications
- 15" Cord with Deutsch DT1 Weatherproof Connector
- Includes Mating Deutsch DT1 Connector

- 90 Watt
- 10° Spot or 90° Wide Beam
- 8100 Raw Lumens
- 9 Cree LEDs
- 6.3" X 5.3" X 4.7"
- 6.39 Lbs.

10° Spot Permanent Mount	JL9C90S
90° Wide Permanent Mount	JL9C90W

- 65 Watt
- 10° Spot or 90° Wide Beam
- 5460 Raw Lumens
- 13 Cree LEDs

10° Spot	JL13C65S
90° Wide	JL13C65W
Dimensions	6.5 x 5.6 x 3.7 in
Wt. (Pounds)	2.69

- 48 Watt
- 90° Wide Beam
- 4320 Raw Lumens
- 13 Cree LEDs

Part Number	JL13C48W
Dimensions	5.7 x 4.9 x 2.8 in
Wt. (Pounds)	1.1

Construction And Utility Lights

JLITE LED

- 28 Watt
- 30° or 60° Flood Light
- 4320 Raw Lumens
- 16 Osram LEDs

30° Flood	JL16C28M
60° Flood	JL16C28W
Dimensions	5.5 x 4.3 x 1.9 in
Wt. (Pounds)	0.71

- 7 Watt
- 8° Spot or 90° Wide Beam Pattern
- 840 Raw Lumens
- 2 Cree LEDs

Spot Beam	JL2C7S
Wide Beam	JL2C7W
Dimensions	3.7 x 2.4 x 1.8 in
Wt. (Pounds)	0.25

- 5 Watt
- 120° Wide Beam Pattern
- 726 Raw Lumens
- 33 Mid Power LEDs

Part Number	JL33C5W
Dimensions	3.7 x 3.0 x .91 in
Wt. (Pounds)	0.22

Wiring Harnesses - Sold Separately

On/Off Switch

JLWH-DT1	14' Wiring Harness With On/Off Switch & One Deutsch Connector, Battery Ring Terminals
JLWH-DT2	14' Wiring Harness With On/Off Switch & Two Deutsch Connectors, Battery Ring Terminals
JLWH-DT1-CIG	12' Wiring Harness, One Deutsch Connector & 12V Auto Plug Adapter, 10A Fuse

ExoStar Area Light
Large Perimeter Lighting

- 88 LEDs
- Illuminates Large Perimeter
- 360 Degree Rotation
- Coated Aluminum Housing for Corrosion Protection
- Corrosion Resistant Stainless Steel Bracket and Hardware
- Superior Hot and Cold Temperature Performance
- Tripod Mounting Available
- 8-Zone Thermal Management

LED Light Towers - Shovels - Draglines - Marine Vessels
High Bay Interiors

Part Numbers and Options - Exostar Light Head Only

Use chart to identify part number built to your specifications. Example: part number **SD88D300ACNNDW**
Standard with 88 LEDs, Deutsch Connection, 300 Watts, AC, Natural Color, Nylon Lens, Double Trunnion Mount, Wide Beam Pattern

| SD | | 88 | D | | 300 | AC | | N | | N | | D | | W |

Duty		LEDs	Connection		Power	Input Voltage	LED Color	Lens	Mount Style	Beam Pattern
SD	Standard	88	D	Deutsch	300	AC	90-264VAC	N Natural 5000K	N Nylon Plastic	D Double Trunnion	W Wide (53°)
			A	Amphenol Eco-Mate							S Spot (9°)
			N	Nema 5-15 Plug, 25-Ft							
			S	Short Blank Cable, 6-Ft							
			L	Long Blank Cable, 25-Ft							

For Custom Configurations, Contact Customer Service

Specifications	
Power	300W
Operating Voltage	90-264VAC or 10-50VDC
Current Draw	2.5A @ 120VAC, 12.5A @ 24VDC
Actual Lumens	53° Wide: 21,425 9° Spot: 20,025
Weight	21 lbs. (SD Version)
Operating Temperature	-40° C to 50° C
Dimensions	18" X 15.5" X 6.4"

Tripod Mounted EXOSTAR

- 180° Tilt and 360° Rotation
- On/Off Switch On Tripod

Tripod Mounted Exostar Specifications	
Power	300W
Operating Voltage	100-240 VAC
Actual Lumens	53° Wide: 18,925 9° Spot: 19,651
Cable/Plug	25 ft., NEMA 5-15
Operating Temperature	-30° C to 50° C
Weight	23 lbs. (Head Only)
Weight (Tripod & Light)	47 Lbs.
Dimensions - Light Head	18" X 15.5" X 8.5"
Collapsed Height	77"
Extended Height	133"

| Part Number	Tripod Mounted Exostar
31-WA-EXO-TR-W	Exostar with Tripod, Coiled Cable, Power Supply With On/Off Button - Wide Beam
31-WA-EXO-TR-S	Exostar with Tripod, Coiled Cable, Power Supply With On/Off Button - Spot Beam
31-WA-EXO-TR-W-C	Exostar with Tripod in Case - Wide Beam
31-WA-EXO-TR-S-C	Exostar with Tripod in Case - Spot Beam
31-WA-EXO-TR-W-B	Exostar with Tripod in Bag - Wide Beam
31-WA-EXO-TR-S-B	Exostar with Tripod in Bag - Spot Beam
31-WA-EXO-CASE	Case Only
31-WA-EXO-BAG	Bag Only

Tripod Wide Area Light

Featuring three light heads with 48 total LEDs, the Cero Tripod Light offers intense, adjustable area lighting.

Independent light heads offer 360° tilt and rotation for versatile lighting and the adjustable tripod folds to a compact 59" height for convenient storage.

Available with heavy duty transport case or storage bag.

Light Head Features:

- 16 LEDs Per Light Head
- Low Power Consumption, Long Life LEDs
- Water, Impact, And Shatter Resistant
- Housing Is Anodized Aluminum For Corrosion Protection (Mil-A-8625)
- Instant On
- Flicker Free
- Nema 4X Rated
- Retractable Coiled Cables
- 50' Power Cord
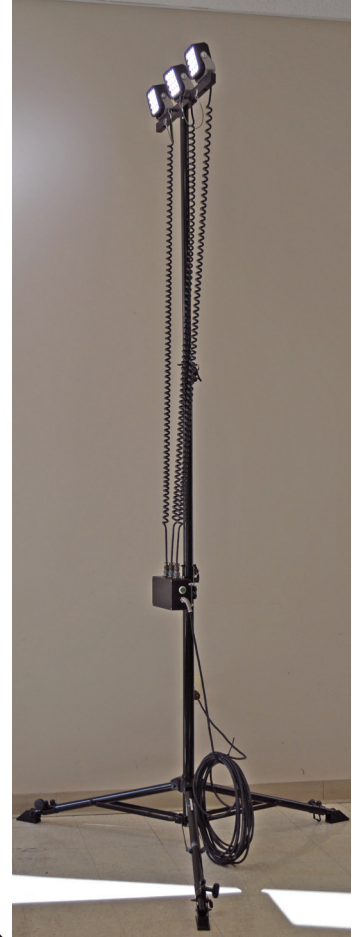
Part Number	Description
31-WA-3HD16-TR	Wide Area LED Light with Tripod
31-WA-3HD16-TR-C	Wide Area LED Light with Tripod in Transport/Storage Case
31-WA-3HD16-TR-B	Wide Area LED Light with Tripod in Storage Bag
31-ANCHOR KIT	Set of 3 Sand Bags and 3 Leg Stakes
31-WA-CASE	Transport Case Only for Wide Area LED Light
31-WA-BAG	Storage Bag Only for Wide Area LED Light

Specifications - Lights	
Power	160 Watts
Input Voltage	90-264 VAC
Effective Lumens	16,500
Weight Per Light Head	3.5 Lbs Each
Operating Temperature	-40° C to 50° C
Input	1 (Power In)
Output	3 (One Per Light)
Individual Light Head Dimensions	4.5" X 4.5" X 2.7" (114mm X 114mm X 68.58)
Cable Length	50'
Plug	NEMA 5-15
Specifications - Tripod	
Height	5' to 10' (Collapsed-Extended)
Base Wide	13" - 58" (Collapsed-Extended
Support	3 - 15 Lb Sand Bags (Sold Separately) or Can Be Staked Into Ground
Material	Aluminum, Powder Coated
Bar Mount	Quick Release Pins - Removable for Storage
Folded Dimensions	59.0" X 13.0" X 13.0"
Lights and Transport Case	
Tripod Light Without Case	40 Lbs
Light and Case Weight	88 Lbs
Transport Case	66.5" X 22" X 12.5"

Fluorescent Stringable Shelter Lights

Durable Design Protects Lamp
  Patented floating sockets
  Shatterproof, protective tube shield
  Twin lamp design

Electronic Ballast Efficiency
  More efficient and lighter weight than magnetic ballast lights
  Flicker free, no excessive heat build up

One Man Set Up
  Compact for easy transport and set up

- Low Amp Draw

- Low Heat Signature

- Flicker Free

- Multi-Volt

Will Not Compromise Peripheral Electronics

EMI (electromagnetic interference) protected lights.

Will not compromise peripheral electronics, communication equipment, computers or medical equipment.

Black out filter greatly reduces visible signature.

Will not trip the most sensitive GFCI when connecting over 30 lights, exceeding military specifications of 12-light connectivity.

Lights operate independently with on/off switches, allowing any combination of lights to operate.

Field Hospitals, Command Centers, Force Provider, BEAR Base
Compliant with MIL-PRF-44259
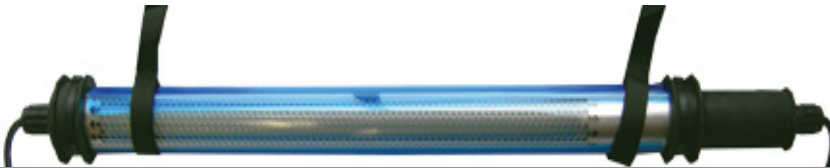
High Intensity Universal Lighting

Suitable for applications that do not involve EMI sensitivity or peripheral electronic equipment.

Twin-lamp design for high intensity lighting.

Lights operate independently with on/off switches, allowing any combination of lights to operate.

Available with optional 110V - 230V capability.

Meets U.S. and Canadian standards for water resistant portable lighting.

Maintenance Enclosures, Billeting and Decontamination Shelters

Fluorescent Stringable Shelter Lights

STRING LIGHT

EMI Protected Light Specifications	
Power Consumption	36 Watt
Illumination (Unfiltered)	148.5 fc @ 18"
Illumination (Blackout)	21.4 fc @ 35"
Length of Light	35.6"
Length Including Cord	117"
Weight (Unpackaged)	4.5 lb
Ballast Type	Electronic

110-230 VAC
50-60 Hz

Jameson Part	EMI Hardened Stringable Lights
31-502SK-IP	Individual EMI Hardened String Light, Black Out Filter, 2 Hanging Straps, Multi-Volt
31-502SK	Kit: Two EMI Hardened String Lights, Black Out Filters, 4 Hanging Straps, Multi-Volt
31-MC-502S	Kit: Four EMI Hardened Lights, 2 Replacement Lamp Kits, 4 Universal Hanging Straps, Transport Case 31-MC
31-4B-502SK	Kit: Four EMI Hardened Lights, 4 Hanging Straps, Canvas Carry Bag 23-30-4L

General Purpose Light Specifications	
Power Consumption	36 Watt
Illumination	165 fc @ 18"
Length of Light	31.9"
Length Including Cord	115"
Weight (Unpackaged)	3.4 lb
Ballast Type	Electronic

Jameson Part	General Purpose Stringable Lights - Single Volt 110
31-5004M-IP	1 General Purpose String Light, 2 Hanging Straps
31-5004M	Kit: 4 General Purpose String Lights, 8 Hanging Straps
31-MC-5004MS	Kit: 4 General Purpose String Lights, 8 Hanging Straps, 2 Replacement Lamp Kits, Transport Case 31-MC
31-4B-5004M	Kit: 4 General Purpose String Lights, 8 Hanging Straps, Canvas Carry Bag 23-30-4L
31-501-IP	General Purpose String Light, Multi-Volt, 2 Straps
31-501M-US	Kit: 4 General Purpose Lights, Multi-Volt, 8 Straps
31-MC-501M	Kit: Four 31-501-IP Lights, 2 Lamp Kits, 8 Straps, Transport Case 31-MC

Country And IP Specific Rated Connectors

2-Light Carrying Bag
Vinyl-coated nylon bag holds two stringable lights. Features snap closures and web handles.

4-Light Carrying Bag
Vinyl-coated nylon bag holds four stringable lights. Features zipper closure and web handles.

Transport Case
Case holds four stringable lights. Compliant to Federal Standards for drop testing, impact resistance, vibration and water immersion. Wheels and handles for easy portability. Custom foam lining cradles and protects lights. **Compliant with DEF STAN 81-41/STANAG 4280**

Jameson Part	Accessories
31-MC	Transport Case - Holds 4 Fluorescent Stringable Lights , 53" X 16" X 16", 19.5 Lbs
31-MC-L	Transport Case - Holds 4 LED Stringable Lights, 53" X 16" X 16", 19.5 Lbs
23-30-B	Vinyl Carrying Bag - Holds 2 Lights 44" X 11.75", 1.14 Lbs
23-30-4L	Canvas Carrying Bag - Holds 4 Lights 8.5" x 8.5" x 38", 1.5 Lbs
31-LMEFILT-B	General Purpose Fluorescent Light Filter - Blue
31-LMEFILT-R	General Purpose Fluorescent Light Filter - Red
31-MCPSFILT-B	Blue Filter for EMI Fluorescent Hardened Light
31-1-50	Replacement Lamp Kit for 50 Watt Fluorescent Lights
31-10-EXT	10' Extension Cord with In-Line Switch

LED Stringable Shelter Lights
With EMI Protection

**Long Life, Low Power Consumption Lighting
Will Not Compromise Peripheral Electronics**

Will Not Compromise Peripheral Electronics

EMI (electromagnetic interference) hardened lights will not compromise peripheral electronics, communication equipment, computers or medical equipment.

- Black out mode greatly reduces visible signature.

- Will not trip GFCI when connecting over 30 lights, exceeding military specification of 12-light connectivity.

- Light output and dispersion comparable to fluorescent lighting with significantly less energy consumption.

- Push-button dimming saves more power.

- Interoperable with Jameson's fluorescent string lights.

**Compliant with MIL-STD-461, RE102 and CE102
for Army Ground**

Field Hospitals, Command Centers,
Force Provider, BEAR Base

The Green Solution

58-60% lower power consumption than fluorescent and 50,000 hour rating

Jameson's LED lights offer more light with less energy consumption.

Compatible With
Smart Grid Technology
Renewable Energy Systems
Managed Power Systems
Solar/Wind Power

LED Stringable Shelter Lights
With EMI Protection

The Exceptional Features And Benefits Of Jameson's Fluorescent Lights

Multi-Volt Capability 100-240 VAC, 50-60Hz

Independent Pass-Through Power

Individual On-Off Switch

Superior Hot & Cold Temperature Performance

Durable, Compact Design

Light Weight, Easy One Man Set Up

Flicker Free Light

With The Added Benefits Of LED Technology

Longer Life than Fluorescent

Lower Power Consumption for Fuel Savings

Glare Reducing Optical Design

Three Operating Modes

Full Power White **(25% Power Savings)***

Half Power White **(60% Power Savings)***

Tactical Blue Blackout **(72% Power Savings)***

(Available in Red Blackout - 80% Power Savings)

Versus Comparable Fluorescent

Physical Specifications	
Overall Length with cords	120"
Body Length without cords	32.25"
Major diameter	3.75"
Minor diameter	2.60"
Weight	4.70 lbs
Cubic Volume	124 cu. in.

Universal Voltage Input: 100-240 VAC, 50/60 Hz

International Plug Configurations Available

Electrical Specifications Based on Model 31-400B						
Input Voltage	120 VAC			230 VAC		
Operating Mode	High	Low	Blackout	High	Low	Blackout
Power (Watt)	27	14	10	27	14	10
Current draw (Amp)	0.225	0.118	.070	0.118	0.065	.040

Jameson Part	LED Stringable Lights
31-400B	LED String Light Blue Blackout, Hanging Straps
31-400R	LED String Light Red Blackout, Hanging Straps
31-MC-400B	4 LED String Lights Blue Blackout, Hanging Straps, Transport Case 31-MC
31-MC-400R	4 LED String Lights Red Blackout, Hanging Straps, Transport Case 31-MC
31-B-400B	2 LED String Lights Blue Blackout, Hanging Straps, Carry Bag 23-30-B
31-B-400R	2 LED String Lights Red Blackout, Hanging Straps, Carry Bag 23-30-B

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