Ambulance Safety Lighting

KKK-A-1822F Application
Solutions from Grote
Why Grote - We are the first name in vehicle safety systems.

Award Winning State-of-the-Art Facilities

Grote Industries is a leading manufacturer and marketer of vehicle lighting and safety systems. Our company was founded in the heartland more than 100 years ago and has remained family owned from the day William Grote opened the doors for business.

With manufacturing locations in Canada, Mexico, and the United States, we are the only heavy duty lighting supplier that can boast to be a true NAFTA company. We are an industry leading manufacturer, the first to receive our TS16949 certification in the heavy duty lighting industry.

Our company is steeped in tradition with a continued focus on innovation as well as a strong commitment to providing quality products and services. We still hold firm to the family values and work ethics set forth by our founder all those years ago.

See the Difference...Simply Stated...Simply Evident.

Better Light, Better Performance™

Grote has spent countless hours studying the difference between “brightly lit” and “optimally lit” environments. We understand the relationship between lighting and human and vehicle performance. Our optical engineers have designed the entire array of Grote LED WhiteLight™ Work Lamps to provide maximum visual comfort while reducing fatigue, stress and operator error – all while being some of the most durable and reliable lamps on the planet.

The Grote Performance Advantage™

It’s not just a matter of building a “bright light” – it’s a dedication to delivering the “right light” that continues to set Grote apart. We engineer light to meet the specifications of unique environments – optimizing the lighting conditions for the operations to be performed within them.

Trilliant® High-Performance LED Work Lamps

Grote’s Trilliant® Family of LED WhiteLight™ Work Lamps are the industry’s most advanced and have set a new standard for value, durability and performance.

KKK-A-1822 section 3.8.4.1 states that the patient compartment floor should have more than 15 foot candles of intensity. This measurement is to be taken along the center line of the clear floor. With the cot in position, the minimum illumination should exceed 35 foot candles on at least 90% of the cot’s surface area.

All of the products mentioned in this catalog are either water and/or spray resistant.
**Interior Illumination**

Primary patient compartment, action area, supplemental compartment and cabinet illumination.

- **Primary Patient Compartment Lighting**
  - GSA compliant

- **Action Area/Supplemental Lighting**

- **Compartment/Cabinet Lighting**

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**6.5” S100 LED Whitelight™ Surface Mount Dome Lamp**

High-output LED dome lamp emits low heat. Tough polycarbonate lens. Sturdy aluminum base. Profile is less than 3/4” high. Rated at 50,000 service hours. Velcro® and other mounting clip options available. When properly mounted meets GSA-KKK 1822 ambulance dome lamp standards. Call your Grote representative for more information on custom lengths.

- 61G81 - 12V, 18”, Clear Lens, 700 Lumen, .65A
- 61G01 - 12V, 48”, Clear Lens, 3 function 2100 Lumen

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**6” Oval LED Utility Lamp**

Uses 70% less power than incandescent options. Integrated flap for easy installation. Male Pin for multiple pigtail and connection options.

- 61E41 - 12V, Grommet Mount
- 61E51 - 24V, Grommet Mount
- 61E61 - 12V, Integrated Flange
- 61E1 - 24V, Integrated Flange

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**4” LED Whitelight™ Lamp**

See page 6 for mounting options.

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**18” LED Whitelight™ Recesed-Mount Dome Lamp with Dimming Function**


- 61E61 - 12V, White

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**6.5” S100 LED Whitelight™ Surface Mount Dome Lamp**

Low profile sleek design, less than 15.0mm depth. Moisture proof construction allows for a wide variety of uses. Surface mount allows for quick and easy installation. 300 Lumens of output utilizing the latest LED WhiteLight™ technology. Operates at -40C to +50C. 12V / 8A, 24V / 13A.

- 61391 - 12V
- 61401 - 24V
- 61411 - 12V, w/Motion Sensor
- 61H21 - 12V, w/Motion Sensor
Exterior Illumination Perimeter, stepwell, cabinet, compartment and scene illumination.

**TRILLIANT® LED WHITELIGHT™**

This 6” x 9” surface mount, rugged, high-output lamp uses Grote’s proven premier LED WhiteLight™ technology. The light output of the Trilliant® rivals HIDs, eclipses halogen competitors and provides beam pattern evenness and color temperature that produce a contrast most like that of natural sunlight.

- 63761 - 10-30V, Wide Flood, Black
- 63771 - 24V, Wide Flood, Black
- 63931 - Bi-Voltage, Wide Flood, White
- 63581 - 10-30V, Flood, Black
- 63681 - 24V, Flood, Black
- 43652 - Mounting Bracket, Black
- 43651 - Mounting Bracket, White

**LED TRILLIANT® MINI LED WHITELIGHT™**

An excellent 4” x 6” work lamp for any instance where a high-output illumination source is needed. Like its big brother, this low-power, long-life lamp delivers beam pattern evenness and color temperature that produce a contrast most like that of natural sunlight. Mount it anywhere and enjoy thousands of hours of brilliant LED WhiteLight™. The versatile Trilliant® Mini also comes in a flush-mount version and any Trilliant® mini can be installed with an optional flush-mount bracket.

- 63601 - 12V, Spot
- 63611 - 12V, Flood
- 63621 - 12V, Trapezoid
- 63631 - 12V, Flush Mount Lamp, Flood
- 63731 - 24V, Spot
- 63741 - 24V, Flood
- 63751 - 24V, Trapezoid
- 63761 - 10-30V, Wide Flood, Black
- 63771 - 24V, Wide Flood, Black
- 63931 - Bi-Voltage, Wide Flood, White
- 63911 - 24V, Flood, Black
- 63910 - 24V, Flush
- 63921 - 24V, Trapezoid
- 63931 - Bi-Voltage, Flood
- 63951 - Flush Mount

**LED TRILLIANT® 36 LED WHITELIGHT™**

The Trilliant® 36 LED WhiteLight™ with Mounting Bracket was created to give the user the ability to install an LED WhiteLight™ Work Lamp that offers total flexibility. The lamp is designed to allow 180-degrees of vertical rotation, it takes up little space and can be mounted virtually anywhere. The lamp assembly comes with a Packard-style connector and pigtail. Replaceable UV, hard-coated, polycarbonate lenses are also a standard feature.

- 63871 - 10V-30V, Bracketed, Wide Flood
- 63971 - 10V-30V, LED Bulb, Packard Connector, Wide Flood

**LED COURTESY STEPWELL LAMP**

Electronics completely encapsulated with durable epoxy for maximum environmental protection. Same mounting as popular incandescent versions. Connections can be easily adjusted for typical installations. Designed for bus electronics for seamless integration into existing platforms. ADA compliant. .3 AMPS @ 14V

- 60571 - 12V, Chrome

**36 LED COURTESY STEPWELL LAMP**

Uses 70% less power than incandescent options. Integrated flange for easy installation. Male Pin for multiple pigtail and connection options.

- 61E41 - 12V, Grommet Mount
- 61ES1 - 24V, Grommet Mount
- 61E01 - 12V, Integrated Flange
- 61E11 - 24V, Integrated Flange

See page 6 for mounting options.
Support Products - Signal Lamps

**SUPERNOVA® 4" NEXGEN™ LED STOP / TAIL / TURN**

Less current draw than standard incandescent lamps for increased fuel efficiency and more power available to other vehicle systems. 20% less current draw than major competitor LED products. Fully encapsulated circuitry provides protection from the elements. Similar look to incandescent light, which helps prevent theft.

54332 - Red, Male Pin
54333 - Yellow, Male Pin

**SUPERNOVA® 4" 10-DIODE PATTERN STOP / TAIL / TURN LED LAMP**


53252 - Red, Male Pin
53552 - Red, Hard Shell
53253 - Yellow, Male Pin
53553 - Yellow, Hard Shell

**SUPERNOVA® 4" FULL-PATTERN STOP / TAIL / TURN LED LAMP**

Encapsulant potting for total circuit-board protection. Hermetic lens-to-housing seal. Advanced pin connection system uses tin-plated, solid brass pin terminations. Uses same UBS pigtail as Male Pin incandescent.

53312 - Red, Male Pin
53313 - Yellow, Male Pin

**SUPERNOVA® LED 9-DIODE OVAL STOP/TAIL/TURN LAMP**

High visibility optics combined with high output LED’s result in a high performing stop, tail and turn lamp. Available in Grote OEM male pin, hard shell, and hard wired termination options for easy retrofit or replacement. Electronics completely encapsulated with durable epoxy for maximum protection from the environment. Fits current mounting flanges and grommets.

54132 - Red, Male Pin
54142 - Red, Hard Shell
54133 - Yellow, Male Pin
54143 - Yellow, Hard Shell

**SUPERNOVA® LED OVAL STOP/TAIL/TURN LAMP**


53962 - Red, Male Pin
53963 - Yellow, Male Pin

**SUPERNOVA® 4" DUAL SYSTEM LED BACK-UP LAMP**

Requires two lamps to meet back-up function. Environmental encapsulant potting for total circuit board protection. Advanced pin connection system uses tin-plated, solid brass terminations. Uses same UBS pigtail as male incandescent. Hard coated lens for long-term UV protection.

62391 - Round, Horizontal Mount, Clear, Male Pin
62601 - Oval, Horizontal Mount, Clear, Male Pin
62591 - Oval, Horizontal Mount, Clear, Male Pin

**SUPERNOVA® 4" DUAL SYSTEM LED BACK-UP LAMP**

Fits standard round or oval grommets and brackets. Hermetically sealed lamp prevents water intrusion. Requires two lamps to meet back-up function. Encapsulant potting for total circuit board protection.

62091 - Round, Clear, Male Pin
62101 - Round, Clear, Hard Shell
62261 - Oval, Male Pin
62271 - Oval, Hard Wire

**MICRONOVA® DOT CLEARANCE / MARKER LED LAMPS**


49322 - Red P2 w/ Grommet
49332 - Red PC w/ Grommet
49333 - Yellow P2 / PC w/ Grommet
Support Products - Pigtails, Brackets, and Grommets

GROMMET FOR 6" OVAL OR 4" ROUND LAMPS
Fits 6" oval or 4" round lamps. Oval fits 2.5" x 6.76" size hole and round fits 4.5" hole. Both fit panel thickness up to 1/4".
- 92420 - Oval, Open Back
- 91740 - Round, Open Back
- 92720 - Oval, Closed Back
- 91950 - Round Closed Back

THEFT-RESISTANT MOUNTING FLANGE FOR OVAL OR ROUND 4" LAMPS
Snap-in feature, locks lamp in place to reduce chance of theft. Attractive add-on option improves the look of any rig or trailer.
- 43723 - Oval, Stainless Steel
- 43223 - Oval, Chrome Plated, ABS
- 43222 - Oval, Black, Polycarbonate
- 92510 - 4" Round, White, Polycarbonate
- 92512 - 4" Round, Black, Polycarbonate
- 92511 - 4" Round, Gray, Polycarbonate
- 92513 - 4" Round, Chrome Plated, ABS
- 43253 - 4" Round, Stainless Steel

SNAP-IN THEFT-RESISTANT FLANGE FOR 4" ROUND LED LAMPS
Flange is held in place by snap tabs as opposed to standard screw holes, for a quicker, easier installation. Snap tabs on the flange lock the flange into place, keeping it from backing out of the hole. Flange is theft-resistant once snap tabs are in place. Foam gasket cushions flange from vibration and road shock. Panel thickness .120" to .250" thick mounting hole size 4.50" diameter.
- 93553 - Chrome
- 93552 - Black
- 93550 - Gray
- 43702 - Red, Reflex

MOUNTING BRACKET FOR OVAL OR 4" ROUND LAMPS
90° angle bracket. For use with oval or round lamps. Grommet required for mounting.
- 43362 - 90°, Oval, Black
- 42042 - 45°, Oval, Black
- 43572 - 90°, 4" Round, Black
- 42052 - 45°, 4" Round, Black

"Z" MOUNTING BRACKET FOR OVAL LAMPS
Heavy gauge steel, baked black enamel finish. Grommet or flange required for mounting.
- 43952 - Black

SURFACE MOUNT SNAP-IN FLANGE FOR OVAL LAMPS
Allows for quick and easy surface mount application.
- 42153 - Chrome
- 42152 - Black
- 94540 - Gray, 4" Round

STOP / TAIL / TURN THREE-WIRE PLUG-IN PIGTAILS FOR MALE-PIN LAMPS
- 66815 - 6" Long, Ground Return System, Slim-line .180 Male
- 66816 - 6" Long, Ground Return System, 90° Plug, Slim-line .180 Male

TWO-WIRE PLUG-IN PIGTAILS FOR MALE-PIN LAMPS
- 66842 - 10" Long, Chassis Ground, Slim-line .180 Male
- 66846 - 10" Long, Chassis Ground, 90° Plug, Slim-line .180 Male

ADAPTER PLUGS
Female to male pin lamp termination, and male to female pin lamp termination.
- 66836 - 6" Long, Female Pin to 90° Male Pin Lamp Termination
- 66830 - 6" Long, Female Pin to Male Pin Lamp Termination
Dimensions - Signal Lamps, Brackets and Grommets.
A family’s commitment to the vehicle and transportation lighting industry, spanning more than four generations

Just like many of the distributors, fleets and OEM’s Grote Industries serves, we’re a family-owned business. Like a number of our customers, we’re proud of our family’s multi-generational commitment to the transportation industry, reaching back more than a century. If you know the Grote family, you also know that the vehicle lighting business is not just a job to us, it’s something that’s molded into our family’s culture — part of our very DNA. We’re fond of saying that “lighting is in our blood” and we’re only half kidding.

Unlike many institutionally-owned companies, we’re able to draw on our family’s time-honored values, built upon our tradition of service to the industry and our fierce entrepreneurial spirit. We’re thankful for the visionary legacy of our predecessors and because of it, we can’t help but to see the past, present and future of the lighting industry in a different context from those who simply find themselves working in the lighting business.

Founded on the principles of solid customer relationships, continuous innovation and exceptional product performance, Grote is committed to propelling itself and its industry forward, with inventive products and challenging ideas.

As a corporation, our family’s culture extends to our entire organization, around the globe and particularly to our customer-facing staff. Grote is not sales oriented, we’re not engineering oriented — we’re relationship oriented and we’re working hard every day to uphold our reputation and continue to earn your trust.

The Grote family has played a prominent role in shaping the vehicle lighting industry. We are deeply and personally engaged today, as we will be in the future, to make the kind of brave choices and bold decisions that will help move the vehicle lighting industry ahead and into an even brighter tomorrow.