

CATALOG SUPPLEMENT

WARNING & HAZARD
SOLUTIONS

AVERTISSEMENT
ET DANGER ÉCLAIRAGE

ADVERTENCIA
Y PELIGRO ILUMINACIÓN

Grote®



**BE VISIBLE
& BE SAFE**

WWW.GROTE.COM

CONTENTS

A large orange snowplow is shown from a rear-quarter perspective, clearing a road through a dense forest of snow-laden evergreen trees. The scene is filled with falling snow, creating a soft, white atmosphere. The plow's blade is visible at the bottom, and its lights are on. In the background, another smaller snowplow is visible further down the road.

INTRODUCTION

- 03 Grote Lighting & Backup Alarms
- 04 SAE Standards/Certifications
- 04 Class I, Class II, Class III

01 BACKUP ALARMS

- 05 Backup Alarms

02 LED BEACONS

- 07 Class I, Tall, Clear Dome
- 08 Class I, Short Lens, Tall Lens
- 09 Class II, Short Lens
- 10 Class II, Tall Lens
- 11 Class I, Dual Color
- 12 Material Handling
- 13 DIN Mount

03 LIGHT BARS

- 14 LED Mini Light Bar
- 15 LED Strobe Light Bar
- 15 Non-LED Mini Bar Lamps

04 LED DIRECTIONAL LIGHTS

- 16 LED Directional Lights
- 17 LED Round & Oval Warning Lights

05 LED TRAFFIC DIRECTORS

- 18 LED Traffic Directors/Arrows
- 19 LED Traffic Directors

06 BRITEZONE™ LED WORK LIGHTS

- 20 BriteZone LED Work 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, magnetic and vacuum/magnet mount solutions.

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

Permanent mount lighting options should be used for vehicles that will be utilized in over the road application. 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. These alarms offer a variety of audible tones. Our alarms are available with standard beeping, or adjustable output levels and the newest multi-frequency alarms for coverage in all conditions and applications.

Grote's backup alarms are available in both surface mount and grommet mount options and are designed and manufactured to perform in today's difficult and harsh environments.

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

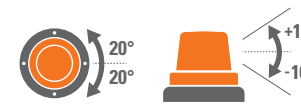
WHAT WE NEED TO KNOW AND WHY

There are 2 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 would include 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 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. 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

Primary optical warning devices for use on authorized emergency vehicles responding to emergency situations. These devices are utilized to capture the attention of motorists and pedestrians and warn of a potentially hazardous activity or situation.



Typical Usage

Fire, Police, Ambulance and Rescue vehicles – Authorized vehicles that travel faster than the speed of traffic



Class II Optical Warning Devices

Primary optical warning devices for use on authorized maintenance or service vehicles to warn of traffic hazards such as a lane blockage or slow moving vehicle.



Typical Usage

Utility, Roadside Assist vehicles, construction vehicles – Over the road vehicles travelling at the speed of traffic or stopped at the side of the road



Class III Optical Warning Devices

Primary optical warning devices for use on vehicles authorized to display an optical warning device for identification only.

Typical Usage

Forklifts, yard work machines

BACKUP ALARMS

FEATURES & BENEFITS

- Rugged construction Glass-Filled Nylon housings
- Universal mounting including grommet mounted products
- Available in a range of Decibel output levels to fit a wide variety of application needs
- Select the best output level based on environment and ambient noise levels where the alarms will be in use

Voltage: 12 to 24 VDC

Amp Draw: 0.1 AMPS – 0.5 AMPS @ 12 VDC



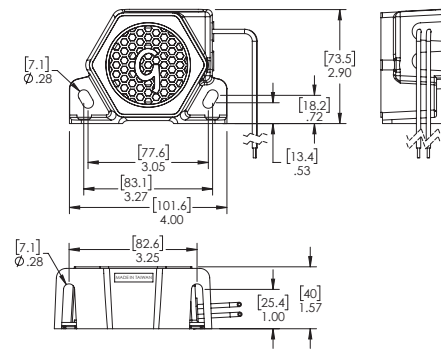
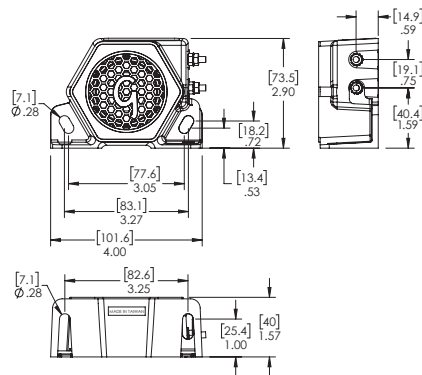
73040



73090



73110



PART	DESCRIPTION	DECIBELS	VOLTAGE	APPROVALS
73040	Backup Alarm, Medium Duty	97dB	12/24V	SAEJ994 Type C
73090	Backup Alarm, Medium Duty	107dB	12/24V	SAEJ994 Type B
73110	Backup Alarm, Self Adjusting	82dB to 102dB	12/24V	SAEJ994 Type F
73250	Backup Alarm, Reverse Mounted Speaker	107dB	12/24V	SAEJ994 Type B
73070	Backup Alarm, Reverse Mounted Speaker	112dB	12/24V	SAEJ994 Type A
73240	Backup Alarm, Reverse Mounted Speaker, Self Adjusting	87dB to 107dB	12/24V	SAEJ994 Type F
73080	Backup Alarm, Reverse Mounted Speaker, Self Adjusting	87dB to 112dB	12/24V	SAEJ994 Type F
73030	Backup Alarm, Reverse Mounted Speaker, Selectable	107dB or 112dB	12/24V	SAEJ994 Type F
73220	Backup Alarm, 4" Grommet Mount	97dB	12/24V	SAEJ994 Type C
73160	Backup Alarm, 4" Grommet Mount	107dB	12/24V	SAEJ994 Type B
73310	Backup Alarm, Multi Frequency	97dB	12/24V	SAEJ994 Type C
73170	Backup Alarm, Multi Frequency	107 dB	12/24V	SAEJ994 Type B

BACKUP ALARMS



73240



73310



73250



73080



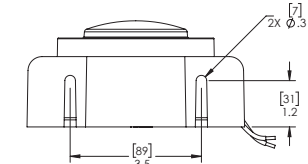
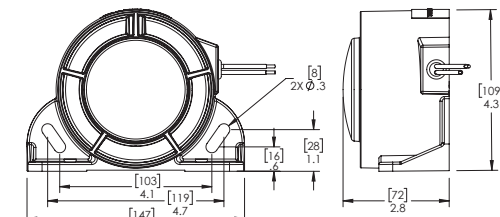
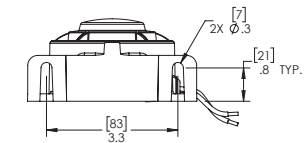
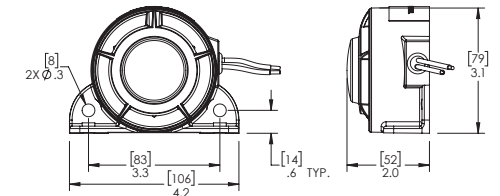
73030



73070



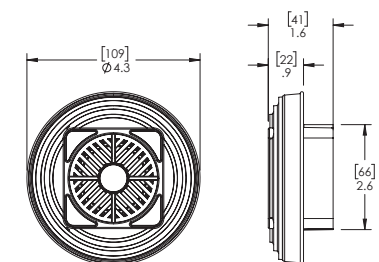
73170



73220



73160



LED BEACON, CLASS I, TALL DOME

DUAL COLOR, PERMANENT MOUNT



78013



78015



78010

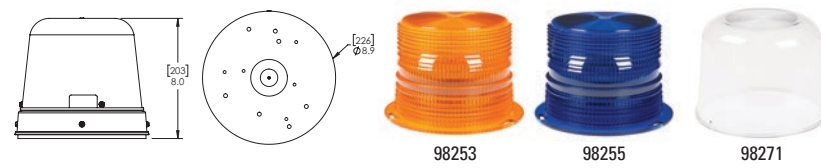
FEATURES & BENEFITS

- 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 and heavy duty vehicles
- S-Link™ System* synchronizing capabilities with up to six other units (for hardwire models only). Allows for synchronization with other S-Link compatible products
- 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



PART #	DESCRIPTION	COLOR
78010	LED Beacon, Class I, Tall Dome	● Blue/Blue/Clear Dome
78011	LED Beacon, Class I, Tall Dome	○ White/Clear Dome
78013	LED Beacon, Class I, Tall Dome	● Amber/Clear Dome
78015	LED Beacon, Class II, Tall Dome	● Blue/Clear Dome
SERVICE PARTS		
98251	Internal Replacement Lens	○ Clear
98253	Internal Replacement Lens	● Amber
98255	Internal Replacement Lens	● Blue
98271	Replacement Outer Dome	○ Clear

PERMANENT MOUNT, VACUUM MOUNT

LED BEACON, CLASS I

FEATURES & BENEFITS

- 12 different selectable flash patterns in either of two phases, plus steady-on
- Extremely low current draw
- Durable polycarbonate twist on/off lens
- S-Link™ System* synchronizing capabilities with up to six other units (for hardwire models only). Allows for synchronization with other S-Link compatible products
- Circuit board is conformal coated to protect circuitry
- Durable, lightweight polycarbonate base, flange 3-hole permanent mount, 1" pipe mount, vacuum magnet mount with cig. 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

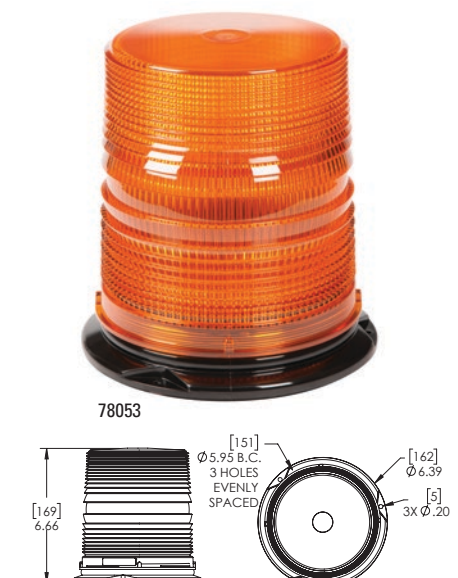
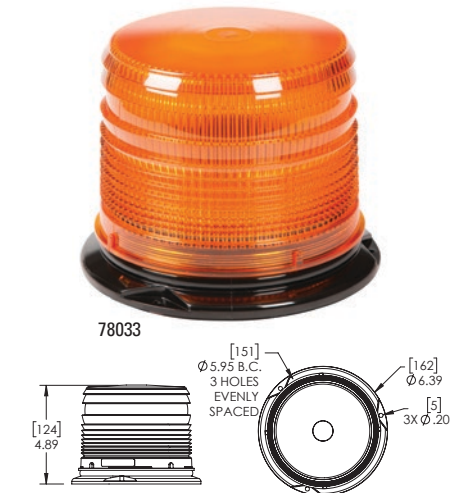
Voltage: 12 VDC

Amp Draw: 0.5 amps @ 12 VDC

APPROVALS: SAE J845 CLASS I ● AMBER ○ WHITE 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
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
SERVICE PARTS			
98221	Replacement Short Lens		○ Clear
98223	Replacement Short Lens		● Amber
98225	Replacement Short Lens		● Blue
98171	Replacement Tall Lens		○ Clear
98173	Replacement Tall Lens		● Amber
98175	Replacement Tall Lens		● Blue
98470	Branch Guard (Low Profile)		
98460	Branch Guard (High Profile)		



LED BEACON, CLASS II, SHORT LENS

PERMANENT MOUNT, VACUUM MOUNT



78853



78851



78865



78863

FEATURES & BENEFITS

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

PERMANENT MOUNT

Voltage: 12 to 24 VDC

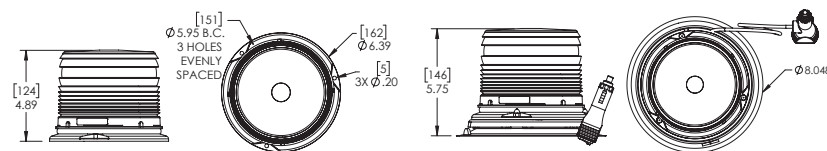
Amp Draw: 0.4 amps – 0.35 amps @ 12 VDC

VACUUM MAGNET

Voltage: 12 VDC

Amp Draw: 0.4 amps – 0.35 amps @ 12 VDC

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



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 customer selectable flash patterns including steady-on
- Circuit board is conformal coated to protect circuitry
- Durable lightweight, polycarbonate, universal flange base
- 3-hole permanent mount, 1" pipe mount
- 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



78065



78061

LED BEACON, CLASS I

DUAL COLOR, PERMANENT MOUNT

FEATURES & BENEFITS

- 12 Customer selectable flash patterns including steady-on
- S-Link™ System* synchronizing capabilities with up to six other units (for hardwire models only). Allows for synchronization with other S-Link compatible products
- Change colour selection with the flip of a switch
- 3-hole permanent mount, 1" pipe mount
- 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



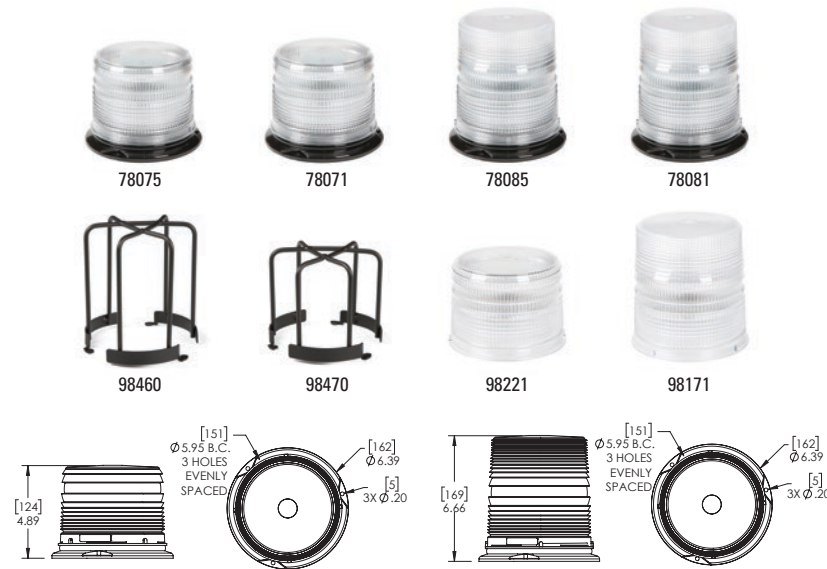
78071



78075



78081



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

*S-LINK TECHNOLOGY: 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. Note: Only S-Link compatible products can be synchronized together. Refer to user installation manuals for details on S-Link Synchronization.

LED MATERIAL HANDLING BEACONS

FEATURES & BENEFITS

- 28 Selectable flash patterns plus 2 steady-on
- 78113: User selectable Single, Double or Quad flash patterns
- Circuit board is conformal coated to protect circuitry
- Easy 'Twist-off' lens for ease of replacement
- Lightweight, durable polycarbonate base
- Flange 3-hole permanent mount on 78093
- Flange 2-hole permanent mount on 78113
- Magnet mount with cig. plug on 78103
- 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

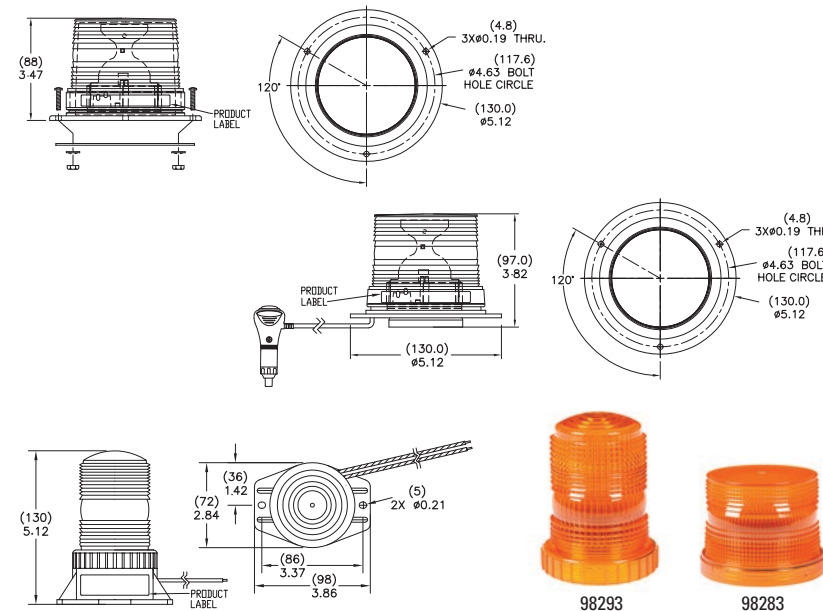
Amp Draw: .22 amps @ 12 VDC

TALL LENS

12 to 72 VDC

Amp Draw: 1.2 amps @ 12 VDC

APPROVALS: SAE J845 CLASS III



PART #	DESCRIPTION	COLOR
78093	LED Material Handling, Class III, Short Lens	Amber
78103	LED Material Handling, Class III, Short Lens, Magnet Mount	Amber
78113	LED Material Handling, Class III, Tall Lens	Amber
SERVICE PARTS		
98283	7809 Replacement Lens – 3" Height	Amber
98293	7809 Replacement Lens – 3.9" Height	Amber



78093



78103



78113

DIN MOUNT LED BEACON

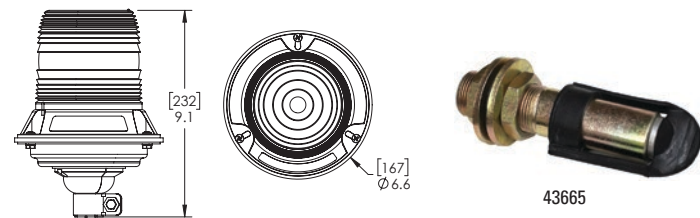


FEATURES & BENEFITS

- 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	

LED MINI LIGHT BAR

FEATURES & BENEFITS

- Permanent mount models – 20 customer selectable flash patterns via external pattern select wire
- Low profile reduces drag and friction
- S-Link™ System* synchronizing capabilities with up to six other units (for hardwire models only). Allows for synchronization with other S-Link compatible products
- Magnetic and vacuum mounted products come complete with a cigarette plug for on/off function and 20 user selectable flash patterns
- 5 Year Warranty

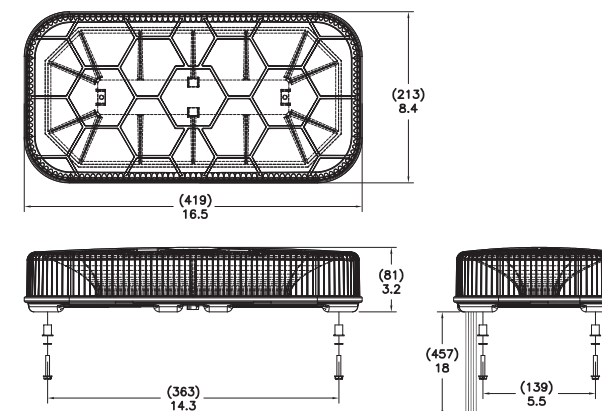
PERMANENT MOUNT
Voltage: 12 to 24 VDC
Amp Draw: 2.3 amps max

VACUUM MAGNET
Voltage: 12 VDC
Amp Draw: 2.3 amps max

APPROVALS: SAE J845 CLASS I



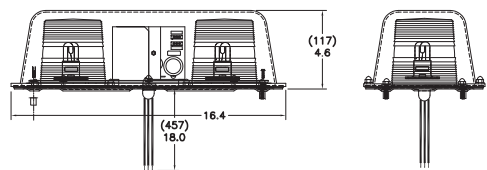
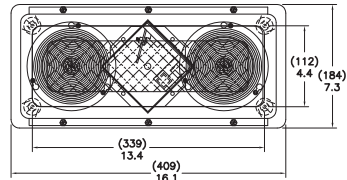
PART #	DESCRIPTION	MOUNT	COLOR
78020	LED Mini Light Bar	Permanent	● Amber/Blue
78023	LED Mini Light Bar	Permanent	● Amber
78025	LED Mini Light Bar	Permanent	● Blue
78130	LED Mini Light Bar	Vacuum Magnet	● Amber/Blue
78133	LED Mini Light Bar	Vacuum Magnet	● Amber
78135	LED Mini Light Bar	Vacuum Magnet	● Blue
78443	LED Mini Light Bar	Magnetic	● Amber
SERVICE PARTS			
98311	Replacement Lens		○ Clear
98313	Replacement Lens		● Amber
98315	Replacement Lens		● Blue



LED STROBE LIGHT BAR



79043



FEATURES & BENEFITS

- 17 different selectable flash patterns in either of two phases, plus steady-on
- Full gasket protects lamp internal components from dirt, grime and other contaminants
- 5 year Warranty

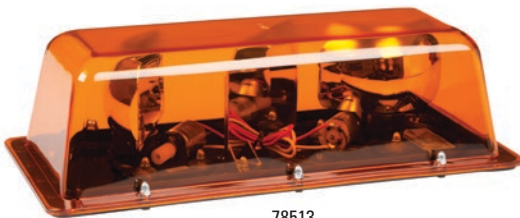
Voltage: 12 to 24 VDC

Amp Draw: 2 amps @ 12 VDC

APPROVALS: SAE J845 CLASS II

PART #	DESCRIPTION	COLOR
79043	LED Dual Strobe Mini Bar	Amber
98373	Replacement Lens – Outer	Amber
98383	Replacement Lens – Inner	Amber

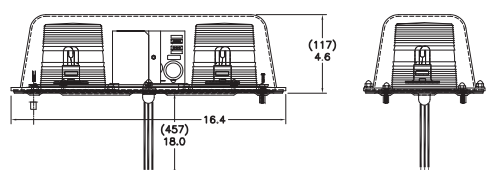
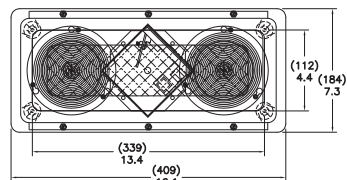
NON-LED MINI BAR LAMPS



78513



79023



FEATURES & BENEFITS

- Gasket between lens and base for increased protection of internal components
- Durable polycarbonate plastic base
- 1 year Warranty

Voltage: 12 VDC

Amp Draw: 8 amps @ 12 VDC

APPROVALS: 78513: SAE J845 CLASS I 79023: SAE J845 CLASS II



PART #	DESCRIPTION	COLOR
78513	Halogen Rotating Mini Light Bar	Amber
79023	Strobe Mini Light Bar	Amber
98373	Replacement Lens – Outer	Amber
98383	Replacement Lens – Inner	Amber
90900	Replacement Halogen Bulb	

SURFACE MOUNT

LED DIRECTIONAL LIGHT

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, die cast aluminum base
- Endless mounting possibilities
- Standard four wire hook-up
- S-Link™ System* synchronizing capabilities with up to six other units (for hardwire models only). Allows for synchronization with other S-Link compatible products
- Optional chrome or white bezels available
- 5 Year Warranty

VOLTAGE

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

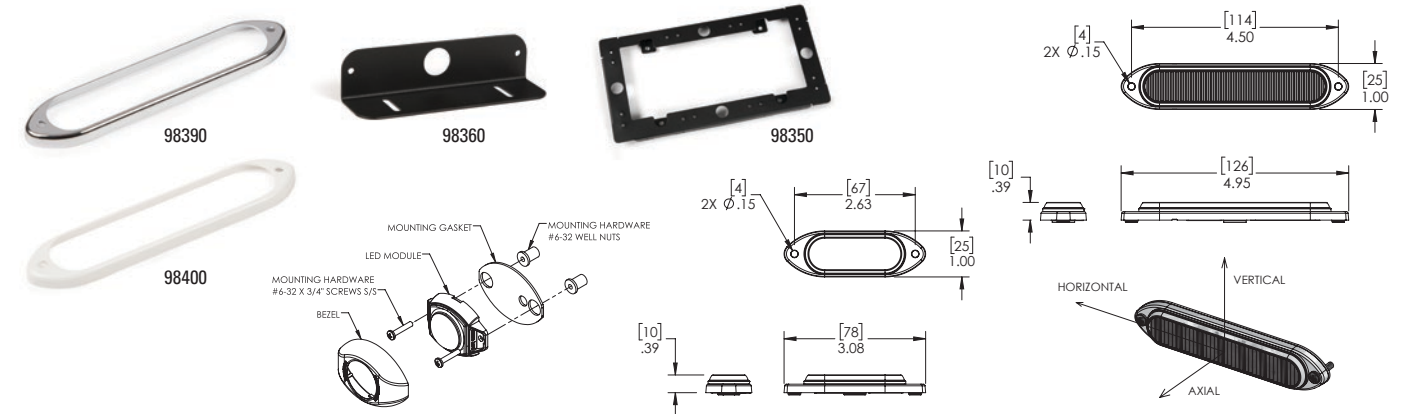
APPROVALS: SAE J595 CLASS II Amber/Blue Amber/White



78143

78164

79033



PART #	DESCRIPTION	VOLTAGE	COLOR
6 DIODE LED			
78140	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Amber/Green
78141	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	White
78142	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Red
78143	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	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	Blue
78146	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Amber/Blue
78460	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Amber/White
79033	6 Diode LED Directional Light, Surface Mount	12 to 24 VDC	Amber
3 DIODE LED			
78161	3 Diode LED Directional Light, Surface Mount	12 VDC	White
78162	3 Diode LED Directional Light, Surface Mount	12 VDC	Red
78163	3 Diode LED Directional Light, Surface Mount	12 VDC	Amber
78164	3 Diode LED Directional Light, Surface Mount	12 VDC	Green
78165	3 Diode LED Directional Light, Surface Mount	12 VDC	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

WARNING LIGHTS

SURFACE & GROMMET MOUNT



78173



78175



78193



78194

FEATURES & BENEFITS

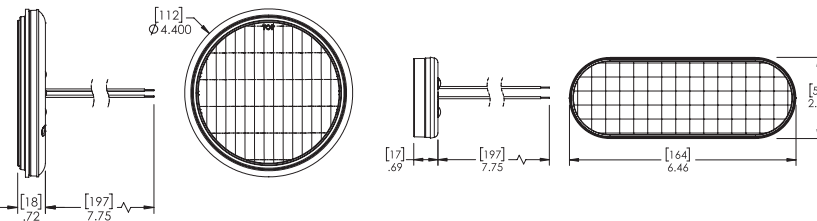
- 12 different selectable flash patterns in either of 2 phases plus steady-on
- Only .84" thick
- S-Link™ System* synchronizing capabilities with up to six other units (for hardwire models only). Allows for synchronization with other S-Link compatible products
- Grommet mount can be converted to surface 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

Amp Draw (79033 only): 0.6 amps @ 12V

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



PART #	DESCRIPTION	VOLTAGE	COLOR
LED 4" ROUND			
78171	LED 4" Round Warning Light, Grommet Mount	12 to 24 VDC	○ White
78173	LED 4" Round Warning Light, Grommet Mount	12 to 24 VDC	● Amber
78174	LED 4" Round Warning Light, Grommet Mount	12 to 24 VDC	● Green w/Clear Lens
78175	LED 4" Round Warning Light, Grommet Mount	12 to 24 VDC	● Blue w/Clear lens
LED 6" OVAL			
78190	LED 6" Oval Warning Light, Grommet Mount	12 to 24 VDC	● Amber/Blue
78191	LED 6" Oval Warning Light, Grommet Mount	12 to 24 VDC	○ White
78193	LED 6" Oval Warning Light, Grommet Mount	12 to 24 VDC	● Amber
78194	LED 6" Oval Warning Light, Grommet Mount	12 to 24 VDC	● Green w/ Clear Lens
78195	LED 6" Oval Warning Light, Grommet Mount	12 to 24 VDC	● Blue w/Clear lens
SERVICE PARTS			
98410	6" Oval Black Surface Mount Bezel		
98480	6" Oval Chrome Surface Mount Bezel		
98420	4" Round Black Surface Mount Bezel		
98430	4" Round Chrome Surface Mount Bezel		

*S-LINK TECHNOLOGY: 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. Note: Only S-Link compatible products can be synchronized together. Refer to user installation manuals for details on S-Link Synchronization.

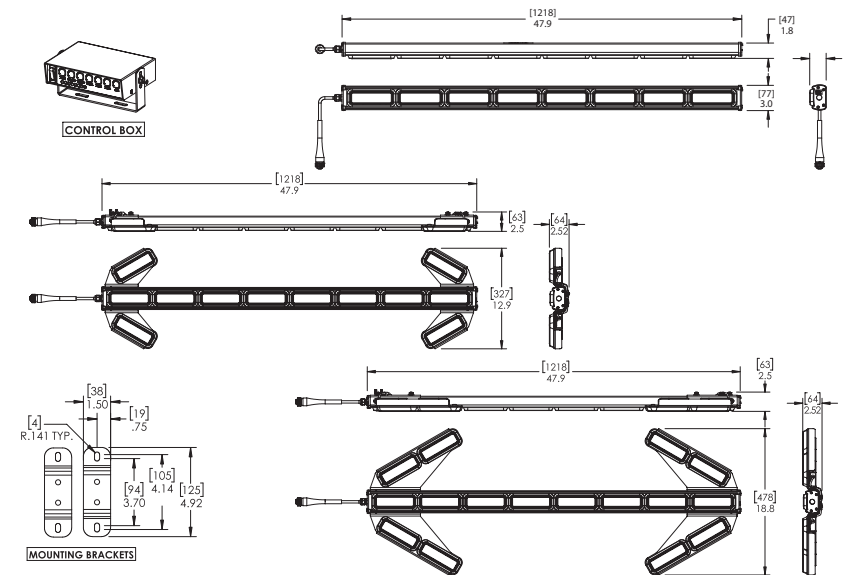
LED TRAFFIC DIRECTORS/ARROWS



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
- 5 year warranty

Voltage: 12 VDC Amp Draw: 1.1 amps @12V DC



78200



78210



78270



CONTROL BOX

98333

PART #	DESCRIPTION
78200	LED Traffic Director
78210	Small LED Traffic Director with Arrow
78270	Large LED Traffic Director with Dual Lamp Arrow
SERVICE PARTS	
98333	Replacement Module for Traffic Director (78200, 78210, 78270)

LED TRAFFIC DIRECTORS



98343

FEATURES & BENEFITS

- 34 customer selectable warning flash patterns plus 5 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

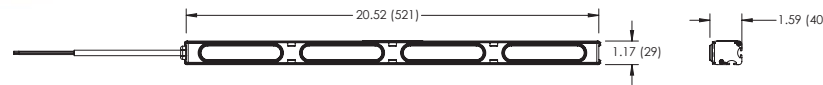
Amp draw: 2 amps average (4 head), 3 amps average (6 head), 4 amps average (8 head) @ 12V

APPROVALS: SAE J575 CLASS I

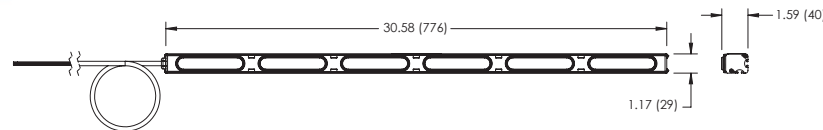
PART #	DESCRIPTION	COLOR
78370	20" LED 4 Module Warning Stick	Amber
78380	30" LED 6 Modules Traffic Director	Amber
78410	40" LED 8 Modules Traffic Director	Amber
SERVICE PARTS		
98343	Replacement Module	Amber



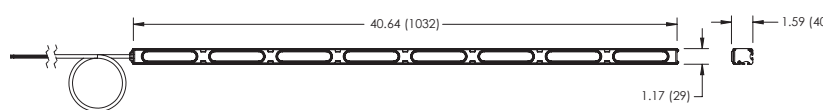
78370



78380



78410



BRITEZONE™ LED WORK LIGHTS

NOT ONLY DO YOU NEED TO BE VISIBLE TO BE SAFE, YOU MUST BE ABLE TO SEE PROPERLY IN THE AREAS YOU ARE WORKING

GROTE BRITEZONE LED WORK LAMPS ARE THE PERFECT SOLUTION FOR LIGHT WHERE YOU NEED IT WHEN YOU NEED IT!

Grote's line of affordable LED lamps are designed to work when you need them — no excuses. Rain or shine, day or night, wet or dry — Grote's signature design, quality and performance are on display. With rugged, durable construction and LED power that far outshines halogen, BriteZone™ lamps get the job done.

Boating. Mowing. Off-roading. Working. Long after the sun goes down, you're still out there doing your thing—and you need a lamp that's as tough and tireless as you are. Grote's BriteZone™ range has the LED lamp to shed light on any use — even tow trucks, garbage trucks and forklifts — without breaking the bank.



BZ401-5



BZ501-5



BZ111-5



BZ551-5



BZ101-5



BZ201-5



BZ601-5



BZ301-5

PART #	DESCRIPTION
BZ101-5	BriteZone™ Forward Lighting, Round, LED Work Lamp Assembly
BZ201-5	BriteZone™ Forward Lighting, Square, LED Work Lamp Assembly
BZ301-5	BriteZone™ Forward Lighting, Slim, LED Work Lamp Assembly
BZ401-5	BriteZone™ Forward Lighting, EZ Grip Hand Held, LED Work Lamp Assembly
BZ501-5	BriteZone™ Forward Lighting, Go Anywhere Hand Held, LED Work Lamp Assembly
BZ601-5	BriteZone™ Forward Lighting, Mini Square, LED Work Lamp Assembly
BZ111-5	BriteZone™ Forward Lighting, Round, LED Work Lamp Assembly
BZ551-5	BriteZone™ Forward Lighting, Square, LED Work Lamp Assembly



DEAL WITH **REAL**

In a world of automated phone systems and outsourced customer service it's rare to contact **REAL PEOPLE** with **REAL EXPERIENCE** providing **REAL SOLUTIONS**. That is exactly what you get from Grote's team of expert Sales and Customer Solutions personnel.

OPEN A RELATIONSHIP WITH GROTE

When it comes to service and support, you want to partner with a company that works like an extension of your organization. From OEMs to fleet managers to our distributors, Grote's partners all around the globe find that we help maximize profitability in a way that is convenient and supportive. You can concentrate on what you do best by letting us support you with our core expertise in Lighting and Electrical Connections & Accessory products. Great products with great support... Grote's Got It!

CONTACT US AT 1-800-268-5612 TO FIND OUT HOW WE CAN HELP YOUR BUSINESS

©2018 Grote Industries Canada. Grote® is a trademark of Grote Industries Inc. All rights reserved.



GROTE INDUSTRIES, INC.

2600 LANIER DRIVE
MADISON, IN 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, ON L3S 3J1 CANADA
T 905-209-9744
800-268-5612
F 905-209-9757
800-267-9024
E canada@grote.com

GROTE INDUSTRIES DE MÉXICO, S.A. DE C.V.

AV. ROGELIO GONZALEZ CABALLERO NO. 225
PARQUE INDUSTRIAL STIVA AEROPUERTO
APODACA, NUEVO LEÓN, MÉXICO
CÓDIGO POSTAL 66626
T 011 (52) 818262 4400
F 011 (52) 818262 4404
E mexico@grote.com

GROTE INDUSTRIES EUROPE GMBH

AM SCHAIDWEG 3
D-94559 NIEDERWINKLING
GERMANY
T +49 9962/20008-0
E europe@grote.com

WWW.GROTE.COM