

# STAR HEADLIGHT & LANTERN Co., Inc.



**1889**

## RAILROAD PRODUCTS



**2014**



# STAR 2012™ LED



2012-GRE

- Utilizes LED technology for both the Signal lamp and Spot lamp
- Extremely bright center LED Spot light
- Nine Signal LEDs provide a 360° illumination of the lantern head
- LEDs are rated up to 100,000 hours
- Standard battery life:
  - Spot only - 33.5 hours
  - Spot and Signal - 22.5 hours
- Smooth front lens for water resistance
- Fully sealed circuit board
- Three position sealed push button switch
  - Position 1 - Spot only
  - Position 2 - Signal only
  - Position 3 - Spot and Signal
- Polycarbonate base/case can withstand temperatures ranging from -75° to + 150° Fahrenheit
- Low voltage red LED senses when battery needs to be recharged or replaced
- Rugged coated, lightweight aluminum handle for comfortable grip
- Ergonomically designed handle has four positive locking positions for easy use in any application
- New highly visible green case
- 100% designed, manufactured and assembled in the United States

# STAR 292



292-YEL

- Increased light output and visibility while retaining the rugged durability
- The computer designed lens/optical system focuses much more of the available light and your choice of:
  - Halogen - HPR50
  - Standard Incandescent bulbs - PR13
- Both bulbs are PR style for easy installation or change
- Signal bulb is raised to insure visibility
- Lexan base/case can withstand temperatures ranging from -75° to + 150° Fahrenheit
- Color Bases: Yellow, Safety Red, Blue, Green
- Handle is easy to grip firmly, or enough room to slip your arm through to carry
- Head assembly is made of high impact polycarbonate
- You can order standard or rechargeable version

## Star 292LED-RC Lantern Head



- Star Generation III, high power, LED technology
- Rated for over 50,000 hours - never need to change a bulb
- Exclusively designed for use with rechargeable batteries
- Ergonomically designed handle has four positive locking positions for easy use in any application
- Lexan base will not corrode, rust, dent, or break
- Head assembly is made of high impact polycarbonate
- Also available 292-LED non-rechargeable version

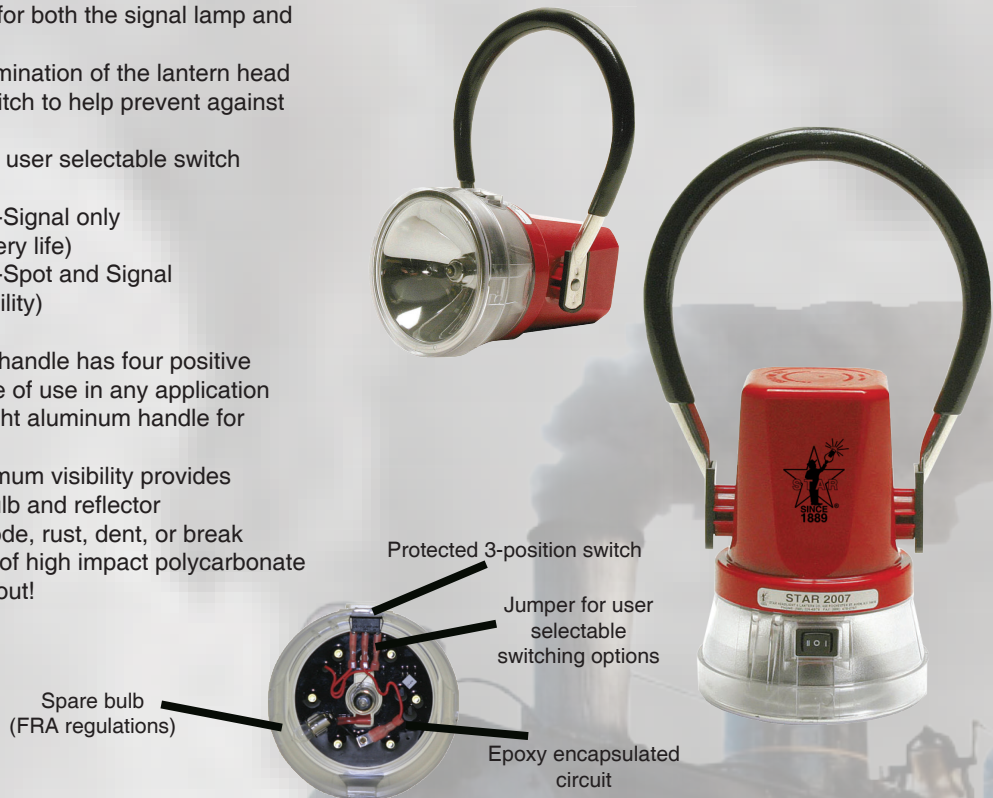


TOLL FREE FAX LINE: 1-888-478-2797 [WWW.STARHEADLIGHT.COM](http://WWW.STARHEADLIGHT.COM)



# STAR 2007® LED

- Utilizes LED technology for both the signal lamp and the spot lamp
- LEDs provide a 360° illumination of the lantern head
- New recessed rocker switch to help prevent against accidental power on
- Three position offers two user selectable switch options:
  - Position 1: Spot only-Off-Signal only (max. battery life)
  - Position 2: Spot only-Off-Spot and Signal (max. visibility)
  - Position 3: Off
- Ergonomically designed handle has four positive locking positions for ease of use in any application
- Rubber coated light weight aluminum handle for comfortable grip
- Clear front lens for maximum visibility provides protection for the spot bulb and reflector
- Lexan base will not corrode, rust, dent, or break
- Head assembly is made of high impact polycarbonate - no metal parts to wear out!
- Highly visible Red case



Star 2007® LED Lantern circuit

## CAR INSPECTOR LED MODEL 500-J

- Strong polycarbonate case
- Handle is easy to grip firmly, or enough room to slip your arm through to carry
- You can order the 500-J or 500-JE (with the extended base for easy and safe over-the-arm carrying)
- Utilizes LED technology for both the Signal lamp and the Spot lamp
- Nine Signal LEDs provides a 360° illumination of the lantern head
- LEDs are rated for up to 100,000
  - Spot only - 33.5 hours
  - Spot and Signal - 22.5 hours
- Smooth front lens for water resistance
- Fully sealed circuit board
- Three position sealed push button switch
  - Position 1 - Spot only
  - Position 2 - Signal only
  - Position 3 - Spot and Signal
- Low voltage red LED senses when battery needs to be recharged or replaced

500-J Hexagon Base



**500-JE with extended base for easy and safe over-the-arm carrying**

# CAR INSPECTOR MODEL 500-C



**500-C Hexagon Base**



**500-CE with extended base for easy and safe over-the-arm carrying**

- Strong polycarbonate case and transition piece with a positive action switch
- Pillow optics gives a square beam of outstanding brightness
- Handle is easy to grip firmly, or enough room to slip your arm through to carry
- Lexan base/case
- Bulb sits firmly in the focal point of the lens to give you maximum brightness
- You can order the 500-C or 500-CE in the rechargeable battery version with PR12 bulb only

# LOCOMOTIVE STROBE 200BC



**Height:** 7 3/4"  
**Diameter:** 8 1/4"  
**Flash Rate:** 65 fpm (flashes per minute)  
**Weight:** 5.5 lbs.

- Strongest and best locomotive strobe
- Durable die-cast aluminum base with permanent mount
- Clear outer Lexan dome is easy to clean
- Inner Lexan lens colors (Amber, Blue, Clear, Red)
- Temperature range: -40° to +135° Fahrenheit
- Universal power supplies: 72V DC
- Double voltage protected with MOV and surge suppression
- Available in single or double flash versions

# LED PERSONAL SAFETY



**360DL-R/R**



**360DL-B/B**

**Height:** 4 3/4"  
**Diameter:** 1 1/2"  
**Magnet:** 2 3/8"  
**Flash Rate:** 65 fpm (flashes per minute)  
**Weight:** > 1 lb.

- Lightweight and easy to use
- Twist on/off lens
- 60 lbs. pull magnet mount
- Large metal safety pin for attachment to clothing
- LEDs are rated for up to 100,000 hours or approximately eleven years
- Extremely low LED amp draw extends battery life by at least seven times
- Over thirty-eight hours average battery life!
- On/off slide switch
- Lens and carry case are made of high impact polycarbonate
- Requires one "D" cell battery - not included
- Nylon strap and magnet



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## STAR BLUE LIGHTS

- LEDs are a solid state, no filament that is susceptible to shock or vibration if dropped
- Never replace a bulb again (LEDs last over eleven years)
- Low voltage warning circuit with an LED lets you know when to recharge the battery
- Red or Amber LED only draw 120mA compared to 500mA drawn by standard bulbs
- Blue LED only draws 180mA compared to 500mA drawn by standard bulbs
- Rechargeable battery will now last up to eighty hours before needing a recharge
- Case colors: Red, Blue, Orange

**Height:** 9"  
**Base Diameter:** 5 1/2"  
**Lens Diameter:** 2 1/2"  
**Battery:** one (6V lantern type)  
**Operating Temp. Range:** -20°F - 135°F  
**Lens Colors:** Amber, Blue, Red, Clear, Green, Magenta



215LED

- Two bulb protection - backup bulb activates manually
- Comfortable handle for easy carrying
- Easy to operate
- 360° lens for maximum visibility
- Lexan case and base for assured cold weather operation
- Order model 215TL for flashing incandescent
- Order model 215CL for constant light
- Case colors: Red, Blue, Orange

**Height:** 11"  
**Weight:** (less battery): 1 1/4 lbs.  
**Bulb:** PR13 (two)  
**Battery:** one (6V lantern type)  
**Operating Temp. Range:** -20°F - 135°F  
**Lens Colors:** Amber, Blue, Red, Clear, Green, Magenta



215-TL

## BARRICADE LIGHTS

- Reliable Fail-Safe operation - if the first bulb burns out, the spare bulb will automatically and instantly switch on
- Men working under and around cars can depend on continuous protection
- Bi-directional lens
- Wire bail handle is standard for convenient carrying or hanging
- Continuous safe protection
- Case color - Safety Orange

**Height:** 13 1/4"  
**Case Dimensions:** 7 1/4"W x 3 1/2"D x 5 3/4"H  
**Lens Diameter:** 5 1/4"  
**Flash Rate:** 65 fpm (flashes per minute)  
**Weight:** (less battery) 1 3/4 lbs.  
**Bulb:** 1408 (two)  
**Battery:** one (6V lantern type)  
**Operating Temp. Range:** -20°F to 135°F  
**Lens Colors:** Amber, Blue, Red, Clear, Green



877

- Thick case contributes to the ability to resist damage, even through severe climate conditions or abuse
- Encapsulated circuits are weather and moisture resistant
- Solid-state design prevents damage from vibration
- Lens halves connect directly onto case neck, increasing strength
- Optional photocell automatically turns light on in nighttime or overcast conditions
- The case material is ABS plastic (Black, Blue, Orange, Red, White, Yellow)

**Height:** 12 1/4"  
**Case Dimensions:** 7 1/4"W x 3 1/2"D x 5"H  
**Lens Diameter:** 7"  
**Flash Rate:** 65 fpm (flashes per minute)  
**Weight:** 1 lb.  
**Bulb:** 1906 (steady burn, 6V)  
           1850 (flashing, 6V)  
           1408 (flashing, 12V)  
**Battery:** two (6V lantern type)  
**Operating Temp. Range:** -20°F to 135°F  
**Lens Colors:** Amber, Blue, Red, Clear, Green



747

- Convenient portable flashing incandescent model, economically operating off two 6V lantern batteries
- Single tube provides 360° visibility from computer designed optics
- Finest lens in the industry (and the largest lens we offer)
- Three way internal push button switch (steady burn, flashing, on/off)
- Photocell
- The case material is ABS Safety Orange
- Strobe model also available

**Height:** 11 3/4"  
**Case Dimensions:** 6 3/4"W x 3 1/4"D x 5 3/4"H  
**Lens Diameter:** 7"  
**Flash Rate:** 65 fpm (flashes per minute)  
**Weight:** (less battery) 2 lbs.  
**Bulb:** 1850 (one, flashing)  
**Battery:** two (6V lantern type)  
**Operating Temp. Range:** -20°F to 135°F  
**Lens Colors:** Amber, Blue, Red, Clear, Green



735-FI-SB-PC

# MARKER LIGHTS FRA APPROVED



8801-NS  
Bracket  
Front view



Bracket  
Side view



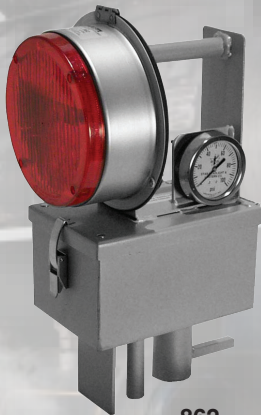
861

- Computer designed lens/optical system
- 7" diameter Lexan lens and parabolic reflector to optimize light output
- Red or Amber are FRA approved colors
- Air gauge - reinforced air hose and test glad hand standard for convenient checking of air pressure
- Fifteen amp hour rechargeable battery can give up to fifty hours of continuous operation
- Voltage cutoff circuit protects battery against excessive drain
- Polarized charger receptacle located inside, safe from weather and dirt
- Fully welded steel box of rugged 16 gauge
- Plastic coated steel handle, roomy enough for gloved hands
- Rubber covered on/off switch
- LED warning light to alert you when battery needs recharging
- Photocell activated on/off conserves battery life and is also useful for checking light function

**Dimensions:** 14" X 11" X 4 1/4"

**Weight:** (less bracket) under 30 lbs.

Lightweight!



862

- 7" Lexan lens and large parabolic reflector insures that you get the maximum light output in either Red or Amber FRA approved colors
- Exclusive Star design
- Well balanced! Easy to carry, easy to install
- Box is fully welded 16 gauge steel
- Uses inexpensive, standard 6V spring terminal batteries
- Holds six, can run on as few as two batteries
- You can also choose the rechargeable battery version
- Two mounting choices:

**8801-SCL** - standard 3" bracket

**8801-SHELF** - extra versatility for shelf style coupler

- Specify ACCESSORY OPTION if you want the permanent mounted air gauge with test glad hand and reinforced air hose
- Circuit: with or without voltage cutoff
- Fully encapsulated circuitry for increased weather and shock resistance

**Dimensions:** 18" x 9 1/8" x 8 1/4"

**Weight:** (less bracket) 12 lbs.



845



845 Side view

- Permanent - first FRA approved marker light
- Self-contained, designed to operate from outside power sources or from axle generators
- Computer designed lens/optical system uses 7" Lexan lens with parabolic reflector to give you maximum visibility, at minimal current levels
- Model options:

**845-F** - flashing version (12V DC)

**845-C** - steady burn (12, 36, 72V DC)

**845-S** - strobe version (72V DC)

- Fully encapsulated circuitry for increased weather and shock resistance
- Lens colors: Amber, Red, Clear

**Dimensions:** 8 1/4" x 4"

**Weight:** less than 4 lbs.

# RECHARGEABLE BATTERIES AND CHARGERS

- Micro-processor controlled
- Short circuit protection
- Two LEDs for each battery to indicate charge status independent of each other
- Three stage charging cycle to maximize both charge and battery life
- Reverse polarity impossible as the battery will only fit in charger one way
- Chargers monitor the battery and provide top-off charge if battery is left in the charger for a long period of time
- Each bay operates independently so if one bay goes bad you can still use the others

Note: For Nickel Metal Hydride only, NOT for Sealed Lead Acid, Ni-Cad, Alkaline, etc.

- Single Nickel Metal Hydride battery charger only



**CT301**

- Charges as many as five Nickel Metal Hydride batteries at a time



**CT305**

- Nickel Metal Hydride battery
- Lightweight - weighs less than 1 lb.
- Lasts for over two years
- Quick charge
- Battery lasts 25% longer per shift than the 8100RC



**8100RCLWT**



**CT105**

- Five gang charger that charges five-8100RC rechargeable batteries at once
- Each bay operates independently so if one bay goes bad you can still use the others



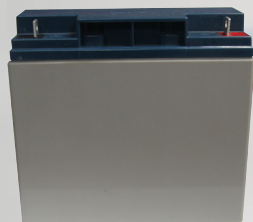
**8100RC**

- Sealed Lead Acid Battery
- Lasts for one year
- 6V Rechargeable



**CT101**

- Single unit battery charger
- Can be used with either the CT100 transformer, or a CT100-CP (cig. plug)



**8691**

- Battery for the 861
- 12V



**854-12**

- 6 amp battery charger
- 12V



**8100**

- Lasts for one year
- 6V



Proudly Designed, Manufactured, and Assembled in the USA!

## Star Headlight & Lantern Co., Inc.

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