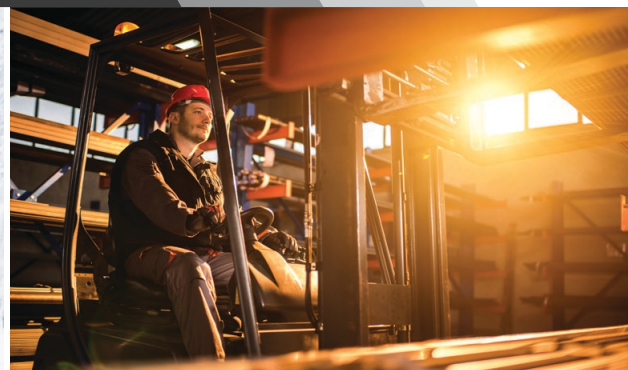


BE VISIBLE & BE SAFE

WARNING & HAZARD SOLUTIONS

AVERTISSEMENT ET DANGER ÉCLAIRAGE

ADVERTENCIA Y PELIGRO ILUMINACIÓN



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Backup Alarms



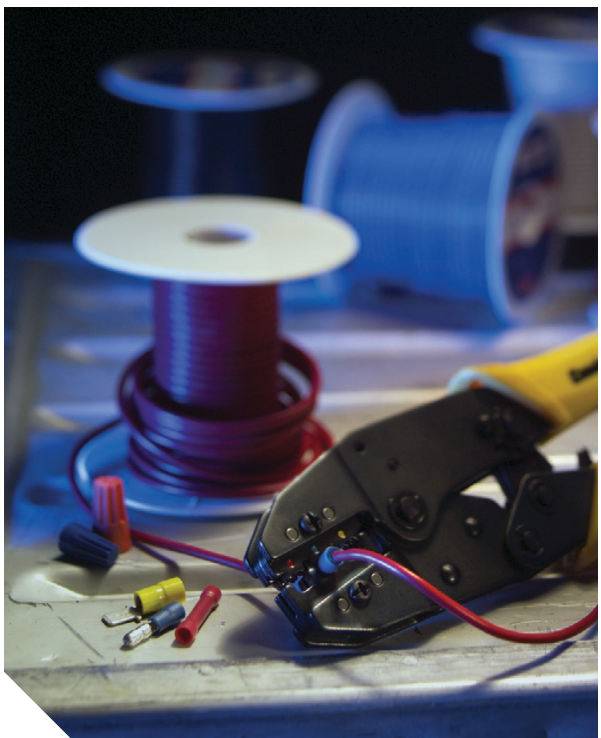
7

LED Beacons



24

Heated LED Lamps



26

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Connect & Protect



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20

LED Directional Lights

VISIBILITY & SAFETY MATTERS



CHOOSE THE RIGHT PRODUCT FOR YOUR SPECIFIC APPLICATION AND NEED.

YOUR SAFETY AND THE SAFETY OF OTHERS DEPENDS ON IT!

Not all warning lights are created equal.

Know the certification and regulations for your application and choose the products that will work as hard as you do! Safety first and foremost! Choose from a variety of mounting options, including Permanent mount, Magnet mount and Vacuum/Magnet mount solutions.

Select the proper mounting option for your specific needs and application.

Permanent-mount lighting should be used for vehicles that will be utilized in over-the-road applications. Magnet or Vacuum/Magnet mounted lighting options should only be used on vehicles that are not in motion, ie: stationary at a job site, off to the side of the road, etc.

You need to be seen while you are working and others need to see you — be visible at all times!

When it comes to audible warning devices, not all backup alarms are the same.

Choose the backup alarm that best suits the conditions that the alarm will be used in. Grote offers a wide variety of alarms, including heavy duty, medium duty and light duty options. Our alarms are available in a variety of audible tones, from standard beeping to the newest multi-frequency output. Adjustable volume levels allow for coverage in all conditions and applications.

Grote's versatile backup alarms are available in both surface mount and grommet mount options and are designed to reliably perform in a wide variety of difficult environments and harsh conditions.

Choose the right alarm that will best suit your unique environments.



ELECTRO-MAGNETIC COMPLIANCE

No need to worry about Electro-Magnetic Compliance (EMC). Grote's new line of LED Lighting products have been put through rigorous Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) testing to help ensure our customers will have years of worry-free operation.

SAE STANDARDS/CERTIFICATIONS

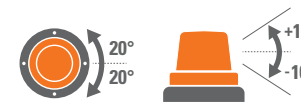
WHAT WE NEED TO KNOW AND WHY

There are two primary SAE Certifications to be aware of:



SAE J845 – Omnidirectional Optical Warning Device

A flashing optical warning device that projects light in a horizontal 360 degree arc and vertically from 5 degrees up to 5 degrees down. It will appear to project flashes of light to an observer positioned at a fixed location. The flashes of light may be a repetitive signal or a non-repetitive signal. If a non-repetitive signal is used, it shall be a block of repetitive signals that have been characterized. This includes all 360° beacons.



SAE J595 – Directional Flashing Optical Warning Device

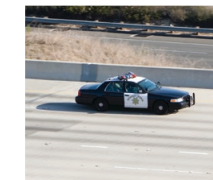
A flashing optical warning device, in which the light source produces flashes of light, which is directionally aimed and will project a signal over a minimum area from 20° right to 20° left in a horizontal plane and from 10° up to 10° down in a vertical plane. The flashes of light may be a repetitive signal or a non-repetitive signal. If a non-repetitive signal is used, it shall be a block of repetitive signals that have been characterized.

S-LINK™ TECHNOLOGY

S-Link™ System is a proprietary technology that allows similar S-Link products to be synchronized. This would allow for a user to define the flash patterns on multiple devices for a customized, tailored look on a vehicle. Note: Only S-Link compatible products can be synchronized together. Refer to user installation manuals for details on S-Link Synchronization.

CLASS I, II, III

WHICH IS TO BE USED AND WHERE?



Class I Optical Warning Devices

Engineered to capture the attention of motorists and pedestrians and warn of a potentially hazardous activity or situation, these optical warning devices can be used in many applications, including on authorized emergency vehicles traveling faster than the speed of traffic.



Typical Usage:

First Responders, Utility and Service, Snow Removal, Towing and Construction



Class II Optical Warning Devices

Engineered for use on authorized maintenance or service vehicles to warn of traffic hazards such as a lane blockage or a slow-moving vehicle, these devices are designed for visibility while traveling at the speed of traffic or while stopped on the side of the road.



Typical Usage:

Utility and Service, Roadside Assistance, Construction, Snow Removal and Agriculture



Class III Optical Warning Devices

Engineered for use on vehicles authorized to display an optical warning device for identification only, these devices are designed to provide extra visibility and safety to equipment and vehicles used on private property.

Typical Usage:

Forklifts, Property Maintenance and Construction

BACKUP ALARMS



73040

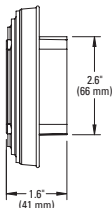
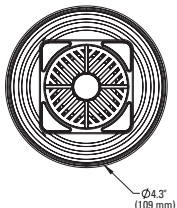
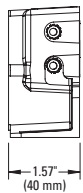
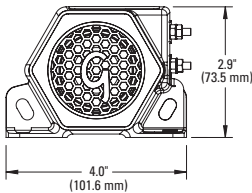


73080

FEATURES & BENEFITS

- Rugged construction with glass-filled nylon housings
- Universal mounting including grommet mounted products
- Available in a range of decibel output levels to fit wide variety of application needs
- Select the output volume based on the ambient noise levels of the environment where the alarms will be in use

VOLTAGE: 12 TO 24 VDC
AMP DRAW: 0.1 AMPS – 0.5 AMPS @ 12 VDC



PART	DESCRIPTION	DECIBELS	VOLTAGE	APPROVALS
73040	Backup Alarm, Medium Duty	97 dB	12/24 V	SAE J994 Type C
73090	Backup Alarm, Medium Duty	107 dB	12/24 V	SAE J994 Type B
73110	Backup Alarm, Self Adjusting	82 dB to 102 dB	12/24 V	SAE J994 Type F
73250	Backup Alarm, Reverse Mounted Speaker	107 dB	12/24 V	SAE J994 Type B
73070	Backup Alarm, Reverse Mounted Speaker	112 dB	12/24 V	SAE J994 Type A
73240	Backup Alarm, Reverse Mounted Speaker, Self Adjusting	87 dB to 107 dB	12/24 V	SAE J994 Type F
73080	Backup Alarm, Reverse Mounted Speaker, Self Adjusting	87 dB to 112 dB	12/24 V	SAE J994 Type F
73030	Backup Alarm, Reverse Mounted Speaker, Selectable	107 dB or 112 dB	12/24 V	SAE J994 Type F
73310	Backup Alarm, Spectrum Multi Frequency, Reverse Mount	97 dB	12/24 V	SAE J994 Type C
73170	Backup Alarm, Spectrum Multi Frequency, Reverse Mount	107 dB	12/24 V	SAE J994 Type B
73220	Backup Alarm, 4" Grommet Mount	97 dB	12/24 V	SAE J994 Type C
73160	Backup Alarm, 4" Grommet Mount	107 dB	12/24 V	SAE J994 Type B
73350	Backup Alarm, Dual Function	97 dB	12/24 V	SAE J994 Type C*
73020	Dual Alert Smart Alarm	87 dB to 112 dB	12/24 V	SAE J994 Type F
73360	Dual-Tone Warning Alarm	97 dB	12/24 V	
73370	Dual-Tone Warning Alarm	102 dB	12/24 V	
73420	Dual-Tone Warning Alarm, 4" Grommet Mount	102 dB	12/24 V	

* Meets SAE J994 in Single Tone Mode (red wire to power, black wire to ground)

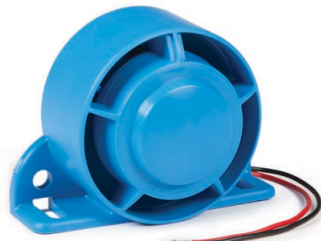
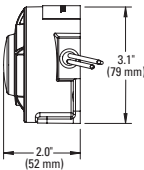
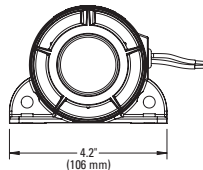
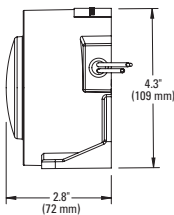
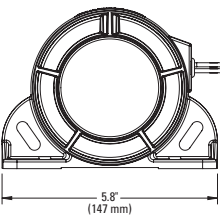
"WHITE NOISE" BACKUP ALARMS



FEATURES & BENEFITS

- "White noise" function reduces noise pollution (ideal for use in residential areas)
- Rugged construction with glass-filled nylon housings
- Universal mounting including grommet mounted products
- Available in a range of decibel output levels to fit wide variety of application needs
- Select the output volume based on the ambient noise levels of the environment where the alarms will be in use

VOLTAGE: 12 TO 24 VDC
AMP DRAW: 0.1 AMPS – 0.5 AMPS @ 12 VDC



73450



73340



73480



PART	DESCRIPTION	DECIBELS	VOLTAGE	APPROVALS
73340	Backup Alarm, Multi Frequency, "White Noise", Standard Mount	97 dB	12/24 V	SAE J994 Type C
73430	Backup Alarm, Multi Frequency, Smart Alarm, "White Noise", Reverse Mount	87-107 dB	12/24 V	SAE J994 Type F
73440	Backup Alarm, Multi Frequency, Smart Alarm, "White Noise", Reverse Mount	77-97 dB	12/24 V	SAE J994 Type F
73450	Backup Alarm, Multi Frequency, "White Noise", Reverse Mount	97 dB	12/24 V	SAE J994 Type C
73460	Backup Alarm, Multi Frequency, "White Noise", Reverse Mount	102 dB	12/24 V	SAE J994 Type F
73470	Backup Alarm, Multi Frequency, "White Noise", Reverse Mount	107 dB	12/24 V	SAE J994 Type B
73480	Backup Alarm, Multi Frequency, "White Noise", Grommet Mount	97 dB	12/24 V	SAE J994 Type C

LED BEACON, CLASS I, TALL DOME

PERMANENT MOUNT



79073

FEATURES & BENEFITS

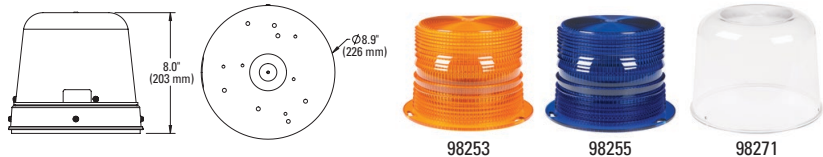
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Durable polycarbonate inner lens and outer dome
- Clear, smooth outer dome for easy cleaning and inner lens protection
- Heavy-duty, spun aluminum base with plastic base insert
- Designed for a wide range of light-duty and heavy-duty vehicles
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- High-Low power available on single color beacons
- Ability to isolate colors on dual-color models
- 5-year warranty

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.6 AMPS @ 12 VDC, 0.3 AMPS @ 24 VDC

APPROVALS: SAE J845 CLASS I AMBER WHITE SAE J845 CLASS II BLUE

NOT SAE APPROVED: GREEN AMBER GREEN



PART #	DESCRIPTION	COLOR
78010	LED Beacon, Class I, Tall Dome	Amber/Blue/Clear Dome
78013	LED Beacon, Class I, Tall Dome	Amber/Clear Dome
79071	LED Beacon, Class I, Tall Dome	White/Clear Dome
79073	LED Beacon, Class I, Tall Dome	Amber/Clear Dome
79075	LED Beacon, Class II, Tall Dome	Blue/Clear Dome
79074	LED Beacon, Tall Dome†	Green/Clear Dome
79070	LED Beacon, Tall Dome†	Amber/Green/Clear Dome
SERVICE PARTS		
98251	Internal Replacement Lens	Clear
98253	Internal Replacement Lens	Amber
98255	Internal Replacement Lens	Blue
98271	Replacement Outer Dome	Clear

Rotating Flash Pattern † Not SAE approved

PERMANENT MOUNT, VACUUM MAGNET MOUNT

LED BEACON, CLASS I

FEATURES & BENEFITS

- 12 different selectable flash patterns in either of two phases, plus steady-on
- Extremely low current draw. Circuit board is conformal coated to protect circuitry
- Durable polycarbonate twist-on/off lens
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- Durable, lightweight polycarbonate base, flanged 3-hole permanent mount, 1" pipe mount, vacuum magnet mount with aux. plug (on/off and pattern select switch)
- 5-year warranty

PERMANENT MOUNT

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.5 AMPS @ 12 VDC

VACUUM MAGNET

VOLTAGE: 12 VDC

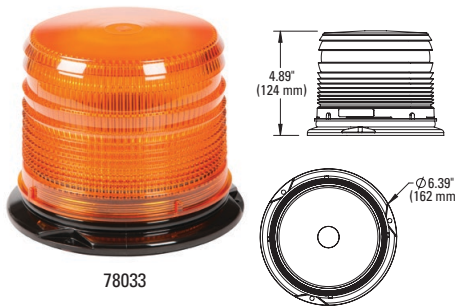
AMP DRAW: 0.5 AMPS @ 12 VDC

APPROVALS: SAE J845 CLASS I AMBER WHITE RED SAE J845 CLASS II BLUE



PART #	DESCRIPTION	MOUNT	COLOR
SHORT LENS			
78031	LED Beacon, Class I, Short Lens	Permanent	White
78041	LED Beacon, Class I, Short Lens	Vacuum Magnet	White
78033	LED Beacon, Class I, Short Lens	Permanent	Amber
78043	LED Beacon, Class I, Short Lens	Vacuum Magnet	Amber
78035	LED Beacon, Class II, Short Lens	Permanent	Blue
78045	LED Beacon, Class II, Short Lens	Vacuum Magnet	Blue
78030	LED Beacon, Class I, Short Lens	Permanent	Amber w/Clear Lens
78032	LED Beacon, Class I, Short Lens	Permanent	Red
78034	LED Beacon, Class I, Short Lens†	Permanent	Green
79293	LED Beacon, Class I, Metal Base	Permanent	Amber
TALL LENS			
78051	LED Beacon, Class I, Tall Lens	Permanent	White
78053	LED Beacon, Class I, Tall Lens	Permanent	Amber
78055	LED Beacon, Class II, Tall Lens	Permanent	Blue
78050	LED Beacon, Class I, Tall Lens	Permanent	Amber w/Clear Lens
78052	LED Beacon, Class I, Tall Lens	Permanent	Red
78054	LED Beacon, Class I, Tall Lens†	Permanent	Green
SERVICE PARTS			
98221	Replacement Short Lens		Clear
98223	Replacement Short Lens		Amber
98225	Replacement Short Lens		Blue
98222	Replacement Short Lens		Red
98224	Replacement Short Lens		Green
98171	Replacement Tall Lens		Clear
98173	Replacement Tall Lens		Amber
98175	Replacement Tall Lens		Blue
98172	Replacement Tall Lens		Red
98174	Replacement Tall Lens		Green
98470	Branch Guard (Low Profile)		
98460	Branch Guard (High Profile)		

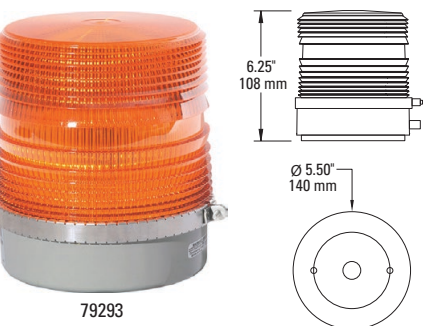
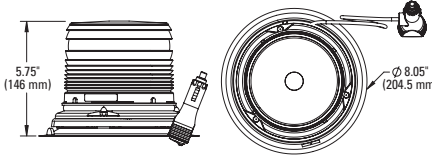
† Not SAE approved



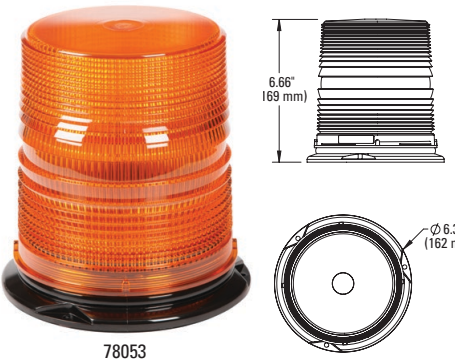
78033



78043



79293



78053

LED BEACON, CLASS II, SHORT LENS

PERMANENT MOUNT, VACUUM MAGNET MOUNT



78853



78851



78863



78855



78861

FEATURES & BENEFITS

- 26 selectable flash patterns, plus steady-on
- Circuit board is conformal coated to protect circuitry
- Durable, lightweight polycarbonate base, comes in three mounting options: flanged 3-hole permanent mount, 1" pipe mount, vacuum magnet mount with aux. plug (on/off and pattern select switch)
- 5-year warranty

PERMANENT MOUNT

VOLTAGE: 12 TO 24 VDC

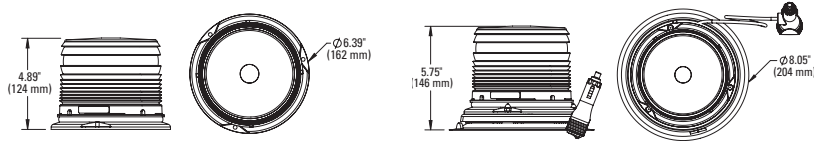
AMP DRAW: 0.4 AMPS – 0.35 AMPS @ 12 VDC

VACUUM MAGNET

VOLTAGE: 12 VDC

AMP DRAW: 0.4 AMPS – 0.35 AMPS @ 12 VDC

APPROVALS: SAE J845 CLASS II ● AMBER ○ WHITE ● BLUE SAE J845 CLASS III ● BLUE



PART #	DESCRIPTION	MOUNT	COLOR
78851	LED Beacon, Class II	Permanent	○ White
78853	LED Beacon, Class II	Permanent	● Amber
78855	LED Beacon, Class III	Permanent	● Blue
78861	LED Beacon, Class II	Vacuum Magnet	○ White
78863	LED Beacon, Class II	Vacuum Magnet	● Amber
78865	LED Beacon, Class III	Vacuum Magnet	● Blue
SERVICE PARTS			
98221	Replacement Short Lens		○ Clear
98223	Replacement Short Lens		● Amber
98225	Replacement Short Lens		● Blue
98470	Branch Guard (Low Profile)		

PERMANENT MOUNT

LED BEACON, CLASS II, TALL LENS



FEATURES & BENEFITS

- 26 selectable flash patterns, including steady-on
- Circuit board is conformal coated to protect circuitry
- Universal flanged base is made of durable, lightweight polycarbonate
- Available in 3-hole permanent mount and 1" pipe mount options
- 5-year warranty

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.4 AMPS – 0.35 AMPS @ 12 VDC

APPROVALS: SAE J845 CLASS II ● AMBER ○ WHITE ● BLUE



PART #	DESCRIPTION	COLOR
78061	LED Beacon, Class II, Tall Lens	○ White
78063	LED Beacon, Class II, Tall Lens	● Amber
78065	LED Beacon, Class II, Tall Lens	● Blue
SERVICE PARTS		
98171	Replacement Tall Lens	○ Clear
98173	Replacement Tall Lens	● Amber
98175	Replacement Tall Lens	● Blue
98460	Branch Guard (High Profile)	



78063



78061



78065

LED BEACON, CLASS I DUAL COLOR, PERMANENT MOUNT



78071



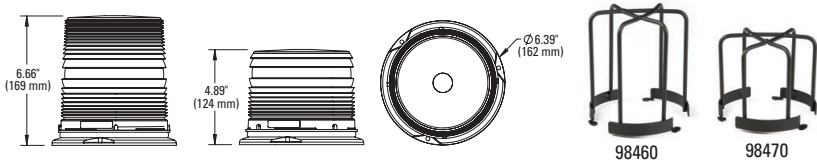
78081

FEATURES & BENEFITS

- 12 selectable flash patterns, including steady-on
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- Change color selection with the flip of a switch
- Available in 3-hole permanent mount and 1" pipe mount options
- Circuit boards are conformal coated to protect circuitry
- 5-year warranty

VOLTAGE: 12 TO 24 VDC
AMP DRAW: 0.6 AMPS @ 12 VDC, 0.3 AMPS @ 24 VDC

APPROVALS: SAE J845 CLASS I



PART #	DESCRIPTION	COLOR
78071	LED Beacon, Class I, Short Lens	Amber/White w/Clear Lens
78075	LED Beacon, Class I, Short Lens	Amber/Blue w/Clear Lens
78070	LED Beacon, Short Lens†	Amber/Green w/Clear Lens
98470	Branch Guard (Low Profile)	
78081	LED Beacon, Class I, Tall Lens	Amber/White w/Clear Lens
78085	LED Beacon, Class I, Tall Lens	Amber/Blue w/Clear Lens
78080	LED Beacon, Tall Lens†	Amber/Green w/Clear Lens
98460	Branch Guard (High Profile)	
SERVICE PARTS		
98171	Replacement Tall Lens	Clear
98221	Replacement Short Lens	Clear

† Not SAE approved

PERMANENT MOUNT, MAGNET MOUNT LED MINI BEACON, CLASS I

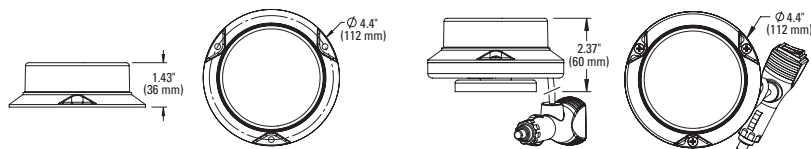


FEATURES & BENEFITS

- 12 customer selectable flash patterns in either of two phases, plus steady-on
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- Polycarbonate lens and base (Ultrasonic welded); Polarity protected
- Three-hole, permanent mount and magnet mount with pattern select aux. plug

VOLTAGE (PERMANENT MOUNT): 9 TO 32 VDC | VOLTAGE (MAGNET MOUNT): 12 VDC
AMP DRAW: 0.4 AMPS @ 12 VDC

APPROVALS: SAE J845 CLASS I Amber White Red Blue SAE J845 CLASS III Green



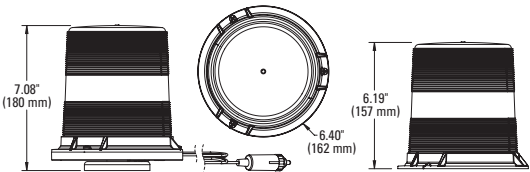
PART #	DESCRIPTION	MOUNT	COLOR
79243	LED Mini Beacon, Class I	Permanent	Amber w/Amber Lens
79240	LED Mini Beacon, Class I	Permanent	Amber w/Clear Lens
79241	LED Mini Beacon, Class I	Permanent	White w/Clear Lens
79242	LED Mini Beacon, Class I	Permanent	Red w/Clear Lens
79245	LED Mini Beacon, Class I	Permanent	Blue w/Clear Lens
79244	LED Mini Beacon, Class III	Permanent	Green w/Clear Lens
79253	LED Mini Beacon, Class I	Magnet	Amber w/Amber Lens
79250	LED Mini Beacon, Class I	Magnet	Amber w/Clear Lens
79251	LED Mini Beacon, Class I	Magnet	White w/Clear Lens
79252	LED Mini Beacon, Class I	Magnet	Red w/Clear Lens
79255	LED Mini Beacon, Class I	Magnet	Blue w/Clear Lens
79254	LED Mini Beacon, Class III	Magnet	Green w/Clear Lens
93605	Mounting Bracket for LED Mini Beacon		



INTERMODAL CLASS LED BEACON



79303



FEATURES & BENEFITS

- Meets SAE W3-1 (Class 1) standards for maximum warning performance in heavy-equipment & container zones
- Tall profile + high-intensity double flash (247 FPM) ensures you're seen over containers, trailers, and rail cars
- Recessed Deutsch connector on the base protects wiring from moisture, impact, and corrosion—ideal for harsh port conditions
- Seamless IP67-rated housing delivers reliable performance in wet, dusty, and high-vibration environments
- Wide 10–32 VDC operating range allows installation on virtually any intermodal or yard vehicle
- Ultra-efficient design draws just 0.5A at 12VDC to reduce electrical load
- Wide temperature tolerance for dependable operation in extreme heat and cold
- Perfect for reach stackers and top loaders, straddle carriers and gantry cranes, yard tractors and terminal trucks, rail-mounted container handlers, forklifts and heavy port service vehicles

PERMANENT MOUNT

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.3 AMPS @ 28 VDC

MAGNET MOUNT

VOLTAGE: 12 VDC

AMP DRAW: 0.5 AMPS

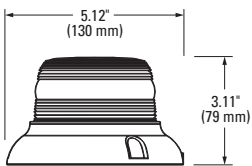
APPROVALS: SAE W3-1 CLASS I

PART #	DESCRIPTION	MOUNT	COLOR
79303	Intermodal Class LED Beacon, Class I	Permanent	Amber
79313	Intermodal Class LED Beacon, Class I	Magnetic	Amber

AIRPORT CLASS LED BEACON



79363-5



ICAO/CAP168
STANDARD

FEATURES & BENEFITS

- Meets CAP 168 and ICAO standards for compliant airport and aviation facility use
- 7 selectable flash patterns provide flexible signaling for multiple ground operations
- IP67-rated housing delivers reliable performance in wet, dusty, and high-vibration conditions
- Fresnel lens optics ensure 360° visibility, including from above
- Wide temperature range supports reliable operation in extreme climates
- Operating Temperature: -30°C (-22°F) TO 60°C (140°F)

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 1.5 AMPS @ 12 VDC, 0.75 AMPS @ 24 VDC

APPROVALS: SAE J845 CLASS I, ECE R65 CLASS I, CE, UKCA, ECE R10, ECE R65 (TA1), ICAO/CAP168, MEETS CISPR 25 CLASS III

PART #	DESCRIPTION	COLOR
79363-5	Airport Class LED Beacon	Amber

LED MATERIAL HANDLING BEACON



FEATURES & BENEFITS

- 28 selectable flash patterns, plus 2 steady-on
- 78113: selectable Single, Double or Quad flash patterns
- Circuit board is conformal coated to protect circuitry
- Twist-off lens for ease of replacement, Lightweight, durable polycarbonate base
- 78093: flanged 3-hole permanent mount, 78113: flanged 2-hole permanent mount, 78103: magnet mount with aux. plug
- 5-year Warranty: 78093 & 78103, 1-year Warranty: 78113

SHORT LENS

VOLTAGE: 12 TO 72 VDC

AMP DRAW:

.17 AMPS @ 12 VDC

SHORT LENS, MAGNET MOUNT

VOLTAGE: 12 VDC

AMP DRAW:

.22 AMPS @ 12 VDC

TALL LENS

12 TO 72 VDC

AMP DRAW:

1.2 AMPS @12 VDC

APPROVALS: SAE J845 CLASS II 78093, 78103

SAE J845 CLASS III 78113 BLUE WHITE NOT SAE APPROVED: RED GREEN

PART #	DESCRIPTION	MOUNT	COLOR
78093	LED Material Handling, Class II, Short Lens	Permanent	Amber
78113	LED Material Handling, Class III, Tall Lens	Permanent	Amber
78091	LED Material Handling, Class III, Short Lens	Permanent	White
78092	LED Material Handling, Class III, Short Lens	Permanent	Red
78094	LED Material Handling, Short Lens [†]	Permanent	Green
78095	LED Material Handling, Class III, Short Lens	Permanent	Blue
78103	LED Material Handling, Class II, Short Lens	Magnet	Amber
78101	LED Material Handling, Class III, Short Lens	Magnet	White
78102	LED Material Handling, Class III, Short Lens	Magnet	Red
78104	LED Material Handling, Short Lens [†]	Magnet	Green
78105	LED Material Handling, Class III, Short Lens	Magnet	Blue

SERVICE PARTS

98283	7809 Replacement Lens – 3" Height	Amber
98293	7809 Replacement Lens – 3.9" Height	Amber
98281	7809-7810 Replacement Lens – 3" Height	Clear
98282	7809-7810 Replacement Lens – 3" Height	Red
98284	7809-7810 Replacement Lens – 3" Height	Green
98285	7809-7810 Replacement Lens – 3" Height	Blue

[†] Not SAE approved



78093

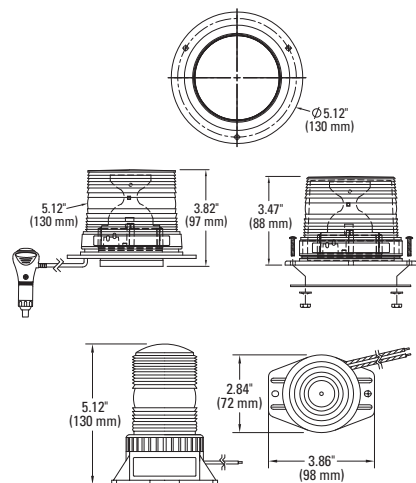
78113



78094

78095

78102



LED COMPACT BEACON

PERMANENT MOUNT, MAGNET MOUNT

FEATURES & BENEFITS

- 79093: 12 different selectable flash patterns, plus steady-on
- 79183 & 79193: 26 different selectable flash patterns, including steady-on
- Compact design with super bright LED light output that conforms to SAE J845
- Durable, lightweight polycarbonate construction featuring either a permanent mount base with ½" pipe mount or a magnet mount with auxiliary plug
- Auxiliary plug (with on/off and pattern select switch)
- Ideal for mirror-mount applications or where low-profile lamps are beneficial

79093/79183 VOLTAGE: 12 TO 24 VDC

79093/79183 AMP DRAW: 0.4 AMPS @ 12 VDC

79193 VOLTAGE: 12 VDC

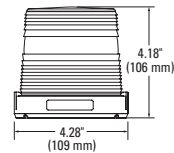
79193 AMP DRAW: 0.4 AMPS @ 12 VDC

APPROVALS: SAE J845 CLASS I, SAE J845 CLASS II

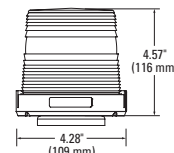
PART #	DESCRIPTION	MOUNT	COLOR
79093	LED Compact Beacon, Class I	Permanent	Amber
79183	LED Compact Beacon, Class II	Permanent	Amber
79193	LED Compact Beacon, Class II	Magnet	Amber
79184	LED Compact Beacon	Permanent	Green
ACCESSORIES			
98513	7909 Amber Replacement Lens		Amber
93604	1/2" Mirror Mounting Bracket		
93604-KIT	1/2" Mirror Mounting Bracket, Wiring & Connectors		



79093



Permanent Mount



Magnet Mount



93604



79183



79193



79184

DIN MOUNT LED BEACON

FEATURES & BENEFITS

- Quad flash pattern
- Modular circuit completely encapsulated for increased shock/weather resistance
- Lightweight and durable polycarbonate base with flexible DIN mount
- 5-year Warranty

VOLTAGE: 12 TO 24 VDC

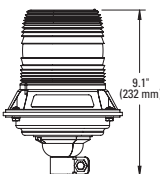
AMP DRAW: 0.4 AMPS @ 12 VDC

APPROVALS: SAE J845 CLASS II Amber Blue SAE J845 CLASS III Red

PART #	DESCRIPTION	COLOR
78122	LED Beacon, Class III, DIN Mount	Red
78123	LED Beacon, Class II, DIN Mount	Amber
78125	LED Beacon, Class II, DIN Mount	Blue
SERVICE PARTS		
43665	Mounting Stem	



78123



43665



78125



78122

BATTERY OPERATED

MINI MAGNETIC BEACON

FEATURES & BENEFITS

- High-strength magnetic base holds firmly in place in tough conditions
- 3 flash patterns: Rotating (SAE Class I or SAE Class II), SOS Flash, Steady On
- Lithium-ion battery fully charges in 2 hours via USB-C connection
- Durable aluminum, polycarbonate, and ABS construction
- Operating temperature: -20°C (-4°F) to +50°C (+122°F)
- IP65 durability rating, with SAE, UKCA, and CE approvals
- 3-year warranty

APPROVALS: SAE J845 CLASS I SAE J845 CLASS II

PART #	DESCRIPTION	MOUNT	COLOR
79353-5	Mini Magnetic LED Beacon	Magnetic	Amber



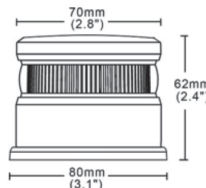
79353-5



MAGNETIC MOUNT



BATTERY POWERED

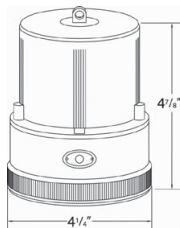


BATTERY OPERATED

360° PORTABLE LED WARNING BEACON

FEATURES & BENEFITS

- 360° LED Beacon
- 60 triple flashes per minute
- 24 ultra-bright LEDs help conserve battery life
- 300-400 hours of operation on two D batteries (not included)
- Strong magnet base holds lamp in place on a metal surface
- Photocell adjust intensity for low light situation



PART #	DESCRIPTION	MOUNT	COLOR
77912	Battery Operated 360° LED Warning Beacon	Magnetic	Red
77913	Battery Operated 360° LED Warning Beacon	Magnetic	Amber



77913



MAGNETIC MOUNT



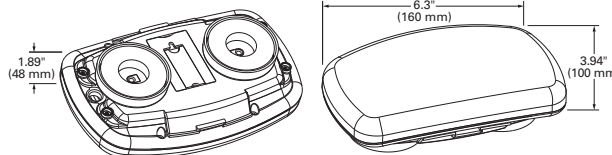
BATTERY POWERED

BATTERY OPERATED

MAGNETIC LED WARNING LAMPS

FEATURES & BENEFITS

- Mag mount attaches securely to back of vehicle or optional galvanized bracket
- Flashing or steady-on operation
- Requires 4 x AA batteries (*not included*)
- Features two heavy-duty magnets



WARNING: Magnetic mounted lamps are not recommended for use on moving vehicles, nor are they intended as a permanent mounted warning lamp.

PART #	DESCRIPTION	COLOR
79202-5	LED Magnetic Warning Lamp	Red
79203-5	LED Magnetic Warning Lamp	Amber
ACCESSORY		
42380	Galvanized Bracket	



79202-5



79203-5



MAGNETIC MOUNT



BATTERY POWERED

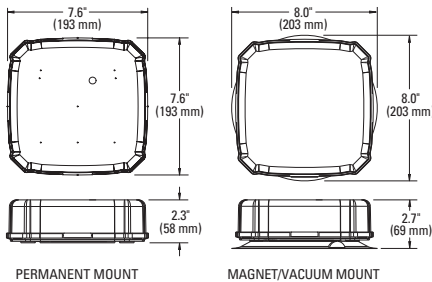
SQUARE LED MINIBAR, CLASS I



79220



79233



FEATURES & BENEFITS

- With four bright LED heads producing 360° output, this powerful unit is also the smallest Minibar Grote offers
- 12 customer selectable flash patterns plus steady-on, and the permanent mount version offers two phases of output, high or low
- S-Link™ 2.0 System offers synchronizing capabilities with other Grote LED S-Link units
- Available in permanent mount option and a vacuum/magnet mount with pattern select switch and 11' power cord
- All models are rated to SAE Class I to provide optimum safety for your vehicles and equipment
- Base material: 33% Glass Filled Nylon, Lens Material: Polycarbonate
- 5-year Warranty

VOLTAGE: 12 VDC
AMP DRAW: 1.2 AMPS

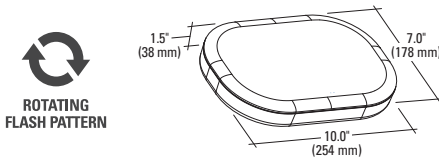
APPROVALS: SAE J845 CLASS I

PART #	DESCRIPTION	MOUNT	COLOR
PERMANENT MOUNT			
79220	Square LED Minibar	Permanent	Amber w/ Clear Lens
79221	Square LED Minibar	Permanent	White w/ Clear Lens
79223	Square LED Minibar	Permanent	Amber w/ Amber Lens
VACUUM MOUNT			
79230	Square LED Minibar	Vacuum/Magnet	Amber w/ Clear Lens
79231	Square LED Minibar	Vacuum/Magnet	White w/ Clear Lens
79233	Square LED Minibar	Vacuum/Magnet	Amber w/ Amber Lens

COMPACT LED LIGHT BAR, CLASS I



77223



FEATURES & BENEFITS

- 22 selectable flash patterns via external pattern-select wire on permanent models
- Ultra-low profile reduces drag and friction
- Magnet mount products come complete with an auxiliary plug for on/off function and 22 selectable flash patterns
- For use in various applications, such as pick-up trucks, cars or heavy-duty vehicles

VOLTAGE: 12 TO 24 VDC
AMP DRAW: 2.5 AMPS @ 12 VDC, 1.25 AMPS @ 24 VDC

APPROVALS: SAE J845 CLASS I

PART #	DESCRIPTION	MOUNT	COLOR
77223	Class I Compact LED Light Bar	Permanent	Amber w/ Clear Lens
77803	Class I Compact LED Light Bar	Magnet	Amber w/ Clear Lens

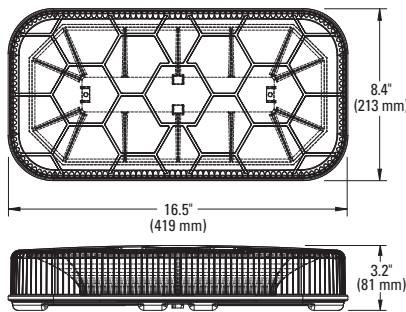
FEATURES & BENEFITS

- Permanent-mount models – 20 selectable flash patterns via external pattern-select wire
- Low profile reduces drag and friction
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- Magnet and vacuum mounted products come complete with an auxiliary plug for on/off function and 20 selectable flash patterns
- 5-year Warranty

PERMANENT MOUNT
VOLTAGE: 12 TO 24 VDC
AMP DRAW: 2.3 AMPS MAX

VACUUM MAGNET, 78020-DC
VOLTAGE: 12 VDC
AMP DRAW: 2.3 AMPS MAX

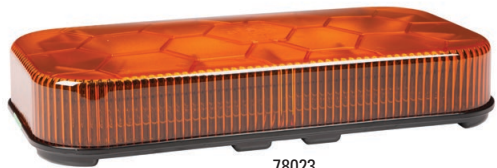
APPROVALS: SAE J845 CLASS I



PART #	DESCRIPTION	MOUNT	COLOR
78020	LED Mini Light Bar	Permanent	Split Amber/Blue
78021	LED Mini Light Bar	Permanent	Full Amber/Full White
78023	LED Mini Light Bar	Permanent	Amber
78025	LED Mini Light Bar	Permanent	Blue
78130	LED Mini Light Bar	Vacuum Magnet	Split Amber/Blue
78133	LED Mini Light Bar	Vacuum Magnet	Amber
78135	LED Mini Light Bar	Vacuum Magnet	Blue
79060	LED Mini Light Bar	Vacuum Magnet	Amber w/ Clear Lens
78443	LED Mini Light Bar	Magnet	Amber
78024	LED Mini Light Bar†	Permanent	Green
79053	LED Mini Light Bar	Permanent	Amber w/ Clear Lens
78020-DC	LED Mini Light Bar	Permanent	Full Amber/Full Blue
SERVICE PARTS			
98311	Replacement Lens		Clear
98313	Replacement Lens		Amber
98315	Replacement Lens		Blue
98314	Replacement Lens		Green
42390	Ford F-Series Mounting Bracket for trucks with Halogen Brake Lamps		
42391	Ford F-Series Mounting Bracket for trucks with LED Brake Lamps		
42392	Steel Mounting Plate for Magnet Mounted Lamps		

Rotating Flash Pattern † Not SAE approved

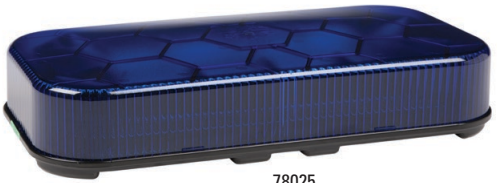
LED MINI LIGHT BAR, CLASS I



78023



78020



78025



78133



78130

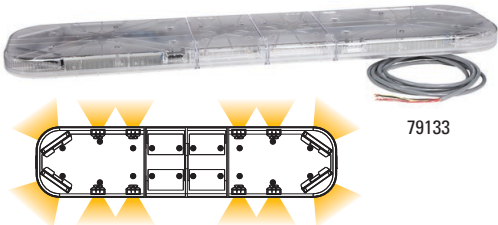
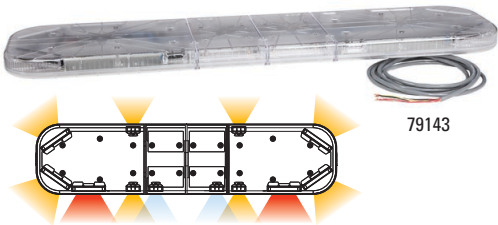
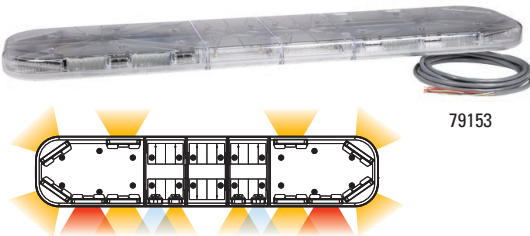


78135



42392

LED AMBER TOW BARS, CLASS I



FEATURES & BENEFITS

- Built in stop/tail/turn functionality with rear-facing work lights (select models)
- Ability to isolate extra bright front and rear amber LED modules with separate enable wires
- 12 customer selectable flash patterns
- Low profile design at 2 1/2" high
- Includes simple bracket for permanent mounting or optional gutter kits are available for various makes and models of vehicles
- Materials: aluminum base, polycarbonate lens

VOLTAGE: 12 VDC

AMP DRAW: 6.2 AMPS

APPROVALS: SAE J845 CLASS I



PART #	DESCRIPTION	COLOR
79153	58" Amber Towbar with S/T/T and Worklights	●●○ Amber/Red/White
79143	51" Amber Towbar with S/T/T and Worklights	●●○ Amber/Red/White
79133	51" Amber Towbar	● Amber
SERVICE PARTS		
98542	Tow Bar Bracket for Spotlight	
98532	Optional Roof Mount Bracket	
42400	4.6" Flex Gutter Kit	
42410	6.2" Flex Gutter Kit	
42420	8.4" Flex Gutter Kit	

SURFACE MOUNT

FEATURES & BENEFITS

- Ultra-low profile; Single and split-color models
- 12 different selectable flash patterns in either of two phases, plus steady-on
- Robust design, with optional chrome or white bezels available
- Standard four wire hook-up, endless mounting possibilities
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- 5-year Warranty

VOLTAGE/AMP DRAW

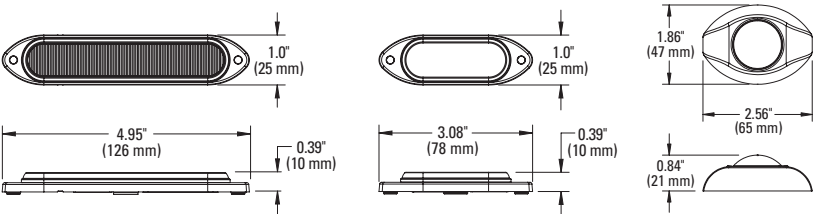
TRI-COLOR LED: 0.8 AMPS @ 12 V 6 DIODE LED: 0.55 AMPS @ 12 V 3 DIODE LED: 0.3 AMPS @ 12 V

APPROVALS: SAE J595 CLASS I ●●○ AMBER ●●○ BLUE ○ WHITE ●●○ RED

●●○ AMBER/RED/WHITE ●●○ AMBER/GREEN/WHITE ●●○ AMBER/BLUE/WHITE

APPROVALS: SAE J595 CLASS II ●●○ AMBER/BLUE ●○ AMBER/WHITE ●○ RED/WHITE

NOT SAE APPROVED: ● GREEN ●● AMBER GREEN



LED DIRECTIONAL LIGHT



PART #	DESCRIPTION	VOLTAGE	CLASS	COLOR
FULL TRI-COLOR LED				
79120	8 Diode LED Full Tri-Color Directional Warning Light	14 to 24 VDC	Class I	●●○ Full Amber/Full Red/Full White
79110	7 Diode LED Full Tri-Color Directional Warning Light	13 to 24 VDC	Class I	●●○ Full Amber/Full Green/Full White
79100	6 Diode LED Full Tri-Color Directional Warning Light	12 to 24 VDC	Class I	●●○ Full Amber/Full Blue/Full White
SPLIT DUAL COLOR LED				
78140	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	—	●● Split Amber/Green
78146	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class II	●● Split Amber/Blue
78460	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class II	●○ Split Amber/White
79080	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class II	●○ Split Red/White
SINGLE COLOR LED				
78141	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class I	○ White
78142	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class I	● Red
78143	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class I	● Amber
78144	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	—	● Green
78145	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class I	● Blue
79033	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Class I	● Amber
78161	3 Diode LED Directional Light, Surface Mount	12 VDC	Class I	○ White
78162	3 Diode LED Directional Light, Surface Mount	12 VDC	Class I	● Red
78163	3 Diode LED Directional Light, Surface Mount	12 VDC	Class I	● Amber
78164	3 Diode LED Directional Light, Surface Mount	12 VDC	—	● Green
78165	3 Diode LED Directional Light, Surface Mount	12 VDC	Class I	● Blue
SERVICE PARTS				
98350	License Plate Bracket	—		● Black
98360	L Bracket	—		● Black
98390	Chrome Bezel for 7814x Models	—		○ Chrome
98400	White Bezel for 7814x Models	—		○ White

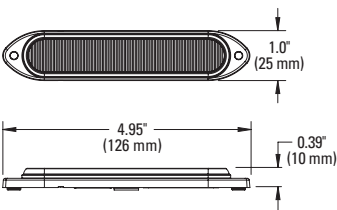
WORKSHIELD® HINVII WARNING LIGHTS



79276



79266



SURFACE MOUNT



FEATURES & BENEFITS

- Get the most out of high-visibility clothing and gear, enhancing worksite visibility and safety
- Perfect for applications where high-visibility clothing is used: Police, Fire, EMS, Utility, Refuse Collection, and more
- Can be used with or without an external flasher
- Durable design features ultrasonic welds, fusing lens, and plastic base for a tough, weather-tight seal
- An ultra-thin profile bezel mount easily mounts to nearly any solid, flat surface
- 79266 features the S-Link™ 2.0 System for synchronizing with other Grote S-Link units
- While PN 79266 meets SAE standards for SAEJ595, your municipalities may have specific rules about the color the HINVII diodes make, so please check your local regulations.

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.4 AMPS

PART #	DESCRIPTION	COLOR
79276	WorkShield 6-Diode HINVII LED Directional Light	○ HINVII Only
79266	WorkShield Dual Function 10-Diode LED Directional Light	○● HINVII/Amber

AUXILIARY STROBE & STOP LAMPS, CLASS II



78462



79212



FEATURES & BENEFITS

- Available in two mounting styles to fit a wide array of vehicles
- Several wiring options to fit all harness systems
- Five amber flashes in four seconds, followed by a solid red burn
- Studies show that flashing brake lights can reduce rear-end accidents by more than 50%

VOLTAGE: 12 VDC

78462 AMP DRAW: 0.4 AMPS 79212 AMP DRAW: 0.125 AMPS @ 12.8 VDC

APPROVALS: SAE J845 CLASS II

PART #	DESCRIPTION	COLOR
SURFACE MOUNT		
78462	Compact Aux Strobe & Stop Lamp	●● Amber/Red
78462-3	Compact Aux Strobe & Stop Lamp (Bulk)	●● Amber/Red
BRACKET/GROMMET MOUNT		
79212	6" Oval Aux Strobe & Stop Lamp	●● Amber/Red
79212-3	6" Oval Aux Strobe & Stop Lamp (Bulk)	●● Amber/Red

SCHOOL BUS SAFETY KITS



CONSTELLATION® KIT

- Plug-and-Play system
- Made for easy wiring with minimum manual connections
- Sealed connection system for weather endurance
- Kit includes all hardware necessary for installation
- Class I rated LEDs

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.55 AMPS

APPROVALS: SAE J845 CLASS I



PART #	DESCRIPTION
79327	Constellation School Bus Safety Kit Kit includes: - LED Directional Lights, 6-Diode, Class I, Red (x4) - Control Box (x2) - Wire Harness (x4) - 60 ft. 2-conductor cable - All hardware: fuse holder, fuse, weather-tight connectors, ties

DUMMY HEAD KIT

- All-in-one add-on safety system for school buses
- Dummy heads utilizes School buses flashing system to operate — this coordinates/synchronizes the safety lights with other flashing lights
- Kit includes all hardware necessary for installation
- Class I rated LEDs

VOLTAGE: 12 VDC

AMP DRAW: 0.2 AMPS

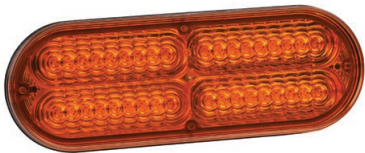
APPROVALS: SAE J845 CLASS I



PART #	DESCRIPTION
79329	Dummy Head School Bus Safety Kit Kit includes: - LED Directional Warning Lights, 6-Diode, Class I, Red (x4) - 20 ft. 4-conductor cable - 60 ft. 2-conductor cable - All hardware: fuse holder, fuse, weather-tight connectors, ties

6" OVAL LED WARNING LIGHTS

SURFACE & GROMMET MOUNT



78193



78194



77362

FEATURES & BENEFITS

- 12 different selectable flash patterns in either of two phases, plus steady-on
- Only .69" thick
- S-Link™ System allows for flash pattern synchronization with up to six other S-Link compatible units (for hardwire models only)
- Grommet mount can be converted to surface mount with optional chrome or black bezels
- 5-year Warranty

VOLTAGE: 12 TO 24 VDC

AMP DRAW: 0.3 AMPS @ 12 VDC, 0.2 AMPS @ 24 VDC

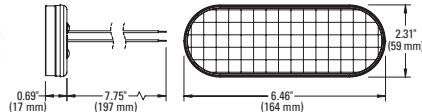
APPROVALS: SAE J595 CLASS I, SAE J595 CLASS II



98410



98480



PART #	DESCRIPTION	CLASS	VOLTAGE	COLOR
LED 6" OVAL				
78190	LED 6" Oval Warning Light, Grommet Mount	Class I	12 to 24 VDC	Amber/Blue
78191	LED 6" Oval Warning Light, Grommet Mount	Class I	12 to 24 VDC	White
78193	LED 6" Oval Warning Light, Grommet Mount	Class I	12 to 24 VDC	Amber
78194	LED 6" Oval Warning Light, Grommet Mount	Class I	12 to 24 VDC	Green w/ Clear Lens
78195	LED 6" Oval Warning Light, Grommet Mount	Class I	12 to 24 VDC	Blue w/ Clear lens
77361	LED 6" Oval Warning Light, Grommet/Bracket Mount	Class II	12 to 24 VDC	White
77363	LED 6" Oval Warning Light, Grommet/Bracket Mount	Class II	12 to 24 VDC	Amber
77362	LED 6" Oval Warning Light, Grommet/Bracket Mount	Class II	12 to 24 VDC	Red
77365	LED 6" Oval Warning Light, Grommet/Bracket Mount	Class II	12 to 24 VDC	Blue w/ Clear Lens
SERVICE PARTS				
98410	6" Oval Black Surface Mount Bezel			
98480	6" Oval Chrome Surface Mount Bezel			

HEATED LAMPS



HEATED LED HEADLAMPS

To handle the toughest winter climates, replace your existing lights with the durable, heated LED headlamps from Grote. The heated lens is designed to melt snow and ice within minutes, while Grote's LED technology helps to reduce eye fatigue and improves visibility. These 2B1, 2D1, and 2E1 head lighting systems have a 3-pin, H4 connector and are legal and DOT compliant.

REGULATIONS/STANDARDS: FMVSS 571.108; DOT; SAE UB3; LB: SAE LB3V, SAE J577, IP67



HEATED LENS



ALUMINUM CONSTRUCTION



MAXIMIZE SAFETY



MULTI-VOLT DESIGN



64H81-5
Heated 5"x7" LED
"Sealed Beam" Headlight



64J61-5
Heated 4"x6" LED
Headlamp, Low Beam



64K91-5
Heated 4"x6" LED
Headlamp, Low Beam,
Impact Resistant



64H71-5
Heated 7" LED "Sealed
Beam" Headlight



64J71-5
Heated 4"x6" LED
Headlamp, High Beam



64K81-5
Heated 4"x6" LED
Headlamp, High Beam,
Impact Resistant

Visit www.grote.com to view our complete product offering.



HEATED LED SNOWPLOW LAMPS

In climates where snow and ice can dangerously impair visibility, Grote’s LED Heated Snowplow Lamps are ideal as cold weather supplemental lighting or as road-legal driving lights when the vehicle’s headlights are obstructed. These lamps automatically prevent snow and ice buildup with a sensor that monitors the lens and activates an internal heating element when its temperature falls too low.

REGULATIONS/STANDARDS: FMVSS 571.108; DOT; SAE UB3; LB: SAE LB3V, SAE J577, IP67



84661-4
Heated LED Snowplow Lamps
12-30V, Left & Right Pair Pack



84631-5
Heated LED Snowplow Lamp
12-30V, Left/Driver Side



84641-5
Heated LED Snowplow Lamp
12-30V, Right/Passenger Side



94520
Snowplow Lamp
Replacement Bracket



HEATED ALL-WEATHER STOP/TAIL/TURN LIGHTS

Grote knows the importance of uptime to our customers, which is why our Heated All-Weather Stop/Tail/Turn Lights have been specially engineered to prevent layers of snow and ice from building up. Grote’s proprietary heating system saves time, money, and headaches.



54812
6" Heated All-Weather STT Light,
Oval with Backup, Hardshell



54822
6" Heated All-Weather
STT Light, Oval, Hardshell



55262
4" Heated All-Weather STT Light,
Oval with Backup, Hardshell



55022
4" Heated All-Weather
STT Light, Oval, Hardshell

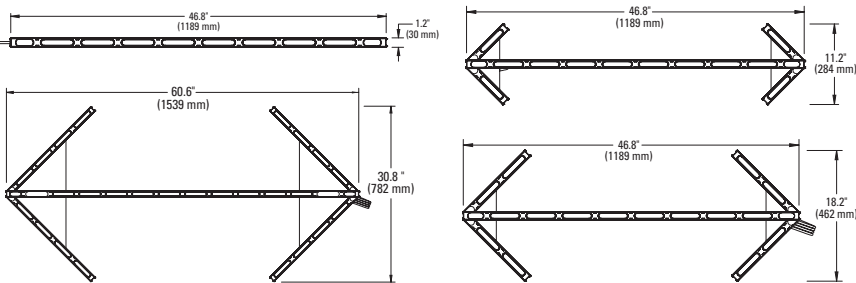
LED TRAFFIC DIRECTORS/ARROWS



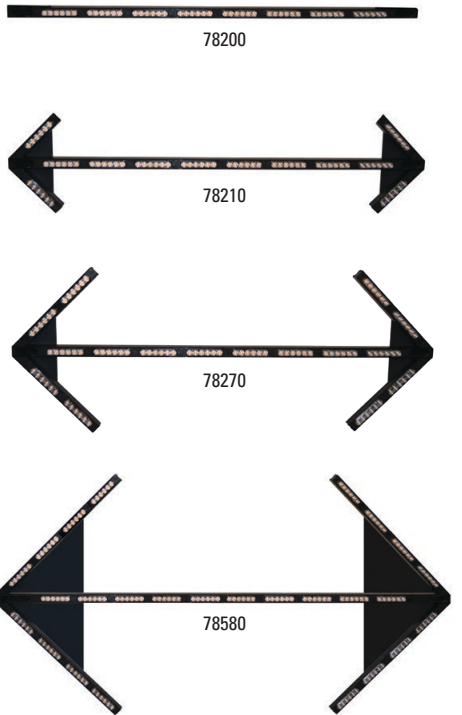
FEATURES & BENEFITS

- Made from durable extruded aluminum — Traffic Directors will not warp or bend
- Micro-processor control unit offers four modes with distinctive flash options
- Front load for easy replacement of individual heads
- Modes: left arrow, right arrow, center out, and warn (alternating)
- Ships complete with back-lit control unit, attached quick-disconnect wire harness (15' standard), L-brackets, hardware, and instructions
- Controllers: 14 brightness settings
- 98524: Can be programmed as a traffic director controller, or up to 8 separate warning/lighting devices
- 95823: Traffic director controller, with ability to be programmed to control up to 4 warning/lighting devices
- 5-year warranty

VOLTAGE: 12 VDC **78200 AMP DRAW:** 2.4 AMPS @ 12.8 VDC, **78210 AMP DRAW:** 3.6 AMPS @ 12.8 VDC
78270 AMP DRAW: 4.8 AMPS @ 12.8 VDC **98524, 98523 OPERATING RANGE:** 9-16 VDC
98524 AMP DRAW: 6 OUTPUTS AT 2.5 AMPS AVG. (5 AMP PEAK), 2 OUTPUTS AT 0.06 AMPS AVG.
98523 AMP DRAW: 2 OUTPUTS AT 2.5 AMPS AVG. (5 AMP PEAK), 2 OUTPUTS AT 0.06 AMPS AVG.



PART #	DESCRIPTION
78200	LED Traffic Director (Controller & Cable Included)
78210	Small LED Traffic Director w/Arrow (Controller & Cable Included)
78270	Large LED Traffic Director w/Dual Lamp Arrow (Controller & Cable Included)
78580	XL LED Traffic Director w/Dual Lamp Arrow (Controller & Cable Sold Separately)
SERVICE PARTS	
98524	Advanced programmable controller, 8 button, operate up to 8 lights/devices
98523	Programmable controller, 5 button, operate up to 4 lights/devices
66621	60' Controller Cable
98343	Replacement Module for Traffic Director (78200, 78210, 78270)

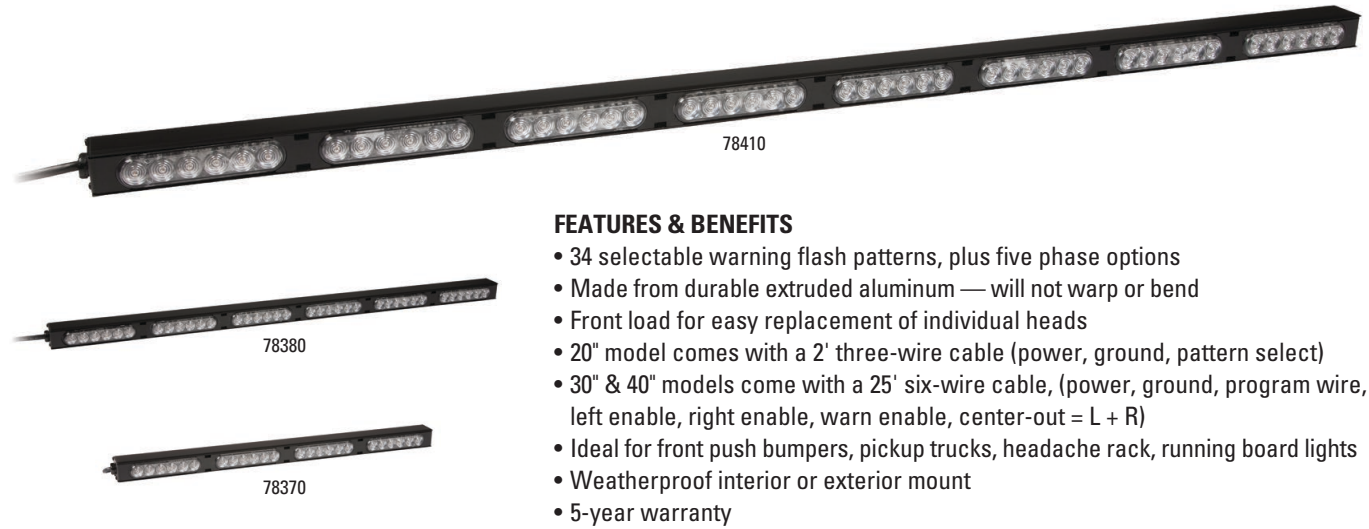


98524



98523

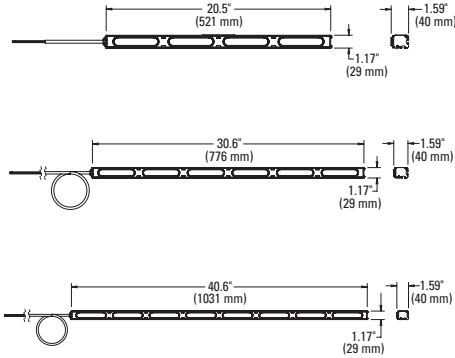
LED TRAFFIC DIRECTORS, CLASS I



FEATURES & BENEFITS

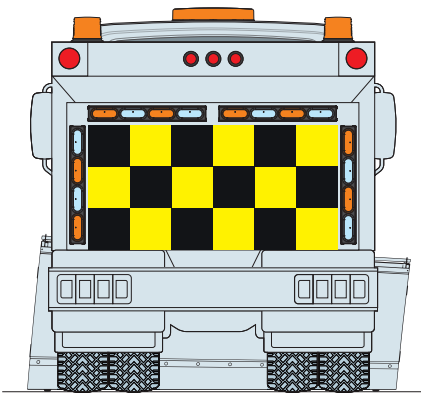
- 34 selectable warning flash patterns, plus five phase options
- Made from durable extruded aluminum — will not warp or bend
- Front load for easy replacement of individual heads
- 20" model comes with a 2' three-wire cable (power, ground, pattern select)
- 30" & 40" models come with a 25' six-wire cable, (power, ground, program wire, left enable, right enable, warn enable, center-out = L + R)
- Ideal for front push bumpers, pickup trucks, headache rack, running board lights
- Weatherproof interior or exterior mount
- 5-year warranty

VOLTAGE: 12 VDC
AMP DRAW: 2 AMPS AVERAGE (4 HEAD), 3 AMPS AVERAGE (6 HEAD), 4 AMPS AVERAGE (8 HEAD) @ 12 V
APPROVALS: SAE J575 CLASS I



PART #	DESCRIPTION	COLOR
78370	20" LED 4 Module Warning Stick	Amber
78380	30" LED 6 Module Traffic Director	Amber
78410	40" LED 8 Module Traffic Director	Amber
SERVICE PARTS		
98343	Replacement Module	Amber
98345	Replacement Module	Blue
98341	Replacement Module	White
98342	Replacement Module	Red
98344	Replacement Module	Green
98524	Advanced Programmable Controller, 8-Button	

HEAVY DUTY HIGHWAY SNOWPLOW



Grote’s snowplow lighting products are engineered to capture the attention of motorists and pedestrians and warn of a potentially dangerous activity or situation. Our optical warning devices are designed for maximum visibility and optimal performance.

PART #	DESCRIPTION	COLOR
LED MINI LIGHT BARS		
76380*	LED Mini Light Bar, Class I	Amber/Blue w/Clear Lens
76370	LED Mini Light Bar, Class I	Amber w/Clear Lens
76400	LED Mini Light Bar, Class I, Rear	Amber Front, Blue Rear
LED BEACONS		
76360*	LED Beacon, Short Lens, Class I	Amber/Blue w/Clear Lens
LED WARNING STICKS		
79280*	30" LED 4 Module Warning Stick, Class I	Amber/Blue w/Clear Lens
79283	30" LED 4 Module Warning Stick, Class I	Amber w/Clear Lens
79280-3*	30" LED 4 Module Warning Stick, Bulk Pk	Amber/Blue w/Clear Lens
79283-3	30" LED 4 Module Warning Stick, Bulk Pk	Amber w/Clear Lens
LED AUXILIARY STROBE LAMP		
77353	4" LED Auxiliary Strobe Lamp, Class II	Amber

* MTO Standards: ES2200012



ULTRA-BLUE-SEAL

Grote’s Highway Snowplow System is powered by the Ultra-Blue-Seal (UBS) harness system—designed to prevent unplanned downtime and keep you moving through the toughest conditions. Its fully sealed, corrosion-resistant design delivers long-lasting reliability in today’s demanding highway environments.



GROTE S-LINK™ SYSTEM



S S-Link System is a proprietary technology that will allow similar S-Link products to be synchronized. This would allow for a user to define the flash patterns on multiple devices for a customized, tailored look on a vehicle.

Only S-Link compatible products can be synchronized together. “S-Link” allows you sync up to 6 products. “S-Link 2.0” allows you sync up to 10 products. If all of your products have “S-link 2.0”; that system will also have “hot swapping” capability, meaning any product replaced or added to the system will automatically sync without reprogramming. Refer to user installation manuals for details on S-Link System synchronization.

ELECTRICAL CONNECTIONS & ACCESSORIES

CONNECT & PROTECT



82-5640



82-7202



82-7200



82-7207



82-2176



82-2115



82-BLM-I-306



82-BLR-I-310



83-6572



83-6573

PART #	DESCRIPTION
82-5640	Shielded PVC Cable, 4-Conductor, White, Red, Green, Black , 18 GA, 300V, 1000'
87-7200	GXL Primary Wire, Length 100', 14 GA, Red
87-7202	GXL Primary Wire, Length 100', 14 GA, Black
87-7207	GXL Primary Wire, Length 100', 14 GA, White
82-2247	High Amperage Thermal Circuit Breaker, Type III, Manual Reset, Surface Mount, 50A
82-2178	High Amperage Thermal Circuit Breaker, Type III, Manual Reset, Surface Mount, 100A
82-2176	High Amperage Thermal Circuit Breaker, Type III, Manual Reset, Surface Mount, 150A
82-Blr-I-310	LED Standard Blade Fuse Panel, with Cover, 10-Position
82-Blr-I-306	LED Standard Blade Fuse Panel, with Cover, 6-Position
82-Blr-I-304	LED Standard Blade Fuse Panel, with Cover, 4-Position
82-2115	Illuminated On/Off Toggle Switch, SPST, 3-Blade, 30A, Green/Red
83-6572	Dual USB Socket, Type A + C, Power Delivery, Rectangle, 12/24V
83-6573	Dual USB Socket, Type A + C, Power Delivery, Round, 12/24V

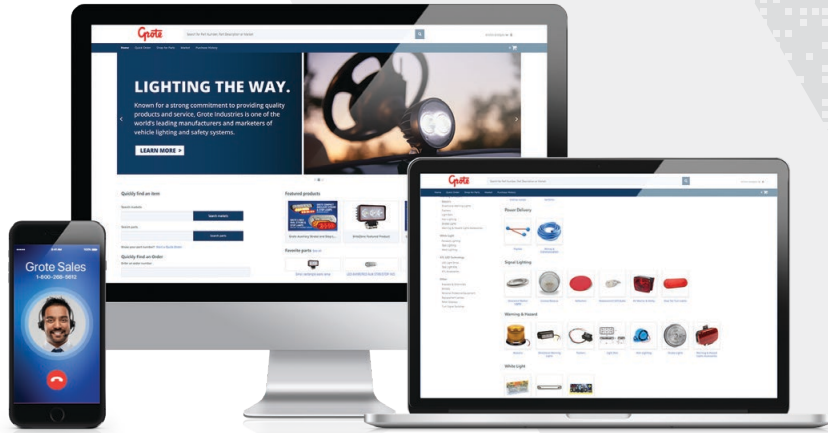
WE KNOW THE
POWER OF A GOOD
CONNECTION



At Grote Industries, **WE ARE COMMITTED TO TAKING CARE OF OUR CUSTOMERS** by ensuring that they receive the information and products they need, when they need them. That’s why we are continually investing in industry-leading technology that allows us to connect to our valued customers.

MANY WAYS TO CONNECT,
MANY WAYS TO GROW TOGETHER

From our updated website with instant-search and live technical help, to our completely refreshed **G24/7 ONLINE CUSTOMER SERVICE PLATFORM**, Grote’s experienced team of sales and customer solutions experts are never more than a click or a phone call away. Let us help you connect with your customers, with our digital tools, best-in-class customer service and innovative safety solutions.



CONTACT US

CALL US AT 1-800-268-5612, OR CHECK OUT OUR G24/7 ONLINE CUSTOMER SERVICE PLATFORM AT [SHOP.GROTE.COM](https://shop.grote.com)



GROTE INDUSTRIES, INC.

2600 LANIER DRIVE
MADISON, INDIANA 47250 USA
T 812-273-1296
800-628-0809
800-457-9540
F 812-265-8440
E safety@grote.com

GROTE MANUFACTURING LTD.

230 TRAVAIL ROAD
MARKHAM, ONTARIO L3S 3J1 CANADA
T 905-209-9744
800-268-5612
F 905-209-9757
800-267-9024
E customerserviceca@grote.com

GROTE COMERCIAL LATINOAMÉRICA, S.A. DE C.V

AVE. ROGELIO GONZÁLEZ CABALLERO 225
PARQUE INDUSTRIAL STIVA AEROPUERTO
APODACA, NUEVO LEÓN, MÉXICO
CÓDIGO POSTAL 66626
T +(52) 818262 4413
F +(52) 818262 4404
E mexico@grote.com

GROTE INDUSTRIES EUROPE GmbH

WILLIAM-GROTE-WEG 1
D-94327 BOGEN
GERMANY
T +49 9422 40331-0
E europe@grote.com

WWW.GROTE.COM