# MOTION SAFETY

# **INDUSTRIAL LIGHTING** PRODUCT LINE CATALOG



#### MONSTER™ IS A PRODUCT OF



In 1987 Checkers Safety Group<sup>®</sup> began with a simple vision: design and engineer the highest quality industrial safety products to provide effective safety solutions. That vision still drives Checkers today. With our product offerings of Cable/Hose Protection Systems, Wheel Chocks, Warning Whips, Warning and Safety Lights, and more, Checkers creates unique solutions for our customers. Having the opportunity to serve a diverse number of customers and markets for over 29 years has provided us the knowledge and insight to ensure every one of our customers' needs is satisfied. Through our commitment to innovation and excellence Checkers is poised to continue to serve as your leading global provider of industrial safety products.

Checkers Safety Group<sup>®</sup> is headquartered in Broomfield, Colorado, U.S.A. with another manufacturing and support facility located in Mesa, Arizona. Each of our products is proudly produced in the United States. We take pride in providing the highest quality product at the best possible price. Our products are sold worldwide into many diverse markets. Checkers is proud to serve you and we thank you for your business.



# **OUR VISION**

A DYNAMIC GLOBAL TEAM DEDICATED TO PROTECTING LIVES, ASSETS AND THE ENVIRONMENT.



#### **MARKETS SERVED**

- Mining
- Oil and Gas
- Military
- Entertainment

- Power Generation
- Construction
- Utilities
- Manufacturing
- Material Handling
- Industrial
- Aviation
- Government

- Traffic Safety
- Automotive
- Landscaping
- Tree Care

#### **CHECKERS IS A MEMBER OF & PROUDLY SUPPORTS THE FOLLOWING ASSOCIATIONS**



# **MONSTER** INDUSTRIAL LIGHTING

- Multiple solutions for identifying vehicles or construction sites with visibility during the day and night
- Tough, sealed housings allow operation in less than optimal weather
- Durable construction withstands high pressure washing, impact, vibration, and large temperature shifts





# LARGE VEHICLE IDENTIFICATION LIGHTS

for fast identification of mining equipment

MONSTER LARGE VEHICLE IDENTIFICATION LIGHTS provide fast and easy identification of any type of equipment in heavy duty working environments. Built with high output lights, these lights provide superior visibility during the day or night. The numbering panel is constructed from a high intensity reflective material that is easy to read whether the sign is powered or off. Designed to withstand high pressure washing and impact, these durable lights are built with heavy duty materials to withstand the harsh weather and working conditions frequently experienced in mining, construction and other industrial applications. They are rated at operating temperatures ranging from -60° F to 140° F (-50° C to 60° C).

- High output LED lights provide optimum visibility both day and night
- Perfect solution for identifying multiple vehicles
- Numbering can be viewed when vehicle is not powered

#### **ADVANTAGES OF LARGE VEHICLE IDENTIFICATION LIGHTS**

#### **INCREASED VISIBILITY**

1/4 in. thick yellow acrylic LED light diffuser spreads light evenly for increased visibility

#### HIGHLY REFLECTIVE

High intensity reflective material for increased visibility when sign is not powered

#### EASY TO READ

• Durable construction withstands high pressure washing,

impact, vibration and big temperature shifts

Minimizes replacement and maintenance costs

Easy to read block lettering during daylight hours with clear illumination at night



EASY CONNECTION — Waterproof Deutsch plug for easy connection

#### ALUMINUM FRAME with stainless steel bolts Durable black powder coat paint finish frame is water tight and secured by multiple stainless steel bolts.

**EXCEPTIONALLY DURABLE LENS MAKROLON®** polycarbonate lens with over 200 times the impact strength of glass and provides excellent light transmission



Highly visible when sign is not powered



Reflective material allows for visibility at night if sign is not powered



Rectangular Vehicle Identification Light on a mine support vehicle.



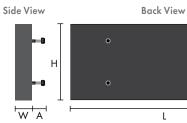
Triangular Vehicle Identification Light on a road maintenance vehicle.



LUNDCK Deutsch Y Transition Connection Plug Kit

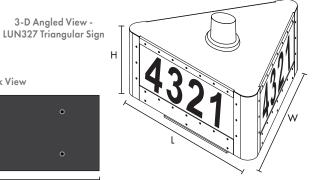
Front View - Rectangular Signs







Rectangular Vehicle Identification Light on a 400-ton mine haul truck.



A = 1.625" Bolt Length

Model	Description	Length	Height	Width	Volts	Amps	LEDs	Lumens
LUN30X12	Includes specified unit number, 12 ft. power cord with Pigtail	30 in. (76.2 cm)	12 in. (30.5 cm)	2.8 in. (7.1 cm)	24 V	2.5	210	4,095
Volt AC Adapter		30 in. (76.2 cm)	12 in. (30.5 cm)	2.8 in. (7.1 cm)	110 V	2.5	210	4,095
		24 in. (61.0 cm)	16 in. (40.6 cm)	2.8 in. (7.1 cm)	24 V	2.5	210	4,095
LUN24X16-AC	UN24X16-AC Includes specified unit number, and 12 ft. power cord with 24 Volt AC Adapter		16 in. (40.6 cm)	2.8 in. (7.1 cm)	110 V	2.5	210	4,095
LUN30X20	Includes specified unit number, 12 ft. power cord with Pigtail	30 in. (76.2 cm)	20 in. (50.8 cm)	2.8 in. (7.1 cm)	24 V	3.9	224	6,318
LUN30X20-AC Includes specified unit number, and 12 ft. power cord with 24 Volt AC Adapter		30 in. (76.2 cm)	20 in. (50.8 cm)	2.8 in. (7.1 cm)	110 V	3.9	224	6,318
LUN48X36	Includes specified unit number, 12 ft. power cord with Pigtail	48 in. (122 cm)	36 in. (91.4 cm)	3.5 in. (8.9 cm)	24 V	10	960	22,000
LUN48X36-AC	N48X36-AC Includes specified unit number, and 12 ft. power cord with 24 Volt AC Adapter		36 in. (91.4 cm)	3.5 in. (8.9 cm)	110 V	10	960	22,000
LUN327*	Includes specified unit number, 12 ft. power cord with Pigtail, (12) 1/2 in. mounting holes (Mounting hardware NOT includ- ed), strobe and momentary switch for easy strobe programming	31 in. (78.7 cm)	14 in. (35.6 cm)	31 in. (78.7 cm)	24 V	5.4	450	8,875
LUN327-AC*	Includes specified unit number, and 12' power cord with 24 Volt AC Adapter, (12) 1/2 in. mounting holes (Mounting hardware NOT included), strobe and momentary switch for easy strobe programming	31 in. (78.7 cm)	14 in. (35.6 cm)	31 in. (78.7 cm)	110 V	5.4	450	8,875
LUNDCK	Deutsch Y Transition Connection Plug Kit - includes Y Transition 3 Way Plug, 3-Pin Heat Shrink Connector Plug, Blue Triangular Pin Wedge Lock, Orange Round Pin Wedge Lock, 6 Socket (female) Electrical Pins Crimp Style, 3 - 3/4" Yellow Dual Wall Heat Shrink (adhesive lined)							
* SPI	ECIFY STROBE COLOR ON LUN327 AND LUN327-AC	AFTER MODEL N	IUMBER: A=AM	BER, B=BLUE, G=	GREEN,	R=RED, V	/=WHITI	

SEE MOUNTING KITS FOR VEHICLE IDENTIFICATION LIGHTS ON THE NEXT PAGE



# **SMALL VEHICLE IDENTIFICATION LIGHTS**

for fast identification of mining equipment

MONSTER SMALL VEHICLE IDENTIFICATION LIGHTS provide fast and easy identification of any type of equipment in mining, construction, industrial, utility, or traffic work environments. Built with high output lights, these lights provide superior visibility during the day or night. The numbering panel is constructed from a high contrast material that is easy to read whether the sign is powered or off. These durable lights are built with heavy duty materials to withstand pressure washing, vibration, impact, and the harsh weather and working conditions frequently experienced in exterior applications. They are rated at operating temperatures ranging from -60° F to 140° F (-50° C to 60° C).

- High output LED lights provide optimum visibility both day and night
- Perfect solution for identifying multiple vehicles
- Numbering can be viewed when vehicle is not powered
- Durable construction withstands high pressure washing, impact, vibration, and big temperature shifts
- Minimizes replacement and maintenance costs

#### ADVANTAGES OF SMALL VEHICLE IDENTIFICATION LIGHTS

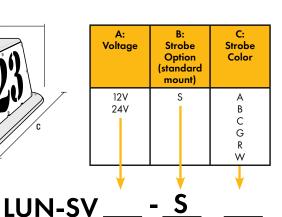
- Easily replaceable number panels
- Easy to readHigh contrast colors
  - st colors •
- Increased visibilityDurable materials
- Easy connection
- Scratch-proof magnetic base





PART

NUMBER



		Magnetic base							
Model	Description	Length	Height	Width	Weight	Volts	Amps	LEDs	Lumens
lun-sv	Includes specified unit number and 12 ft. power cord with 2-way switch power plug	30 in. (76.2 cm)	13.5 in. (34.3 cm)	27.5 in. (69.9 cm)	10.4 lbs (4.72 kg)	12-24	1.5 - 2.0	120	900





## **OPTIONAL MOUNTING BRACKETS**

for large vehicle identification lights

Model	Description
LUNMK-RAIL	This is a railing mounting kit. Kit includes J-style mounting plates, U-bolts, and all necessary hardware for railing mounted applications
LUNMK-REAR	This is a rear mounting kit. Kit includes two uprights for horizontal mounting



Rectangular Vehicle Identification Lights on the front of a 400-ton mine haul truck.



Triangular Vehicle Identification Light on the top of a grader.



Small Vehicle Identification Light on the top of a pickup truck.



# LED WORK LIGHTS

Lightweight and built to last

Each light contains it's own intelligent control circuitry. Multiple light modules can be flashed on a vehicle lighting system without a controller. By applying power to the string of lights, each light will be able to flash in several patterns set by a master light on the string. Light modules can also be connected to a master controller to make arrow sticks or arrow boards, or other special light control requests.

- Pantent-Pending •
- Heavy duty industrial die cast base •
- Enclosure is NEMA 4 rated
- Cast Aluminum Housing
- 4-Way Operation: High, Low, Flashing and Off ٠
- 5 Programmable flash patterns •
- 5 available optic output selections: Wide  $(15^{\circ} \times 27^{\circ})$ , Beam (9°), Spread, Combination of Beam and Spread, and Diffused
- Intelligent control circuitry with optional compact user-friendly controllers
- Overall Size: 5.3 in. L x 2 in. W x 1.5 in. H
- Current Draw: .8 amps •
- Operates from 12 to 24 volts
- Rotates 360 degrees and tilts 30 degrees forward and back
- Includes two 1 in. 1/4x20 studs with locking flare nut and ٠ one 1 in. 1/2x20 ball screw stud with locking flare nut
- 3 Watt models have 420 Lumens of light output

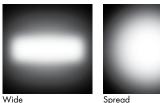




#### **3 WATT MODELS**

with 420 Lumens of light output

Model	Lens	
LWL.3.W.*	Wide 15° x 27°	
LWL.3.B.*	Beam 9°	
LWL.3.S.*	Spread	
LWL.3.WB.*	Combination of Wide and Beam	
* SPECIFY LENS COLOR AFTER MODEL NUMBER. LENS COLOR: A = AMBER, R = RED, B = BLUE G = GREEN, W = WHITE		









Combination of Wide & Beam

Beam



# **MAGNETIC WATERPROOF LED FLARE**

The LED FLARE is robust, waterproof, and designed for frequent and aggressive use. Utilized by police, fire, military, construction sites and highway patrol for various traffic situations. These units are ideal and a must have for any emergency roadside kit. All LED FLARES provide 360° visibility and are available in five safety colors, red, blue, green, amber and white with a magnetic base.

LED Magnetic Flare Alert Beacon, Flashing or Steady

- 3-Way Operation: Steady On, Double Flash and Off
- Flashes per minute: 120

Model

BPRO.\*

- Crush resistant up to 5000 lbs. per tire
- Overall Size: 3.75 in. W x 1.75 in. H
- Battery Life: Up to 60 hours in flash mode

Lens

\*SPECIFY LENS COLOR AFTER MODEL NUMBER.

**REQUIRES 4 AA BATTERIES (NOT INCLUDED)** 

• LED Brightness: 1.0 Watt and up to 20 hours in steady mode

LENS COLOR: A = AMBER, R = RED, B = BLUE, G = GREEN, W = WHITE

• Durable Polycarbonate Housing



#### **ECO-FRIENDLY:**

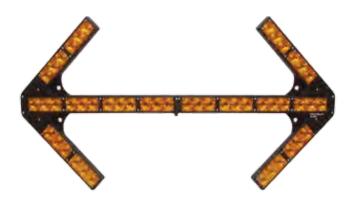
- Reusable Replaces THOUSANDS of flares
- No perchlorate won't contaminate ground water
- No toxic fumes released
- No residue or debris left behind

# **ARROW BOARD**

Arrow Boards have integrated motor-controlled LED direction functions, integrated actuation and compact user-friendly on-dash mount controllers. Our Arrow Boards also have an efficient low current draw and super bright LED lights. We offer custom fit cables to accommodate your needs.

- Die Cast Aluminum Base
- 12V, 3 AMP avg. current draw, flashing
- Utilizes compact on-dash controller
- Up to 140 lumen output
- 16 light modules

Model	Description	
AL1650.*	Truck mounted 24 in. W x 48 in. H x 1.25 in. D	
AL1650T.*	Truck mounted manual tilt up to 90°, 24 in. W x 48 in. H X 1.25 in. D	
*SPECIFY LENS COLOR AFTER MODEL NUMBER. LENS COLOR: A=AMBER, R=RED, B=BLUE, G=GREEN, W=WHITE		







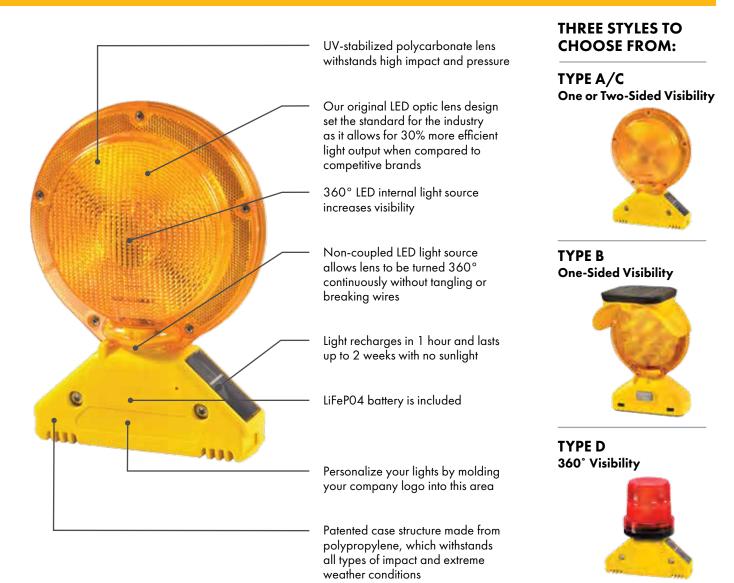
# **SOLAR BARRICADE LIGHTS**

Produces 30% more light output than competitive brands

Often imitated but never duplicated, MONSTER SOLAR BARRICADE LIGHTS are the most durable solar powered barricade lights on the market today. Our lights feature the industry's brightest LED, which produces 30% more light output when compared to competitive brands. Using solar technology eliminates the need to spend time and money stocking and replacing batteries. Our patented case and circuitry is designed to withstand the harshest conditions experienced in traffic safety, construction, and other industrial applications. Available with one-sided, two-sided, or 360° visibility SOLAR BARRICADE LIGHTS are rated at operating temperatures ranging from -60° F to 140° F (-50° C to 60° C). Built with a heavy-duty UV stabilized polycarbonate lens and a durable polypropylene case that can withstand high impact and drive overs. These patented lights dramatically decrease maintenance and replacement costs.

- Most durable & efficient barricade light on the market
- Solar technology eliminates the need to replace batteries
- Patented design allows lens to be turned 360 degrees continuously without tangling or breaking wires
- Rapidly recharges in 1 hour lasting up to 2 weeks with no sunlight
- Efficient LED optic lens produces 30% more light output

#### **ADVANTAGES OF SOLAR BARRICADE LIGHTS**



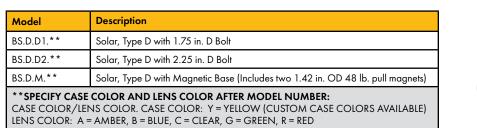
## SOLAR BARRICADE TYPE A/C (One or Two-Sided Visibility)

- Light intensity is up to 4 effective candelas
- 3-Way Operation: Steady On, Flashing or Off
- Only operates at night, and automatically turns off during daytime to extend battery life
- LiFePO4 solar rechargeable batteries included
- Dimensions: 7.5 in. L x 3 in. W x 10.5 in. H
- Weight: 1.5 lbs.

Model	Description	
BS.AC.D1.**	2-Sided Visibility, Solar, Type A/C with 1.75 in. D Bolt	
BS.AC.D2.**	S.AC.D2.** 2-Sided Visibility, Solar, Type A/C with 2.25 in. D Bolt	
BS.AC1.D1.**	One-Sided Visibility with white back, solar, Type A/C with 1.75 in. D Bolt	
BS.AC1.D2.**	One-Sided Visibility with white back, solar, Type A/C with 2.25 in. D Bolt	
** SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER: CASE COLOR/LENS COLOR. CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, B = BLUE, C = CLEAR, G = GREEN, R = RED		

## SOLAR BARRICADE TYPE D (360° Visibility)

- Light intensity is up to 2 effective candelas
- 3-Way Operation: Steady On, Flashing or Off
- Only operates at night, and automatically turns off during daytime to extend battery life
- LiFePO4 solar rechargeable batteries included
- Dimensions: 7.5 in. L x 4.5 in. W x 8 in. H
- Weight: 1.25 lbs.



## SOLAR BARRICADE TYPE B (One-Sided Visibility)

- Light intensity is up to 35 effective candelas
- Operates 24 hours a day, and dims 50% at night to extend battery life

Model	Description	
BS.B.D1.**	Solar, Type B with 1.75 in. D Bolt	
BS.B.D2.**	Solar, Type B with 2.25 in. D Bolt	
BS.B.D3.**	Solar, Type B with 3.5 in. D Bolt	
BS.DB.**	Detachable base, Solar, Type B, mounting hardware not included	
BL.REMOTE Waterproof, infrared remote allows light to be remotely turned on or off up to 500 feet away, and can control one or multiple units. (NOTE: This remote has to be programed to the individual light, and therefore it cannot be purchased separately)		
** <b>SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER:</b> CASE COLOR/LENS COLOR CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, R = RED		

- 2-Way Operation: Flashing or Off only
- LiFePO4 solar rechargeable batteries included







BS.D.M. with Magnetic Base



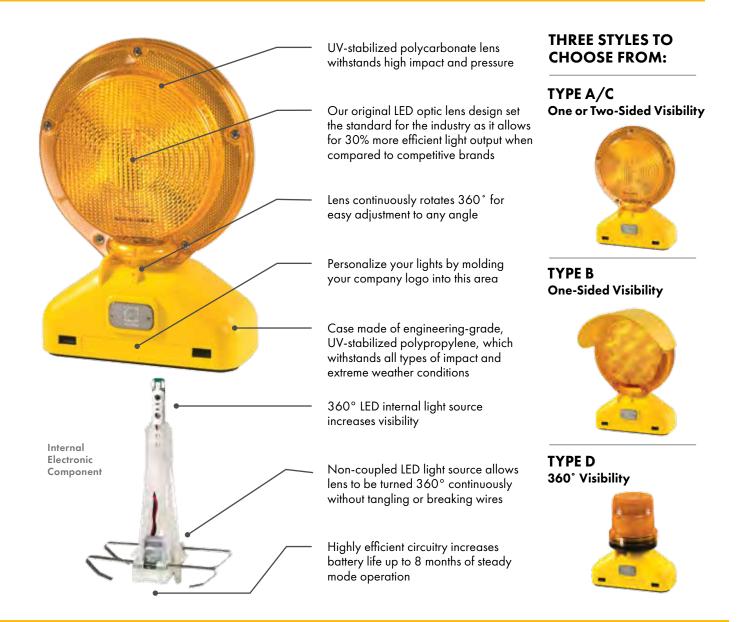
# **PREMIUM BARRICADE LIGHTS**

Produces 30% more light output than competitive brands

Often imitated but never duplicated, MONSTER PREMIUM BARRICADE LIGHTS feature the industry's most efficient LED optic lens, which produces 30% more light output when compared to competitive brands. These durable lights are built with heavy duty, UV-stabilized polycarbonate and polypropylene to withstand the high impact and harsh weather conditions frequently experienced in construction and other industrial applications. Available as either D-Cell or 6 volt lights, MONSTER PREMIUM BARRICADE LIGHTS are rated at operating temperatures ranging from -60° F to 140° F (-50° C to 60° C). Manufactured with the most efficient circuitry on the market, these lights allow for increased battery life of up to 8 months, resulting in lower operating costs.

- Reduced operating costs with efficient circuitry
- Toughest housing made from polypropylene
- Efficient LED optic lens produce 30% more light output
- Premium barricade lights are built with 4 LED's
- 360 degrees continuous turning
- Meets ITE specs and is NCHRP-350 approved

#### **ADVANTAGES OF PREMIUM BARRICADE LIGHTS**



# 3 VOLT LIGHTS: D-CELL BETTERIES TYPE A/C (One or Two-Sided Visibility)

- Light intensity is up to 8 effective candelas
- 3-Way Operation: Steady On, Flashing or Off
- Only operates at night, and automatically turns off during daytime to extend battery life
- Extended battery life of up to 8 months in steady mode
- Dimensions:7 in. L X 3.25 in. W X 10.5 in. H
- Weight: 1.4 lbs.

Model Description			
BR3.AC.D3.**	2-Sided Visibility, D-Cell, Type A/C with 3.5 in. D Bolt		
BR3.AC1.D3.** One-Sided Visibility, D-Cell, Type A/C with 3.5 in. Bolt			
** <b>SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER:</b> CASE COLOR/LENS COLOR. CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, B = BLUE, C = CLEAR, G = GREEN, R = RED			
BATTERIES NOT INCLUDED			

## 3 VOLT LIGHTS: D-CELL BETTERIES TYPE B (One-Sided Visibility)

- Light intensity is up to 35 effective candelas
- 2-Way Operation: Flashing or Off only

Description

Model

BR3.B.D3.\*\*

BL.REMOTE •

• Operates 24 hours a day, and dims 50% at night, extending battery life

D-Cell, Type B with 3.5 in. D Bolt

- Extended battery life of up to 45 days
- Dimensions: 7 in. L x 6.5 in. W x 11.5 in. H
- Weight: 1.5 lbs.



<u>NOTE</u>: This remote has to be programed to the individual light, and therefore it cannot be purchased separately.

## CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, R = RED BATTERIES NOT INCLUDED

Waterproof, infrared remote allows light to be remotely turned on or off up to 500 feet away, and can control one or multiple units.

## 3 VOLT LIGHTS: D-CELL BETTERIES TYPE D (360° Visibility)

\*\* SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER: CASE COLOR/LENS COLOR.

- Light intensity is up to 2 effective candelas
- 3-Way Operation: Steady On, Flashing or Off
- Only operates at night, and automatically turns off during daytime to extend battery life
- Extended battery life of up to 8 months in steady mode
- Dimensions: 7 in. L x 4.5 in. W x 8 in. H
- Weight: 1.1 lbs.



# Model Description BR3.D.D3.\*\* D-Cell, Type D with 3.5 in. D Bolt \*\*SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER: CASE COLOR/LENS COLOR. CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, B = BLUE, C = CLEAR, G = GREEN, R = RED BATTERIES NOT INCLUDED

## 6 VOLT LIGHT: D-CELL BETTERIES TYPE B (One-Sided Visibility)

- Light intensity is up to 35 effective candelas
- 2-Way Operation: Flashing or Off only
- Operates 24 hours a day, and dims 50% at night extending battery life
- Extended battery life of up to 45 days
- Dimensions: 7.25 in. L x 6.5 in. W x 8.5 in. H
- Weight: 1.5 lbs.

Model	Description		
BR6.B.D3**	6 Volt, Type B with 3.5 in. D Bolt		
BL.REMOTE	.REMOTE Waterproof, infrared remote allows light to be remotely turned on or off up to 500 feet away. Can control one or multiple units.		
**SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER: CASE COLOR/LENS COLOR. CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, R = RED			
BATTERIES NOT INCLUDED			





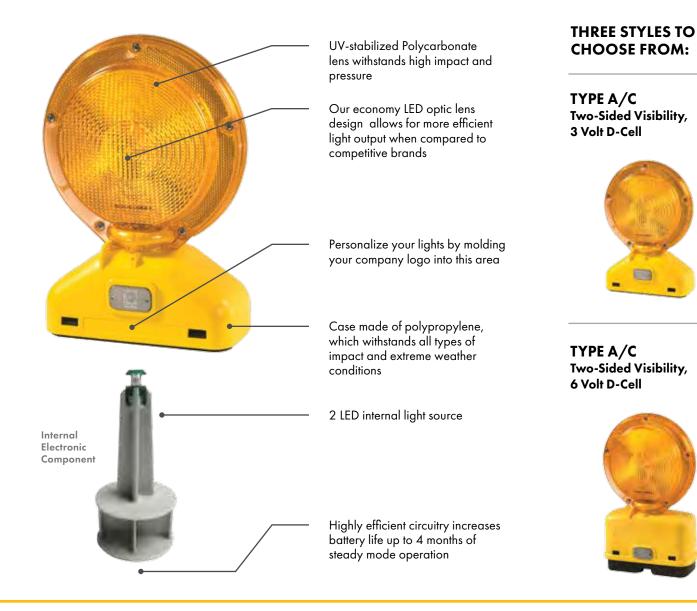
# **ECONOMY BARRICADE LIGHTS**

Best value with the industry's brightest LED optic lens. Produces more light output than competitive brands!

MONSTER ECONOMY BARRICADE LIGHTS feature the industry's brightest economy LED optic lens, which produces more light output when compared to competitive brands. These lights are built with polycarbonate and polypropylene to withstand impact and harsh weather conditions frequently experienced in construction and other industrial applications. MONSTER ECONOMY BARRICADE LIGHTS are available in Type A/C 3 Volt D-Cell, or A/C 6 Volt, and meet ITE specifications and are NCHRP-350 approved.

- Value priced economy light available in type A/C D-cell and A/C 6 volt
- Efficient LED optic lens produces more light output
- Meets ITE specifications; NCHRP-350 approved

- Battery life of up to 4 months
- 3-way Operation: Steady On, Flashing, or Off



#### **ADVANTAGES OF ECONOMY BARRICADE LIGHTS**

## 3 VOLT LIGHTS: TYPE A/C (Two-Sided Visibility)

- Light intensity is up to 4 effective candelas
- 3-Way Operation: Steady On, Flashing or Off
- Only operates at night, and automatically turns off during daytime to extend battery life
- Extended battery life of up to 4 months in steady mode
- Dimensions: 7 in. L x 3.25 in. W x 10.5 in. H
- Weight: 1.4 lbs.

Model	Nodel Description	
BC3.AC.D3.** D-Cell, Type A/C with 3.5 in. D Bolt		
** <b>SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER:</b> CASE COLOR/LENS COLOR CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, R = RED		
BATTERIES NOT INCLUDED		



## 6 VOLT LIGHTS: TYPE A/C (Two-Sided Visibility)

- Light intensity is up to 4 effective candelas
- 3-Way Operation: Steady On, Flashing or Off
- Only operates at night, and automatically turns off during daytime to extend battery life
- Extended battery life of up to 4 months in steady mode
- Dimensions: 7.25 in. L x 3.25 in. W x 12 in. H
- Weight: 1.5 lbs.

Model	Nodel Description	
BC6.AC.D3.** 6 Volt, Type A/C with 3.5 in. D bolt		
** <b>SPECIFY CASE COLOR AND LENS COLOR AFTER MODEL NUMBER:</b> CASE COLOR/LENS COLOR CASE COLOR: Y = YELLOW (CUSTOM CASE COLORS AVAILABLE) LENS COLOR: A = AMBER, R = RED		
BATTERIES NOT INCLUDED		



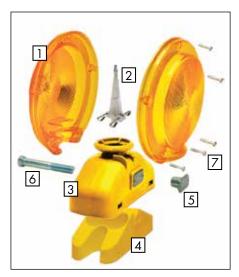


# **BARRICADE LIGHT REPLACEMENT PARTS**

for fast and easy replacement

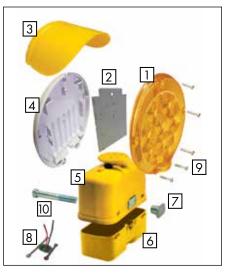
We offer all the replacement parts you need to keep your barricade lights operating at optimum levels. We do our best to make it convenient and easy to repair our barricade lights.

## **REPLACEMENT PARTS FOR PREMIUM BARRICADE LIGHTS**



#### D-CELL PREMIUM BARRICADE LIGHT REPLACEMENT PARTS

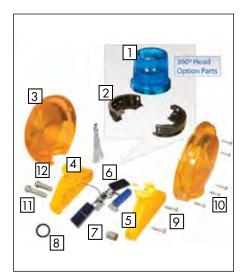
#	Model	Description		
1	Z503.09*	Replacement Barricade Lens		
2	04.BR3.CKT.A	D-Cell Premium Circuit		
3	Z503.05**	Premium D-Cell Top		
4	Z503.06**	Premium D-Cell Bottom		
5	Z503.006	Nut Plate		
6	Z503.03D	D3 3.5 in. D Bolt		
7	Z503.008	Replacement Lens Screw		
	Z503.013	Switch Pin (not pictured)		
	Z503.017D	D Bolt Wrench (not pictured)		
*SPECIFY LENS COLOR: A = AMBER, B = BLUE, C = CLEAR, G = GREEN, R = RED **SPECIFY CASE COLOR: Y = YELLOW (CUSTOM COLORS AVAILABLE)				



6 VOLT PREMIUM BARRICADE LIGHT REPLACEMENT PARTS

#	Model	Description
1	Z503.023*	Replacement B-Light Lens
2	04.BB.CKTM.A	B-Light Premium Circuit
3	Z503.018	Yellow Visor
4	Z503.024W	White Back
5	Z503.021 * *	Premium 6 Volt Top Case
6	Z503.022**	Premium 6 Volt Bottom Case
7	Z503.006	Nut Plate
8	04.BB.CKT6V.SW	6 Volt Battery Board
9	Z503.008	Replacement Lens Screw
10	Z503.03D	D3 3.5 in. D Bolt
	503.013	Switch Pin (not pictured)
	Z503.017D	D Bolt Wrench (not pictured)

\* SPECIFY LENS COLOR: A = AMBER, B = BLUE, C = CLEAR, G = GREEN, R = RED \*\*SPECIFY CASE COLOR: Y = YELLOW (CUSTOM COLORS AVAILABLE)



#### PREMIUM SOLAR BARRICADE LIGHT REPLACEMENT PARTS

#	Model	Description
1	Z507.03*	360 Degree Dome Lens
2	Z503.050	Lens Clamp
3	Z503.09*	Replacement Barricade Lens
4	Z503.047**	Solar Barricade Case Back Side
5	Z503.046**	Solar Barricade Case Front Side
6	05.BS.CKT. ASM.***	Solar Type A/C Circuit
7	Z544.020	Solar Nut Plate
8	Z400.100	Nut Plate O-Ring
9	Z503.060	Solar Case Screw
10	Z503.008	Replacement Lens Screw
11	Z503.017	D3 2.25" in. D Bolt
12	Z503.075D	D3 1.75 in. D Bolt
	Z503.013	Switch Pin (not pictured)
	Z503.017D	D Bolt Wrench (not pictured)
C = ** <b>S</b> (CU ***	CLEAR, G = GREF PECIFY CASE CO STOM COLORS / SPECIFY LED CO	DLOR: Y = YELLOW

## **REPLACEMENT PARTS FOR ECONOMY BARRICADE LIGHTS**



#### D-CELL ECONOMY BARRICADE LIGHT REPLACEMENT PARTS

#	Model	Description
1	Z503.09*	Barricade Lens
2	04.BC3.CKT.A	D-Cell Economy Circuit
3	04.BC. EMITTER.A	LED and Holder
4	Z503.03**	Economy D-Cell Top
5	Z503.04**	Economy D-Cell Bottom
6	Z503.006	Nut Plate
7	Z503.008	Replacement Lens Screw
8	Z503.03D	D3 3.5 in. D Bolt
	Z503.013	Switch Pin (not pictured)
	Z503.017D	D Bolt Wrench (not pictured)
**S		LOR: A = AMBER, R = RED DLOR: Y = YELLOW AVAILABLE)



#### 6 VOLT ECONOMY BARRICADE LIGHT REPLACEMENT PARTS

#	Model	Description
1	Z503.09*	Barricade Lens
2	04.BC6.CKT.A	6 Volt Economy Circuit
3	04.BC. EMITTER	LED and Holder
4	Z506.015**	6 Volt Economy Top Case
5	Z506.016**	6 Volt Economy Bottom Case
6	Z503.006	Nut Plate
7	Z503.008	Replacement Lens Screw
8	Z503.03D	D3 3.5 in. D Bolt
	Z503.013	Switch Pin (not pictured)
	Z503.017D	D Bolt Wrench (not pictured)
**S		. <b>OR:</b> A = AMBER, R = RED DLOR: Y = YELLOW AVAILABLE)



# **LED2250 CLASS I BEACONS**

features new patent-pending cooling system

The only high-powered 15 watt LED beacon on the market that can be used as a steady burn, non-flashing beacon.

MONSTER LED2250 CLASS I LED BEACONS provide superior performance and exceptional value. These lights feature an ultra high efficiency power supply that produces more flashes while reducing the power draw, which minimizes maintenance and replacement costs.

LED2250 LED Beacons are independent lab-certified to meet SAE J845 Class II requirements and CA Title 13 and the circuit board is protected against reverse polarity. These durable lights are built with heavy duty materials to withstand the harsh weather and working conditions frequently experienced in construction and other industrial applications.

- Integrated heat sink allows LEDs to be driven at higher intensities without sacrificing performance
- Can be used as a steady burn, non-flashing beacon
- Lens and dust cover made from UV-stabilized polycarbonate
- Only high-powered, 15 watt LED beacon on the market that can be used as a steady burn, non-flashing beacon
- 10 changeable flash patterns including high intensity rotational light outtput
- Intelligent automatic dimming control included
- Magnet Mount option includes Neodymium anti-scratch magnets that are positioned wider on the base for superior holding power while eliminating vehicle scratches and scuffs
- Dual power plug switch allows user to easily switch flash patterns without leaving driver seat (including off)

#### MAINTAINS HIGHER LIGHT INTENSITY BY ELIMINATING HEAT

The base, lens and integrated heat sink of these beacons are designed to pull heat away from the LED lights. The heat is dissipated by air continually flowing through the inner heat sink. This enables



brighter modes of operation, including the slower rotational modes that produce large amounts of heat. All of this is done while still maintaining a water-proof compartment for all of the electronics.





Integrated Heat Sink to control heat

INDEPENDENT LAB-CERTIFIED TO MEET SAE-J845 CLASS I REQUIREMENTS AND CALIFORNIA TITLE 13

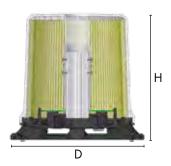
	LED2250 Specifications
Lens Color	Amber
Operating Voltage	12-48 Volts, DC
Maximum Current	1.5 A @ 12 VDC
Flash Patterns	10 Flash Patterns including Steady, Rotational Flash, HexaFlash, PentaFlash, Quad, Double, Day/Night mode, and more.
Flashes Per Minute (FPM)	120-360 Range (Varies per mode)
Lumen Output	2250
LED Count	24 LEDs
Base Diameter	6.4 Inches
Overall Height	High Dome - 6 in.; Low Dome - 4 in.
Mounting	Standard - 3 hole flange with three 12 in. wire pigtails. Optional bolt on attachment for 1"in. NPT pipe mount; Magnet - Combination 3 hole flange and 100 lb. pull magnet mount including 15 ft straight cord and 2-way switch power plug. Optional bolt on attachment for 1 in. NPT pipe mount.
Approval	Independent Lab Certified, SAE-J845 Class I; CA Title 13
Temperature Range	-60° F to 140° F (-50° C to 60° C)
Warranty	5 Year

#### **ADVANTAGES OF LED2250 CLASS I LED BEACONS**



## **HEAVY DUTY LED2250 BEACONS**

Model	Description	Lumens	Diameter	Height
SL.2250.HMA	LED Beacon Class 1 with Magnet Mount (3 hole flange, and 100 lb pull magnet mount including 15 ft straight cord and 2-way switch power plug) Optional 1 in. pipe mount.	2250	6.3 in. (16 cm)	6.5 in. (16.5 cm)
SL.2250.HSA	LED Beacon Class 1 with Standard Mount (3 hole flange with three 12 in. wire pigtails) Optional 1 in. pipe mount.	2250	6.3 in. (16 cm)	6.5 in. (16.5 cm)
SL.2250.LMA	LED Beacon Class 1 with Magnet Mount (3 hole flange, and 100 lb pull magnet mount including 15 ft straight cord and 2-way switch power plug) Optional 1 in. pipe mount.	2250	6.3 in. (16 cm)	4.65 in. (11.9 cm)
SL.2250.LSA	LED Beacon Class 1 with Standard Mount (3 hole flange with three 12 in. wire pigtails) Optional 1 in. pipe mount.	2250	6.3 in. (16 cm)	4.65 in. (11.9 cm)





# **LED1350 CLASS II LED BEACONS**

features new patent-pending cooling system

LED1350 CLASS II LED BEACONS provide superior performance and exceptional value. These lights feature an ultra high efficiency power supply that produces more flashes while reducing the power draw, which minimizes maintenance and replacement costs. LED1350 LED Beacons are independent lab-certified to meet SAE J845 Class II requirements and CA Title 13 and the circuit board is protected against reverse polarity. These durable lights are built with heavy duty materials to withstand the harsh weather and working conditions frequently experienced in construction and other industrial applications.

- Integrated heat sink allows LEDs to be driven at higher intensities without sacrificing performance
- Can be used as a steady burn, non-flashing beacon
- Lens and dust cover made from UV-stabilized polycarbonate
- Only high powered LED beacon on the market that can be used as a steady burn, non-flashing beacon
- 10 changeable flash patterns including high intensity rotational light output
- Intelligent automatic dimming control included
- Magnet Mount option includes Neodymium anti-scratch magnets that are positioned wider on the base for superior holding power while eliminating vehicle scratches and scuffs
- Dual power plug switch allows user to easily switch flash patterns without leaving driver seat (including off)





Integrated Heat Sink to control heat

INDEPENDENT LAB-CERTIFIED TO MEET SAE-J845 CLASS I REQUIREMENTS AND CALIFORNIA TITLE 13

#### MAINTAINS HIGHER LIGHT INTENSITY BY ELIMINATING HEAT

The base, lens and integrated heat sink of these beacons are designed to pull heat away from the LED lights. The heat is dissipated by air continually flowing through the inner heat sink. This enables



brighter modes of operation, including the slower rotational modes that produce large amounts of heat. All of this is done while still maintaining a water-proof compartment for all of the electronics.

	LED1350 Specifications
	•
Lens Color	Amber
Operating Voltage	12-48 Volts, DC
Maximum Current	750 mA @ 12 VDC
Flash Patterns	10 Flash Patterns including Steady, Rotational Flash, HexaFlash, PentaFlash, Quad, Double, Day/Night mode, and more.
Flashes Per Minute (FPM)	120-360 Range (Varies per mode)
Lumen Output	1350
LED Count	12 LEDs
Base Diameter	6.4 Inches
Overall Height	High Dome - 6 in.; Low Dome - 4 in.
Mounting	Standard - 3 hole flange with three 12 in. wire pigtails. Optional bolt on attachment for 1 in. NPT pipe mount; Magnet - Combination 3 hole flange and 100 lb. pull magnet mount including 15 ft straight cord and 2-way switch power plug. Optional bolt on attachment for 1 in. NPT pipe mount.
Approval	Independent Lab Certified, SAE-J845 Class I; CA Title 13
Temperature Range	-60° F to 140° F (-50° C to 60° C)
Warranty	5 Year

#### **ADVANTAGES OF LED1350 CLASS II LED BEACONS**



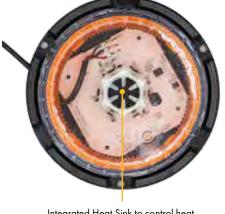
Integrated heat sink to control heat

Dome is now UV stabilized polycarbonate optic lens and clear CA 13 compliant dust cover and available in either a 4 in. or 6 in. height for increased visibility

High efficiency power supply produces multiple high intensity flashes while minimizing or eliminating RFI-producing spikes and electrical noise

2-Way Switch Power Plug





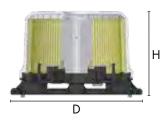
Integrated Heat Sink to control heat

Optional Neodymium anti-scratch magnets are positioned wider on the base for superior holding power

15 ft. power cord with 2-way switch power plug

## **HEAVY DUTY LED1350 BEACONS**

Model	Description	Lumens	Diameter	Height
SL.1350.HMA	LED Beacon Class II with Magnet Mount (3 hole flange, and 100 lb. pull magnet mount including 15 ft straight cord and 2-way switch power plug) Optional 1 in. pipe mount.	1350	6.4 in. (16.25 cm)	6.5 in. (16.5 cm)
SL.1350.HSA	LED Beacon Class II with Standard Mount (3 hole flange with three 12 in. wire pigtails) Optional 1 in. pipe mount.	1350	6.4 in. (16.25 cm)	6.5 in. (16.5 cm)
SL.1350.LMA	LED Beacon Class II with Magnet Mount (3 hole flange, and 100 lb pull magnet mount including 15 ft straight cord and 2-way switch power plug) Optional 1 in. pipe mount.	1350	6.4 in. (16.25 cm)	4.65 in. (11.9 cm)
SL.1350.LSA	LED Beacon Class II with Standard Mount (3 hole flange with three 12 in. wire pigtails) Optional 1 in. pipe mount.	1350	6.4 in. (16.25 cm)	4.65 in. (11.9 cm)





# **LED300 CLASS III BEACONS**

features superior performance & exceptional value

LED300 Class III LED Beacons provide superior performance and exceptional value. These lights feature a UV-stabilized polycarbonate dome and four high intensity LEDs for increased visibility.

LED300 LED BEACONS are independent lab-certified to meet SAE-J845 Class III requirements and the circuit board is protected against reverse polarity. These durable lights are built to withstand the harsh weather and working conditions frequently experienced in industrial applications.

- Four high intensity LEDs for increased visibility
- Can be used as a steady burn, non-flashing beacon
- High efficiency power supply
- Dome made from UV-stabilized polycarbonate
- Meets SAE-J845 Class III requirements
- Easy twist-on dome made from durable, UV-stabilized polycarbonate
- 8 flash patterns including steady (Additional Flash Patterns can be programmed)
- Magnet Mount option includes Neodymium anti-scratch magnets that are positioned wider on the base for superior holding power while eliminating vehicle scratches and scuffs
- Dual power cord switch allows user to easily switch flash patterns without leaving driver seat (including off)
- Optional 1/2 in. NPT Pipe Mount available as an accessory
- Made in the USA

	LED300 Specifications
Lens Color	Amber, Blue, White, Green, Red
Operating Voltage	12-48 Volts, DC
Amps	200mA to 700mA @ 12 Volts, DC
Flash Patterns	8 Flash Patterns including Steady, HexaFlash, PentaFlash, Quad, Double, Day/Night mode and more. (Additional Flash Patterns can be added)
Flashes Per Minute (FPM)	120-360 Range (Varies per mode)
Lumen Output	300
LED Count	4 High Intensity LEDs
Base Diameter	5.2 inches
Overall Height	4.4 inches
Mounting	Standard - 3 hole flange with three 12 in. wire pigtails; Magnet - Combination 3 hole flange with 40 lb pull magnet mount including 15 ft straight cord and 2-way switch power plug. 1/2 in. NPT Pipe mount kit sold separately.
Approval	Independent Lab Certified SAE-J845 Class III
Temperature Range	-60° F to 140° F (-50° C to 60° C)
Warranty	5 Year





INDEPENDENT LAB-CERTIFIED TO MEET SAE-J845 CLASS III REQUIREMENTS.

#### **ADVANTAGES OF LED300 CLASS III LED**



## **GENERAL PURPOSE LED300 LED BEACONS**

Model	Description	Lumens	Diameter	Height	
SL.300.M*	LED Beacon Class III with Magnet Mount (Combination 3 hole flange with 40 lb pull magnet mount, including 15 ft straight cord and 2-way switch power plug)	300	5.2 in. (13.2 cm)	4.4 in. (11.2 cm)	
SL.300.S*	LED Beacon Class III with Standard Mount (3 hole flange with three 12 in. wire pigtails)	300	5.2 in. (13.2 cm)	4.4 in. (11.2 cm)	
PIPEMOUNT300	Optional 1/2 in. NPT Pipe Mount for the LED300 LED Beaco	n only			
*SPECIFY LENS	COLOR AFTER MODEL NUMBER: A = AMBER, R = RED, W =	WHITE, B	= BLUE, G = GREEN		D



# **STROBE LIGHTS**

The most intelligent strobe light on the market

MONSTER STROBE LIGHTS provide superior performance and exceptional value. With four exclusive user-selectable operating patterns, our Heavy Duty and Micro Strobes provide multiple strobe functions in one light. These lights feature a state-of-the-art, ultra high efficiency power supply that produces more flashes while reducing the power draw, minimizing maintenance and replacement costs. STROBE LIGHTS are independent lab-certified to meet SAE J845 Class I requirements and are reverse polarity circuit board protected.

For easy mounting MONSTER HEAVY DUTY 310 STROBES come standard with a universal combination 1 in. NPT Pipe mount with 3-hole flange base, or adding an optional magnet mount kit makes it an all in ONE strobe to minimize inventory costs. Lights include reverse polarity circuit board protection. These durable lights are built with heavy duty materials to withstand the harsh weather and working conditions frequently experienced in construction and other industrial applications. They are rated at operating temperatures ranging from  $-60^{\circ}$  F to  $140^{\circ}$  F (- $50^{\circ}$  C to  $60^{\circ}$  C).

- Independent Lab-Certified SAE J845 Class I
- Combination Mount reduces inventory requirements
- Ambient sensing mode changes

#### **ADVANTAGES OF STROBE LIGHTS**



- 4 User selectable patterns, including Ultra-bright HexaFlash™, Penta- Flash™, Quad and Double
- The most intelligent strobe light on the market

### **STROBE TYPE SPECIFICATIONS**

	Micro Strobe - SL.208	Heavy Duty - SL.310
Lens Color	Amber, Blue, Clear, Green, Red	Amber, Blue, Clear, Green, Red
Operating Voltage	12-48 Volts, DC	12-48 Volts, DC
Amps	1 Amp @ 12 Volts, DC	1 Amp @ 12 Volts, DC
Flash Pattern	4 modes including HexaFlash™, PentaFlash™, Quad, Double, and Day/Night mode	4 modes including HexaFlash™, PentaFlash™, Quad, Double, and Day/Night mode
Flashes Per Minute (FPM) 2250 Lumens	120-360 Varies per mode	120-360 Varies per mode
Joule Rating	12.5 Joules	12.5 Joules
Base Diameter	5.125 in.	6.4 in.
Overall Height	4.6 in.	L= Low Dome 4.4 in.; H= High Dome 6.25 in.
Mounting	3 hole flange or 80 lb pull magnet mount with 15 ft. power cord with 2-way switch power plug	Combination 1 in. NPT pipe mount with 3 hole flange <b>OR</b> 100 lb. pull magnet mount kit with 10 ft. straight cord with lighter plug and built in on/off switch.
Approval	Independent Lab Certified SAE J845 Class II	Independent Lab Certified SAE J845 Class I; Title 13
Temperature Range	-60° F to 140° F (-50° C to 60° C)	-60° F to 140° F (-50° C to 60° C)
Warranty	2 Year, excluding strobe tube	2 Year, excluding strobe tube

## **MICRO STROBE - SL.208**

Model	Description
SL.208.S.*	Micro Strobe with Standard 3 hole flange mount and three 12 in. pigtails
SL.208.M.*	Micro Strobe with Magnetic Base and Power Cord
03.SL208.TUBE	Replacement Linear Flash Tube
Z507.03	Replacement Lens for Micro Strobe
*SPECIFY LENS CO	DLOR AFTER MODEL NUMBER: A = AMBER, R = RED, W = WHITE, B = BLUE, G = GREEN

## **HEAVY DUTY STROBE - SL.310**

Model	Description
SL.310.HS.*	HD 310 Strobe with 6.25 in. Dome and 1 in. NPT Pipe Mount with three 12 in. pigtails
SL.310.LS.*	HD 310 Strobe with 4.25 in. Dome and 1 in. NPT Pipe Mount with three 12 in. pigtails
SL.KIT	100 lb pull magnet with hardware and 15 ft straight cord with 2-way switch power plug
03.HD310.TUBE	Replacement Helix Flash Tube
Z450.034	Replacement 4.4 in. Low Dome Lens
Z450.036	Replacement 6.25 in. High Dome Lens
*SPECIFY LENS COLOR AFTER MODEL NUMBER: A = AMBER, R = RED, W = WHITE, B = BLUE, G = GREEN	







LED300 Class III Beacon on truck.



Triangular Vehicle Identification Light on a dozer.



Barricade lights at construction site.



48 in. x 36 in. Rectangular Vehicle Identification Light on a mine dragline.

# **NOTES**


#### MONSTER<sup>™</sup>

620 Compton St. Broomfield, CO 80020

**PHONE:** (800) 438-9336

FAX: (720) 890-4858

**EMAIL:** sales@checkers-safety.com

www.monster-safety.com





Checkers Safety Group<sup>®</sup> is committed to providing revolutionary product designs and visionary safety solutions that protect people, assets, and the environment.

#### CHECKERS' FAMILY OF BRANDS:







For more information, visit: www.checkers-safety.com