

### BENCHMARKS



PARTY OF A DESCRIPTION OF

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MOTORBOATING

BOATKEEPER AWARDS 2003

Innovative Lighting, Inc. Hand Held Signaling Hom

### M

In 2002, 2003 and again in 2004, Innovative Lighting has been named by INC. Magazine as one of the nation's top 500 fastest growing companies.

## M

Jerry Handsaker, President of Innovative Lighting Inc. received the 2004 Iowa / Nebraska Region Ernst & Young Entrepreneur Of The Year® award. More than 3,000 people across the United States are nominated annually for the prestigious Ernst & Young awards program. Of these nominees, approximately 350 are honored as outstanding entrepreneurs. Handsaker said, "This award reflects on the outstanding effort made by each and every employee of Innovative Lighting."

## $M\!\!/$

Innovative Lighting received the Innovation Award for their new battery-operated Hand Held Signaling Horn. They received this award during the 2003 MAATS show held in July in Las Vegas, NV. This award was presented by the National Marine Manufacturers Association.



The 2003 Boatkeeper Award was presented by the Editor-in-Chief of MotorBoating Magazine to Innovative Lighting for their Hand Held Signaling Horn. This award is given for the most functional gear and accessories designed to make the boat owner's life easier.



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To produce innovative, value intensive products by cultivating the







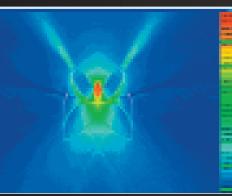


### COMMITMENT TO EXCELLENCE

It is our conviction that to be the best is not sufficient for that is only a comparison to the standards of others.

## |||||MISSION STATEMENT

## SOLUTIONS



### Lens Optimization

Innovative Lighting develops and designs energy efficient, cost effective lighting products. Using sophisticated lens software, we collect, measure, and redistribute the light energy (source) to a calculated surface. Our virtual modeling system optimizes the lens design so the light output loses the least amount of light energy assuring an accurate and reliable optical system.

### CAD / Design Services

Innovative Lighting utilizes the latest computer aided engineering software, including ProE, Solid Works, Trace Pro, Mold Flow, and TFCalc, to create threedimensional (3-D) solid databases enhanced by Innovative's own optical software for lens optimization. This database allows for modifications and designs that are tailored to meet customer and industry specifications.





### Rapid Proto-Typing

Innovative Lighting uses the latest in technology to produce 3-D Selective Laser Sintering (SLS) prototypes from computer generated databases. Innovative, as well as our customers, may compress development time, reduce tooling costs, refine and test functional SLS parts into a matter of days. Innovative provides a high speed Internet link with secure FTP sites to accept database files in STL, Iges, and ProE formats.

Multiple materials can be used to satisfy customer specific requirements including...

- Duraform (Nylon)
- Somos (Flexible Elastomer)
- Glass-filled Duraform
- Castform (Polystyrene / Wax)

### **Proto-Type Finishing**

Innovative Lighting produces fully finished prototypes useful for your engineering, marketing or testing requirements. Innovative can create a high profile prototype that appears completely finished, commercial ready, and fully functional.





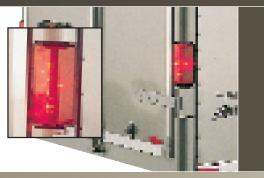
### Injection Molding Services

Innovative Lighting manufactures and produces precise, high quality molded components from our state-of-the-art electric and hydraulic presses that meet and exceed customer expectations.



### Distribution / Packaging

Innovative Lighting carries a complete finished goods inventory in bulk and point-of-purchase retail packaging. Our products are sold worldwide through a select network of professional independent sales representatives and distributors.



# **INNOVATIVE** *LIGHTING* inc.<sup>®</sup>



### Proto-Type Molds

Innovative Lighting can produce cost effective and accurate prototype molds machined to manufacture plastic components from any specified thermoplastic material. This service is ideal for producing high-quality, low volume parts that do not warrant expensive hardened tool steel dies.



#### **Precision Assembly**

Innovative Lighting performs all of its assembly processes in a controlled environment to assure proper set-up and curing time. Components are designed, measured, and monitored to meet our stringent specifications.



#### **Proprietary Custom LED Applications**

Innovative Lighting offers complete engineering assistance in designing, prototyping and manufacturing proprietary LED lighting applications in accordance with DOT/SAE and FMVSS 108 standards. All safety LED lighting products are independently third party certified.



## LED FACTS & BENEFITS

Light Emitting Diode, more commonly known as "LED", represents the cutting edge of lighting technology. LEDs operate on a totally different concept than traditional incandescent style lights. Instead of using a brittle metal filament that is susceptible to shock and vibration, LEDs are solid-state devices with no moving parts utilizing an electronic chip that is encapsulated in an epoxy substrate. This design provides increased durability and a protective seal against outside or foreign elements.

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#### Efficiency

LED's are very energy efficient and consume less power (amp draw)...up to 90% less power than incandescent bulbs. This reduces the load on your electrical system including your battery, alternator, and power converter resulting in direct money-saving benefits.

#### No Heat

LED lights generate no heat therefore they are cool to the touch and can be left on for hours without incident or consequence if touched.

#### Longevity

LEDs are rated for 100,000 hours compared to 3,000 hours for incandescent bulbs. Consider real world circumstances where most incandescent bulbs need to be replaced within one year. An LED light will last over 20 years before needing a replacement.

#### Fusing

Due to the low energy draw of LEDs, the gauge of wire used can be reduced. CAUTION: Typical incandescent fusing requirements are too robust for LEDs and therefore, fusing must be sized for the low LED circuit draw. Incorrect fuse sizing can cause damage to your electrical system. Innovative's Electronic Engineering Staff can assist you when sizing your fuse requirements.

#### Future

LEDs are vastly becoming the preferred low voltage lighting resource versus incandescent lighting. New and brighter LEDs are under development and will impact your future lighting requirements.

Innovative Lighting is recognized as a leading design and manufacturing company specializing in quality LED lighting applications and solutions.

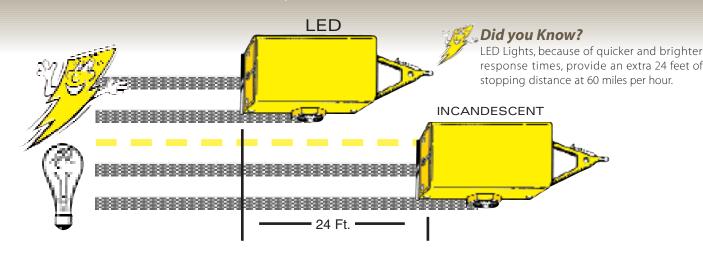
Take advantage of the many benefits of LED lighting and the proven experience of Innovative Lighting.

#### Know Your A<B<Cs

LED's are measured by an "alpha number," also known as, a "bin" number. For example A,B,C, etc... the higher the alpha or bin number, the higher the intensity. The color of light and consistency of light varies with manufacturers. Innovative Lighting uses only approved manufacturers meeting our stringent design and quality specifications.

# SAFETY

Improved safety may be LED's most important benefit, as they provide instantaneous and brighter illumination compared to incandescent bulbs that require more burn time when illuminated.



#### | M A G | N A T | *L.E.D. Series Care*

ILLUMINA LED/Fluorescent

SIMPLICIT L.E.D. Marker Lig

AWARENES *L.E.D. Identificatio* 

#### INNOVATIC L.E.D. Tail Lights/

#### REFLECTIO Strobes and Refle

V | S | O N *L.E.D. Navigation* 

INTENSE Piezo Signaling D

FIRST – CLA Portable Navigat

CRAFTSMA Docking/Backup

REVOLUTI( *L.E.D. Deck/Dock* 

PRESENTA P.O.P Packaging

ANSWERS

Information and



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## IMAGINATION



#### Single LED Accent Surface Mount Lights

#### • Operates 9-16 Volt DC Systems

- 24 Volt Version Available
- Size: 1.57" L x .82" W x .57" D
- Rated @ 200.000 Hours of Service Life
- Shock and Vibration Proof
- Cool to the Touch
- Energy Draw 26 Milliamps
- No Corrosion
- Potted to Seal Out Moisture
- 1 | FD
- Patent #D443377

**3-LED Step Surface** 

• 24 Volt Version Available

Shock and Vibration Proof

• Energy Draw 26 Milliamps

• Potted to Seal Out Moisture

**4-LED Courtesy Surface** 

• Operates 9-16 Volt DC Systems

• Size: 1.57" L x .82" W x .57" D

• Rated @ 200,000 Hours of Service Life

• 24 Volt Version Available

Shock and Vibration Proof

• Energy Draw 26 Milliamps

Potted to Seal Out Moisture

• Operates 9-16 Volt DC Systems

• Size: 1.71" L x .65" W x .40" D • Rated @ 200,000 Hours of Service Life

Mount Lights

• Cool to the Touch

• Patent #D440673

Mount Lights

• Cool to the Touch

• Patent #D443377

• No Corrosion

• 4 LEDs

Ambei

**1**X00

No Corrosion

• 3 LEDs

#### **Product Numbers**

See Chart for Case Color Options Model No.: 001-1x00 Amber Model No.: 001-2x00 Blue

Model No.: 001-3x00 Green Model No.: 001-4x00 Red Model No.: 001-5x00 White Model No.: 001-6x00 Purple

Model No.: 001-7x00 Orange

Model No.: 001-8x00 Teal

Bulk Std. Pack Qtv = 12 Packaged Std. Pack Qty = 12



#### **Product Numbers**

See Chart for Case Color Options Model No.: 003-1x00 Amber Model No.: 003-2x00 Blue Model No.: 003-3x00 Green Model No.: 003-4x00 Red Model No.: 003-5x00 White Model No.: 003-6x00 Purple Model No.: 003-7x00 Orange Model No.: 003-8x00 Teal

Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 12



#### **Product Numbers**

See Chart for Case Color Options Model No.: 004-1x00 Amber Model No.: 004-2x00 Blue Model No.: 004-3x00 Green Model No.: 004-4x00 Red Model No.: 004-5x00 White Model No.: 004-6x00 Purple

Packaged Std. Pack Qty = 12



Chrome Case WhiteCase X**0**00 X**1**00 X**2**00



#### 3-white LED Portable **Battery Operated Lights**

- 3-AAA Batteries Required
- Size: 2.40" L x 1.78" W x 1.33" D
- Built-in On/Off Switch
- Snap On/Off Battery Cover
- Super Light Weight
- Cool to the Touch
- Velcro Mounting Strips Included
- 3 LEDs



Belt Clip

#### **Product Numbers**

Model No.: 010-1100 Amber w/ Amber Lens Model No.: 010-1500 Amber w/ Clear Lens Model No.: 010-2500 Blue w/ Clear Lens Model No.: 010-3500 Green w/ Clear Lens Model No.: 010-4400 Red w/ Red Lens Model No.: 010-4500 Red w/ Clear Lens Model No.: 010-5500 White w/ Clear Lens



#### **Product Numbers**

Model No.: 011-1500 Amber (1 LED) Model No.: 011-2500 Blue (1 LED) Model No.: 011-3500 Green (1 LED) Model No.: 011-4500 Red (1 LED) Model No.: 011-5500 White (2 LEDs) Model No.: 011-6500 Orange (1 LED) Model No.: 011-7500 Teal (1 LED)



#### Product Numbers

Model No.: 200-2503 Blue Model No.: 200-3503 Green Model No.: 200-5503 White Model No.: 200-9902 Optional Chrome Trim Ring

Bulk Std. Pack Qty = 12



Model No.: 004-7x00 Orange Model No.: 004-8x00 Teal

Bulk Std. Pack Qty = 12 



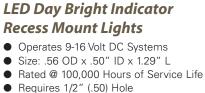












• Shock and Vibration Proof

LED Bulkhead / Livewell

• Operates 9-16 Volt DC Systems

• Size: 1.00" OD. x 1.25" L x .68" ID

• Rated @ 100,000 Hours of Service Life

**Recess Mount Lights** 

• Requires 11/16" (.687) Hole

• Shock and Vibration Proof

• Rated for Underwater Use

Led Surface Mount Lights

• Size (w/o trim ring): 2.60" L x 1.90" W x .66" D

• Rated @ 100,000 Hours of Service Life

• Operates 9-16 Volt DC Systems

Shock and Vibration Proof

• Energy Draw 50 Milliamps

• Cool to the Touch

No Corrosion

• 2 LEDs

• Cool to the Touch

• Patent #D439350

No Corrosion

• 1 LED

• Cool to the Touch

No Corrosion

• 1 LED



#### **Product Numbers**

- Model No.: 005-5000 Black Case
- Model No.: 005-5010 Black Case w/ Wedge & Bracket
- Model No.: 005-5020 Black Case w/ Clip
- Model No.: 005-5100 Green Case
- Model No.: 005-5120 Green Case w/ Clip
- Model No.: 005-5200 Yellow Case
- Model No.: 005-5220 Yellow Case w/ Clip
- Model No.: 005-9910 Wedge & Bracket Only

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 10



Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6



Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6

Packaged Std. Pack Qty = 6

Shown with optional chrome trim ring.

## ILLUMINATION



Shown Actual Si

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#### LED 3" Silverlight<sup>™</sup> - Surface Mount Ceiling Light – 1 Watt

- Operates on 12 Volt DC Systems
- Single LED Configuration 1 Watt Output
- Size 3.00" L x 3.00" W x 1.00" D

LED 3" Silverlight<sup>™</sup> - Surface

*Mount Ceiling Light – 3 Watt* 

• Rated @ 50,000 Hours of Service Life

• Single LED Configuration – 3 Watt Output

• Operates on 12 Volt DC Systems

• Size 3.00" L x 3.00" W x 1.00" D

• Draws .70 Milliamps

• Sleek Low Profile

• Surface Mount Application

• Shock and Vibration Proof

- Draws .40 Milliamps
- Rated @ 50,000 Hours of Service Life
- Surface Mount Application
- Sleek Low Profile
- Shock and Vibration Proof

#### **Product Numbers**

Model No.: 031-5000 - Black Model No.: 031-5100 - White Model No.: 031-5200 - Silver Model No.: 031-5300 - Brass • Note: Interior Use Only



#### **Product Numbers**

Model No.: 033-5000 - Black Model No.: 033-5100 - White Model No.: 033-5200 - Silver Model No.: 033-5300 - Brass • Note: Interior Use Only

COLOR OPTIONS



#### Incandescent Compartment Light

- Operates 12 Volt DC System
- Uses 5 Watt Incandescent Lamp
- Size 5.50" L x 3.63" W x 1.25" D
- Draws .40 Amps
- Built-In Push Lens for On/Off Position
- Can be Mounted Surface or Flush Mount (bezel can be removed)
- Two Hole Mount
- UV Resistant Materials
- Two 6" Wire Leads (+/-)
- Flange Depth .250"
- E-mark and CE Approved

#### LED Compartment Light

- Operates 12 Volt DC System
- Draws .250 Milliamps
- Size 5.50" L x 3.63" W x 1.25" D
- Rated at 50,000 hours of Service Life
- Shock and Vibration Proof
- Built-In Push Lens for On/Off Position
- Can be Mounted Surface or Flush Mount (bezel can be removed)
- Two Hole Mount
- UV Resistant Materials
- Two 6" Wire Leads (+/-)
- Flange Depth .250"
- 6 LEDs

#### 6" Round Dome Surface Mount Fluorescent

- 12 Volt DC Systems
- 13 Watt Fluorescent Round Lamp
- Size 6.00" L x 6.00" W x 1.00" D
- .40 Amp Draw
- 6000 Hours of Service Lamp Life
- Built-in On/Off Rocker Switch
- Non-Corrosive Aluminum Base
- Non-Yellowing Acrylic Clear Lens
- 7" Bare Wire Leads
- Mounting Hardware Included
- Separate Models available for Brass, Chrome, or White Decorative Finish

### **Rectangle Surface Mount** Fluorescent Light

- 12 Volt DC Systems
- 13 Watt Compact Fluorescent Lamp • Size 10.00" L x 3.50" W x 1.50" D
  - (ll)

Black

Black

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- .50 Amp Draw • 6000 Hours of Service Lamp Life
- Built-in On/Off Rocker Switch
- Non-Corrosive Plastic Base
- Non-Yellowing Acrylic Clear Lens
- 7" Bare Wire Leads
- Mounting Hardware Included



#### 4-LED 3" Recess Mount Ceiling Light

- Operates on 12 Volt DC Systems

- Draws .50 Milliamps
- Rated @ 50,000 Hours of Service Life
- Recess Mount Application

- 4 LED Configuration
- Size 3.00" L x 3.00" W x 1.00" D

- Sleek Low Profile
- Shock and Vibration Proof



Model No · 034-5100 - White Model No.: 034-5200 - Chrome Model No.: 034-5300 - Gold

• Note: Interior Use Only

Black

COLOR OPTIONS

White Chrome

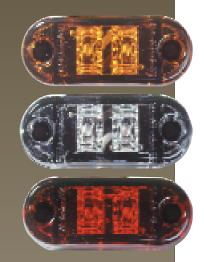
\*Photos Courtesy of Coachmen

Gold





## SIMPLICITY







#### 2 1/2" Oval LED SideMarker / Clearance Lights

- Operates 9-16 Volt DC Systems • 2 LED Configuration
- Size 2.60" L x 1.90" W x .66" D • 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate
- Lens and Housing
- Shock and Vibration Proof
- P2 P3 Rated
- Impact Resistant
- Energy Draw 50 Milliamps
- Mounted Horizontally Only



2 1/2" Oval LED Self Grounding

SideMarker / Clearance Lights

• Operates 9-16 Volt DC Systems

• Size 2.60" L x 1.90" W x .66" D

• 100,000 Hours of Service Life

• Sonically Sealed Polycarbonate

• 2 LED Configuration

Lens and Housing

• P2 P3 Rated

• Grounded Eyelet

 Shock and Vibration Proof Impact Resistant

• Energy Draw 50 Milliamps

Mounted Horizontally Only

2 1/2" Oval LED Stud

• 2 LED Configuration

Lens and Housing

• P2 P3 Rated

**OPTIONS** 

Model No.: 200-9902

Bulk Std. Pack Qty = 12

Packaged Std. Pack Qty = N/A

Size 3.24" L x 1.7" W x .34" D

2 1/2" OVAL CHROME TRIM RING

Impact Resistant

Shock and Vibration Proof

• Energy Draw 50 Milliamps

Mounted Horizontally Only

• Operates 9-16 Volt DC Systems

• Size 2.60" L x 1.90" W x 1.00" D

• Stud 3/8" (.375) - 16NC x 3/4" (.750) L • Sonically Sealed Polycarbonate

2 1/2" OVAL SIDE MARKER GROMMET

Model No.: 200-9900

Bulk Std. Pack Qty = 12

Packaged Std. Pack Qty = N/A

Size 3.25" L x 1.93" W x .50" D

• 100.000 Hours of Service Life

• Requires 13/32" (.406) Hole

#### **Product Numbers**

Model No.: 200-1100 Amher

Amber / Clear Lens Model No.: 200-4400 Red

Model No.: 200-4500 Red / Clear Lens

Model No.: 200-9905 Optional Gasket

Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6



**Product Numbers** 

Model No.: 200-1103

Model No.: 200-4403

Red w/Grounded Eyelet

Bulk Std. Pack Qty = 12

DOT/SAE 🛛 🖉 💓

Packaged Std. Pack Qty = N/A

Amber w/Grounded Eyelet

Model No.: 200-1500



#### LED Sidemarker / Clearance Light With Reflectivity

- Operates 9-16 Volt DC Systems
- Single LED Configuration
- Size 2.625" L x 2.00" W x .75" D
- 100,000 Hours of Service Life
- Snap-On/Off Polycarbonate Lens
- P2 P3 Rated
- Shock and Vibration Proof
- 6" Wire Leads
- Energy Draw 50 Milliamps

#### LED Mini-Sidemarker / **Clearance Lights**

- Operates 9-16 Volt DC Systems
- Single LED Configuration
- Size 1.375" L x 2.50" W x .875" D
- 100,000 Hours of Service Life
- Sealed Polycarbonate
- Lens and Housing
- P2 P3 Rated
- Shock and Vibration Proof
- Standard Industry Connector
- Energy Draw 50 Milliamps



- Operates 9-16 Volt DC Systems
- 6 LED Configuration
- Size 4.00" L x 1.125" W x .875" D
- 100,000 Hours of Service Life
- Sealed Polycarbonate
- Lens and Housing
- Shock and Vibration Proof
- P2 P3 Rated
- 6" Wire Leads
- Energy Draw 50 Milliamps
- 3" Mounting Centers

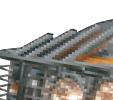
#### 6" LED Sidemarker / **Clearance Lights**

- Operates 9-16 Volt DC Systems
- Single LED Configuration • Size 6.00" L x 1.75" W x 1.125" D
- 100,000 Hours of Service Life
- Sealed Polycarbonate
- Lens and Housing
- Shock and Vibration Proof
- P2 P3 Rated
- Standard Industry Connector
- Energy Draw 50 Milliamps

\*Photo Courtesy of Real Wheels



DOT/SAE APPROVED



### Amber

Red

Packaged Std. Pack Qty = N/A

#### **Product Numbers** Sidemarker / Clearance Lights

Bulk Std. Pack Qty = 12

Model No.: 201-1100



Model No.: 201-4400



2 1/2" OVAL POLISHED

Bulk Std. Pack Qty = 12

W x 1.015" D (w/ gasket)

Packaged Std. Pack Qty = N/A Size 2.65" L x 1.325"

U-CHANNEL BRUSH GUARD

Model No.: 200-9904 Polished



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**Product Numbers** Model No.: 202-1100

Amber

Red

DOT/SAE APPROVED

DOT/SAE APPROVED

DOT SAE

DOT/SAE APPROVE

Single LED w/ Reflectivity

Model No.: 202-4400 Single LED w/ Reflectivity

Bulk Std. Pack Qtv = 24 Packaged Std. Pack Qty = 6



#### **Product Numbers**

204-1182 Amber

204-4482 Red

203-9900 Grommet

203-9903 Chrome Trim Ring

210-9902 2-Pin Male Plug-in Connector

Bulk Std. Pack Qty = 24 Packaged Std. Pack  $Qty = 6^*$ \*Trim Ring and Grommet included



Optional plug-in connector

**Product Numbers** 

Model No.: 205-1100 Two LED Configuration Amber Model No.: 205-4400 Two LED Configuration Red

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6









Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6



Optional plug-in connecto

12

## SIMPLICITY





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#### 2" Round LED Sidemarker / Clearance Liahts –

### **Grommet Mount**

- Operates 9-16 Volt DC Systems
- Single and Multi-LED Configuration
- Size 1.96" L x 1.96" W x .825" D • 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Lens and Housing
- P2 P3 Rated
- Shock and Vibration Proof
- Standard Industry Connector
- Energy Draw 50 Milliamps







#### Clearance Lights – **Grommet Mount**

- Operates 9-16 Volt DC Systems
- Single and Multi-LED Configuration
- Size 2.55" L x 2.55" W x .90" D
- 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Lens and Housing
- P2 P3 Rated
- Shock and Vibration Proof
- Standard Industry Connector
- Energy Draw 50 Milliamps
- Patent Pending



#### Universal LED Fender Lights

- Operates 9-16 Volt DC Systems
- Size: 1.25" L x 1.125" W x 1.375" D
- 2 LED Configuration
- 100,000 Hours of Service Life
- Sealed Polycarbonate Lens and Housing
- Shock and Vibration Proof • Energy Draw 50 Milliamps
- Wire Application Above or Below Fender • 6" Long Wire cover is Marked in 1"
- Increments for Easy Length Modification • Patent Pending

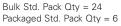
#### 15" Slimline<sup>®</sup> LED Sidemarker / **Clearance Liahts**

• Operates 9-16 Volt DC Systems

- 11 LED Configuration
- Size 15.5" L x 1.60" W x .80" D
- 100,000 Hours of Service Life
- Sealed Polycarbonate Light Bar
- Shock and Vibration Proof
- Energy Draw 250 Milliamps
- P2 P3 Rated
- Mounted Vertical, Horizontal, or 45 Degrees
- Impact Resistant
- Patent Pending

#### **Product Numbers**

Model No.: 210-1100 Amber (1 LED) Model No.: 210-1101 Amber (4 LEDs) Model No.: 210-4400 Red (1 LED) Model No.: 210-4401 Red (4 LEDs) Model No.: 212-1100 Amber (9 LEDs) Model No.: 212-4400 Red (9 LEDs) Model No.: 210-9900 2" Protective Round Grommet Model No.: 210-9902 2-Pin Male Plug-in Connector







**Product Numbers** 

Model No.: 211-1100

Model No.: 211-4400

Model No.: 213-1100

Model No.: 213-4400

Model No.: 211-9900

Model No.: 210-9902

DOT SAE

DOT/SAE APPROVE

Amber/Red

Amber w/ Reflectivity (1 LED)

Amber w/o Reflectivity (13 LEDs)

2 1/2" Protective Round Grommet

Red w/o Reflectivity (13 LEDs)

2-Pin Male Plug-in Connector

Packaged Std. Pack Qty = 6

Bulk Std. Pack Qty = 24

**Product Numbers** 

Model No.: 215-0000

Red w/ Reflectivity (1 LED)

DOT/SAE APPROVED

### 6" Oval LED Sidemarker /

#### Clearance Liaht – Grommet Mount

- Operates 9-16 Volt DC Systems
- 10 LED Configuration
- Size 6.50" L x 2.20" W x 1.00" D
- 100,000 Hours of Service Life
- Sonically Sealed Polycarbonate Lens and Housing
- Sock and Vibration Proof
- Energy Draw 250 Milliamps
- Mounted Vertical, Horizontal, or 45 Degrees
- Impact Resistant





#### 6" Oval LED Sidemarker / *Clearance Light – Surface Mount*

#### • Operates 9-16 Volt DC Systems • 10 LED Configuration

- Size 7.50" L x 3.30" W x .85" D
- 100,000 Hours of Service Life
- Requires 1/2" (.50") Hole
- Sonically Sealed Polycarbonate
- Lens and Housing
- Sock and Vibration Proof
- Energy Draw 250 Milliamps
- Mounted Vertical, Horizontal, or 45 Degrees
- Impact Resistant



#### Optional TK Plug Connector

#### Available Trim Rinas Model No.: 261-9900 Black Trim Ring Model No.: 261-9901 White Trim Ring Model No.: 261-9902 Chrome Trim Ring







\*Photo Courtesy Midsota Trailers

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6DOT SAE

DOT/SAE APPROVED

OT SAE

**Product Numbers** Model No.: 254-1100 Amber

Model No.: 254-1500 Amber/Clear Lens

Bulk Std. Pack Qty = 24 Packaged Std. Pack Oty = 6

#### **Product Numbers**

Model No.: 261-1100 Amber Model No.: 261-1103 Amber w/TK Plug Connector Model No.: 261-1500 Amber / Clear Lens Model No.: 261-1503 Amber / Clear Lens w/TK Plug Connector

Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6







\*Photo Courtesy Car-Mate Trailers

### AWARENESS

### LED IDENTIFICATION LIGHT BARS

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- Shock and Vibration Proof
- No Corrosion
- Sealed Polycarbonate Marker Lights
- Impact Resistant
- Energy Draw 150 Milliamps
- Interchangeability with Most Manufacturers
- 8.50" Mounting Centers
- Required for Trailers, Campers and Trucks Over 80" in Overall Width





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#### 15" 3 - LED Identification Light Bar

- Size 15.00" L x 1.40" W x 1.185" D
- 6 LEDs Total
- ABS Housing

#### **Product Numbers**

- Model No.: 220-1500 Amber with Clear Lens

2 Wire







\*Photo Courtesy of Featherlite Trailers









#### \*Photo Courtesy of Featherlite Trailers









#### Hylite LED Identification Light Bar

- Size 13.56" L x 1.63" W x .75" D
- 3 LED Configuration
- Patent Pending

#### **Product Numbers**

Model No.: 221-1500 Amber with Clear Lens

2 Wire



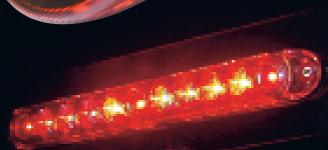


### AWARENESS

### SLIMLINE<sup>®</sup> SERIES

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- Size 15.50" L x 1.60" W x .80" D
- Shock and Vibration Proof
- No Corrosion
- Sealed Marker Lights
- Impact Resistant Polycarbonate Housing
- Energy Draw 250 Milliamps
- Interchangeability with Most Manufacturers
- 14.50" Mounting Centers





Continuous quality control and testing is a key component of the manufacturing process at Innovative Lighting.

### 

### (CARARARARA)

#### 15" SlimLine<sup>®</sup> LED Identification Light Bar

- 3-LED Configuration
- Required for Trailers, Campers and Trucks Over 80" in Overall Width

#### **Product Numbers** Model No.: 251-1100 Amber

Model No.: 251-1500 Amber with Clear Lens Model No.: 251-4400 Red Model No.: 251-4500 Red with Clear Lens

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6 **2 Wire** 



### 

### *15" SlimLine® LED Identification Tri-Bar - 3rd Brake Light Bar*

• 11-LED Configuration

#### **Product Numbers**

Model No.: 252-4400 Red Model No.: 252-4500 Red with Clear Lens

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty =

3 Wire

ID function 3 lights on all lights on

17

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# 15" SlimLine<sup>®</sup> LED Identification Tri-Bar - 3rd Brake - Turn Indicator 11-LED Configuration

Product Numbers Model No.: 253-4400 Red Model No.: 253-4500 Red with Clear Lens

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6

4 Wire

Brake fund all lights on

## INNOVATION



\*Photo Courtesy of Car-Mate Trailers

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\*Photo Courtesy of Extreme Custom Trailers

\*Photo Courtesy of Aluma Trailers

1000





#### **Product Numbers**

Model No.: 280-4400 Red Universal Box Light Used for Left or Right Hand Application Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6

Model No.: 289-4400 Red Universal Box Light Kit Bulk Std. Pack Qty = 1 Packaged Std. Pack Qty = 1









### INNOVATION

### LED OVER 80" TAIL LIGHTS

- Operates 9-16 Volt DC Systems
- Rated @ 100,000 Hours of Service Life
- Sealed Polycarbonate Lens and Housing
- Shock and Vibration Proof
- No Corrosion
- Submersible







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\*Photos Courtesy of EZ Loade

#### LED Strobe Light

#### • Operates 6 to 80 Volt DC Systems

- Size 5.50" Tall x 3.00" Diameter
- Consumes 90% Less Power than Bulbs
- Cool to the Touch, LEDs Generate No Heat
- Two LED Configuration
- 60 Flashes Per Minute
- Shock and Vibration Proof
- 3.375" Mounting Centers
- Patent Pending



#### LED Low-Profile Strobe Light

- Operates 6 to 80 Volt DC Systems
- Size 4.50" Tall x 3.00" Diameter
- Consumes 90% Less Power than Bulbs
- Cool to the Touch, LEDs Generate No Heat
- Two LED Configuration
- 60 Flashes Per Minute
- Shock and Vibration Proof
- 3.375" Mounting Centers
- Patent Pending

#### 3" Diameter Round Stick-On Class "A" Tape Reflectors

- Adheres Permanently to Flat or Curved Surfaces
- Exceeds DOT and SAE Class "A"
- **Reflex Requirements**
- Durable, Impact Resistant
- Bulk Std. Pack Qty = 50



#### LED Over 80" Tail Light

- Energy Draw 350 Milliamps
  Size 3.50" L x 7.50" W x 7.75" D

#### **Product Numbers**

Model No.: 281-4400 Right Hand Light – Fits Under 80" Application, Red, 6 Function 9 LED Configuration

Model No.: 282-4400 Left Hand Light w/ Lic. Illum.-Fits Under 80" Application, Red, 7 Function 12 LED Configuration

Model No.: 285-4400 Right Hand Light – Fits Over 80" Application, Red, 6 Function 9 LED Configuration

Model No.: 286-4400 Left Hand Tail Light w/ Lic. Illum. – Fits Over 80″ Application, Red, 7 Function 12 LED Configuration

#### LED Over 80" Tail Light Kit:

#### Includes 2 Tail Lights & I.D. Light Bar

- Tail Lights 9 LED Configuration
- Energy Draw 350 Milliamps
  Size 3.50" L x 7.50" W x 7.75" D
- Hylite LED Light Bar
- 3 LED Configuration
  Energy Draw 250 Milliamp
- Size 13.5625" L x 1.625" W x .75" D
- Required for Trailers, Campers and Trucks Over 80"

#### **Product Numbers**

#### 3.75" Rectangle Stick-On Class "A" Tape Reflectors

- Adheres Permanently to Flat or Curved Surfaces
- Size 3.75" L x 1.75" W
- Exceeds DOT and SAE Class "A"
- Reflex Requirements
- Durable, Impact Resistant



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- - 810-0400 Red 810-0100 Amber

**Product Numbers** 601-1100 Amber

Bulk Std. Pack Qty = 24 ea.

601-2200 Blue

601-4400 Red

Made in the US



#### 812-0400 Red 812-0100 Amber

Bulk Std. Pack Qty = 50 Packaged Std. Pack Qty = N/A

## REFLECTIONS

**Product Numbers** 

600-1100 Amber 600-2200 Blue 600-4400 Red

Bulk Std. Pack Qtv = 24 ea.





**Product Numbers** 





### VISION

### ALL-ROUND LED STERN LIGHTS

- Operates 12 Volt DC Systems
- For Powerboats Under 20 Meters (65.6 Ft.)
- Single LED Configuration
- 50,000 Hours LED Service Life
- Uses 3 Watts of Energy
- Vibration/Shock Proof
- Sealed Circuitry
- Requires 1 3/4" (1.750") Hole
- Corrosion Resistant Construction
- Durable Stainless Steel Telescopic Pole
- Easily Installed on New and Used Boats
- No Change in Current Switch Required
- Certified Ignition Protected
- IMCI Certified for ISO #8846





Innovative Lighting's LED Navigation Lights are USCG Certified and NMMA Listed.

#### **Powerlight Motorized Stern Light**

• Automated Up/Down Operation • Patent #5304993, 5398026 Model No.: 504-1200 4'Ft. - Chrome Deck Ring

#### Extend-A-Light Manual Stern Light

Easy Pull-up/Down Hand Operation
 Patent #5304993, 5398026

# **REPLACEMENT PARTS**

rentered

#### All-Round LED Pedestal Mount

- Operates 12 Volt DC Systems
- For Powerboats Under 20 Meters (65.6 Ft.)

- For Powerboats Under 20 Meters (65
  Single LED Configuration
  50,000 Hours of Service Life
  Uses 3 Watts of Energy
  Transparent Lens and Frosted Globe
  Shock and Vibration Proof
  Equipped with Stainless Steel Shaft
  Fixed Mounting Base

Model No.: 500-0100 4" LED All-round Pedestal Mount Model No.: 500-0200 8″ LED All-round Pedestal Mount

Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6



### VISION

### TWO-MILE LED

### NAVIGATION LIGHTS

- Operates 9-16 Volt DC Systems
- For Powerboats Under 20 Meters (65.6 Ft.)
- 50,000 Hours of Service Life
- Transparent Lens
- Cool to the Touch
- Stainless Steel Housing
- Hard Wire Leads
- Permanent Snap-On Cover
- Available in 12 & 24 volt
- Patent Pending
- European Approvals Pending



Shown Actual Size

LIGHT SIZING 3.45 "Length (L) 2.6" Width (W) 6



ARREN R. R. R.

#### Two-Mile LED Combination Sidelights Deck Mount

- 6 LED Configuration
- Size 3.45" L x 2.6" W x 1.65" D
- Uses 1 Watt of Energy

Model No.: 550-1100 Enamel Baked White Stainless Steel Model No.: 550-1200 Polished Stainless Steel

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6

### Innovative Lighting's LED Navigation Lights are USCG Certified and NMMA Listed.



#### *Two-Mile LED Sidelights Deck Mount*

- 3 LED Configuration
  Size 3.45" L x 2.6" W x 1.65" D
  Uses 1/2 Watt of Energy

Model No.: 552-1100 Starboard and Port Enamel Baked White Stainless Steel Model No.: 552-1200 Starboard and Port Polished Stainless Steel Packaged Only= 1 Pair

Model No.: 552-2100 Starboard Enamel Baked White Stnless Steel Model No.: 552-3100 Port Enamel Baked White Stainless Steel Model No.: 552-2200 Starboard Polished Stainless Steel Model No.: 552-3200 Port Polished Stainless Steel



#### *Two-Mile LED Sidelights Vertical Mount*

- 3 LED Configuration
  Size 3.375" L x 2.3125" W x 1.5" D
  Uses 1/2 Watt of Energy

# Model No.: 554-1100 Starboard and Port Enamel Baked White Stainless Steel Model No.: 554-1200 Starboard and Port Polished Stainless Steel Packaged Only= 1 Pair

Model No.: 554-2100 Starboard Enamel Baked White Stnless Steel Model No.: 554-3100 Port Enamel Baked White Stainless Steel Model No.: 554-2200 Starboard Polished Stainless Steel

Model No.: 554-3200 Port Polished Stainless Stee

## INTENSE



#### "SETS" Piezo Electronic **Drop In Hidden Horn**

- 12 or 24 volt DC Systems
- For Vessels Under 12 Meters (39.4 Ft.)
- Size 4.345" L x 2.27" W x 2.63" D
- Uses "SETS" Horn Technology
- Draws Less Than 1/2 Amp
- Unit Is Polarity Protected
- Solid State With No Moving Parts
- Built-in Water Evacuation Drainage System
- Requires 2 1/4" Hole
- Mounting Gasket Included
- Patent #6559758B2

#### **Product Numbers**

Model No.: 540-0000 Black Model No.: 540-0100 White Model No.: 540-0700 Cream

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6



Model No.: 540-9900

#### "SETS" Piezo Electronic Hull Mount Horn

- 12 or 24 Volt DC Systems
- For Vessels Under 12 Meters (39.4 Ft.)
- Size 5.34" L x 3.4" W x 3.2" D
- Uses "SETS" Horn Technology
- Draws Less Than 1/2 Amp
- Unit Is Polarity Protected
- Solid State With No Moving Parts
- Built-in Water Evacuation Drainage System
- Requires Jig Saw or Router
- Mounting Gasket Included
- Patent #6559758B2

#### **Product Numbers**

Model No.: 541-0000 Black Model No.: 541-0100 White

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6



Model No.: 541-9900 Optional Stainless Steel Grill Overlay

#### "SETS" Piezo Electronic Deck Mount Horn

- 12 or 24 Volt DC Systems
- For Vessels Under 12 Meters (39.4 Ft.)
- Size 5" L x 3.74" W x 2.50" D
- Uses "SETS" Horn Technology
- Draws Less Than 1/2 Amp
- Unit Is Polarity Protected
- Solid State With No Moving Parts
- Rope Shedding Design
- Forward Facing Presentation
- Mounting Gasket Included
- Patent #6559758B2

### "SETS"

*Synchronous Excitation Transfer System combines* two electronic sound elements into a single canister.

Innovative Lighting's Electronic Horns are USCG Certified and NMMA Listed

#### **Product Numbers** Model No.: 542-0000 Black

Model No.: 542-0100 White

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6

#### Hand Held Electronic Horns - Battery Operated

- Weatherproof
- Solid State Electronics
- Shock Resistant Construction
- Size 7" H X 2.75" W
- Meets United States Coast Guard Requirements
- Requires One 9-Volt Battery (Not Included)
- Patent #D488736





Optional Stainless Steel Grill Overlay

Model No.: 545-2010 Portable Hand Held Electronic Sport Horn with Cradle (Yellow Case)

**THEFT** 

Bulk Std. Pack Qty = N/APackaged Std. Pack Qty = 6

Model No.: 545-5010 Portable Hand Held Electronic Signaling Horn with Cradle (Blue Case)

Bulk Std. Pack Qty = N/A Packaged Std. Pack Qty = 6



Shown with Mounting Cradle



## FIRST-CLASS

INCHOESCENT



#### Marine Portable LED Navigation Lights

- Requires 4 "AA" Batteries (Not Included)
- Molded One Piece White Body Construction
- Shock Resistant Neoprene Accents
- Rated at 100,000 Hours LED Service Life
- Uses 90% Less Energy than Incandescent
- Sealed Heavy Duty On/Off Switch
- Insert Molded Brass Threaded Mounting Bushings
- Removable Lamp Carriage Assembly
- Fully Buoyant
- 1 LED

### **Product Numbers** Model No.: 560-1110 Bow Light w/ Screw On/Off Suction Cup

Model No.: 560-2110 Stern Light w/ Screw On/Off Suction Cup



Waterproof "O" Ring **Sealed Battery Housing** 



### Model No.: 560-1111 Bow Light w/ Universal "C" clamp

Model No.: 560-2113 Stern Light w/ 18" Pole and Universal "C" and "U" clamp



Bow Light w/ 2" Stud Mount Inflatable Base with attached Lanyard and Stainless Steel "D" Ring

Stern Light w/ 2" Stuc Mount Inflatable Base attached Lanyard





#### Marine Portable Navigation Lights

- Requires 4 "AA" Batteries (Not Included)
- Molded One Piece Gray Body Construction
- Shock Resistant Neoprene Accents
- Super-Brite Krypton Lamp
- Sealed Heavy Duty On/Off Switch
- Insert Molded Brass Threaded Mounting Bushings
- Removable Lamp Carriage Assembly
- Fully Buoyant
- 1 Krypton Bulb

#### **Product Numbers**

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12

Model No.: 560-1600 Bow Light w/ Suction Cup

Model No.: 560-2600 Stern Light w/ Suction Cup

Bulk Std. Pack Qty = 24 Packaged Std. Pack Qty = 6



Model No.: 560-1601 Bow w/ Universal "C" clamp

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Model No.: 560-2603 Stern w/ 18" Pole and Universal "C" and "U" clamp







Model No.: 560-1602 Bow Light w/ 2" Stud Mount Inflatable Base with attached Lanyard and Stainless Steel "D" Ring







#### **Replacement Parts**

#### Sonic Welded Lenses



Model No.: 560-9900 Replacement Bow Lens Assembly



Model No.: 560-9901 Replacement Bow Lens Assembly Camo



Model No.: 560-9902 Replacement Stern Lens Assembly



Model No.: 560-9903 Replacement Stern Lens Assembly Camo

#### Aluminum Mounting Brackets



Model No.: 560-9905 Replacement Universal "C" clamp and Mounting Hardware

Model No.: 560-9908 Replacement 18" Pole w/ "U" clamp and Mounting Hardware

#### **Replacement Lamps**



Model No.: 560-9910 LED Lamp Only

Model No.: 560-9912 LED Lamp with Opticial Dispersion Lens (To convert Incandescent to LED)



Model No.: 560-9909 Incandescent Krypton Lamp

#### Suction and Inflatable Mounts



Model No.: 560-9904 Suction Cup Model No.: 560-9906 2" Stud Mount Inflatable Base with attached Lanyard and Stainless Steel "D" Ring

### CRAFTSMANSHIP

### DOCKING / HULL / BACK-UP LIGHTS

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STAINLESS STEEL

- 12-Volt DC Systems
- 50-Watt Halogen Lamp
- Draws 4 Amps Each
- Sealed Built-in Rear Heat Sink
- Thermal Insulated Wires
- Pyrex Optical Lens
- Spring Loaded Lamp Assembly
- Removable Screw On/Off Lens
- Water Tight Gaskets Included
- Patent #D472654

### **Product Numbers** Mirror Polish Finish Model No.: 580-0200 Polished - Pair

- Model No.: 580-9902 Replacement Polished Lens with Gasket
- Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 1

#### Deck / Dock / Shore Station LED Lighting Kit

- 12 Volt DC Systems
- Ideal For Illuminating Deck, Docks, and Walkways
- Low Cost Insurance For Lighted Pathways
- Non-Attracting Bug Amber Colored LED Lights
- Optional Wireless Remote System Available

#### Kit Includes:

- 1 AC/DC Transformer w/60 Ft. Of Attached Wire
- 1 UL-Listed Junction Box
- 4 three LED Step Lights
- 12 single LED Accent Lights
  32 Stainless Steel Screws
- 34 Wire Snap Quick Connects
- 40 Insulated Staples



Packaged: 1 Kit

#### **Dual Function Wireless Remote System**

- 12 Volt DC Systems
- Two Function Remote (up to 5 amps per function) • Operates Up To 75 Feet From Boat / RV / Deck /
- Dock / Walkway
- Custom Applications Available Up To 40 Amps Conformal Coated Circuit Board
- Weather Tight Receiver Can Be Mounted Anywhere
- Re-programmable Transmitter Key Fob Available

LIGHT SIZING



#### **Product Numbers**

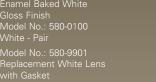
Enamel Baked Black Gloss Finish Model No.: 580-0000 Black - Pair Model No.: 580-9900 Replacement Black Lens with Gasket

**Product Numbers** Gloss Finish Model No.: 580-0100 White - Pair

\*Photo Courtesy of

J.C. Manufacturing Inc.

Sealed Built-in Rear Heat Sink







- F.C.C. Approved #OAVTX315
  - INNOVATIVE USES
  - Boats
  - **Lighted Docks**
  - RV's
  - Lighted Decks
  - **Lighted Walk-Ways**





### REVOLUTIONARY

**Product Numbers** Model No.: 090-1000 Amber LED Lighting Kit Model No.: 090-5000 White LED Lighting Kit

**Product Numbers** 

Model No.: 590-0000 10 Amp Dual Function Wireless Remote System Model No.: 590-9900 Replacement 10 Amp Dual Transmitter Key Fob Bulk Std. Pack Qty = 12 Packaged Std. Pack Qty = 6

## PRESENTATION

Innovative Lighting offers attractive, eye-catching Point-of-Purchase (POP) retail clamshell packaging to better serve our aftermarket network.

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#### LED (Light Emitting Diode) Limited Lifetime Warranty:

Innovative Lighting Corporation (ILC) extends a Limited Lifetime LED Lamp Warranty to the original purchaser that ILC's sealed LED Lamp is free from defects in workmanship and/or materials only. Any product developing such defect in material or workmanship within this period will be repaired or replaced with a like product, at our option (ILC) providing it is sent to us, transportation charges prepaid, along with US\$5.00 to cover the cost of handling. Please note; this is not a repair charge. Proof-of-Purchase date to ILC at our Roland, lowa, factory must accompany return. ILC does not warrant any incandescent electric lamps (bulbs) free against defects and or performance.

The LED LIMITED LIFETIME WARRANTY DOES NOT APPLY TO SEVERE APPLICATIONS such as buses, construction equipment and off-road vehicles. These applications are examples only and are not all inclusive of each exclusive application. Many chemicals and /or cleaners are incompatible with ILC's LED products; therefore, the LED Limited Lifetime Lamp Warranty does not apply to damage associated with incompatible chemicals and cleaners. The ILC LED lamps are to remain intact, free from physical abuse, not subject to improper installation or modification. Any violation of these conditions will void this LED Limited Lifetime Lamp Warranty.

This LED Limited Lifetime Warranty is not transferable and applies to the original installation of the sealed LED lamps for as long as the original consumer/purchaser owns the vehicle/ boat/trailer (LIFETIME).

#### **One Year Limited Product Warranty:**

ILC Limited Product Warranty is ONE (1) YEAR on all other components, including battery lights, extend-a-light and power light products, and trailer lighting products. Any product developing such defect in material or workmanship within this period will be repaired or replaced with a like product, at our option (ILC) providing it is sent to us, transportation charges prepaid, along with US\$5.00 to cover the cost of handling. Please note; this is not a repair charge. Proof-of-Purchase date to ILC at our Roland, lowa, factory must accompany return. ILC does not warrant any incandescent electric lamps (bulbs) free against defects and or performance.

Chrome plated products showing evidence of peeling will be repaired or replaced at ILC's discretion. Chrome showing signs of wear due to debris, rock chips, pitting, etc...will not be covered.

This warranty is void if the product warranted has been damaged by accident or unreasonable use, neglect, improper service or other cause not arising out of defects in material or workmanship.

#### **Five Year Limited Product Warranty:**

ILC Limited Product Warranty is FIVE (5) YEARS on docking lights, horn related products and navigation lights (excluding extend-a-lights and powerlights) and their components. Any product developing such defect in material or workmanship within this period will be repaired or replaced with a like product, at our option (ILC) providing it is sent to us, transportation charges prepaid, along with US\$5.00 to cover the cost of handling. Please note; this is not a repair charge. Proof-of-Purchase date to ILC at our Roland, Iowa, factory must accompany return. ILC does not warrant any incandescent electric lamps (bulbs) free against defects and or performance.

This warranty is void if the product warranted has been damaged by accident or unreasonable use, neglect, improper service or other cause not arising out of defects in material or workmanship.



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## ANSWERS









P.O. Box 366 109 Progressive Avenue Roland, Iowa 50236 **Phone:** 515-388-1011 **Facsimile:** 515-388-5549

Email: sales@InnovativeLight.com Web: InnovativeLight.com Toll Free: 800-949-4888

### Proud Member of the Following Associations:

