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## Whelen L53AP

# Whelen Engineering L53 Super-LED Mini Beacon User Manual

Model: L53AP

## PRODUCT OVERVIEW

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The Whelen L53 Super-LED Mini Beacon, Model L53AP, is a compact and durable warning light designed for various applications. This beacon features advanced Super-LED technology for bright and efficient illumination.

The L53AP is classified as a SAE Class 3 warning light. Class 3 lights are typically used in environments with low ambient sunlight, such as inside buildings or warehouses. A common application for this type of light is on forklifts to enhance visibility and safety.

Key features include:

- Whelen L53AP Amber LED Beacon Permanent Mount
- Designed for optimal visibility in specific indoor or low-light conditions.
- Robust construction for long-lasting performance.



Figure 1: Front view of the Whelen L53 Super-LED Mini Beacon.

## SAFETY INFORMATION

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Always ensure proper installation and adherence to all local and national electrical codes. Disconnect power before installing or servicing the beacon. Do not look directly into the light when it is active, as it may cause eye strain or temporary vision impairment.

This Class 3 beacon is intended for applications where high intensity is not required, such as indoor environments or areas with minimal direct sunlight. Using this light in bright outdoor conditions may reduce its effectiveness as a warning signal.

## INSTALLATION

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The L53AP beacon is available in both permanent mount and magnetic mount versions. This manual primarily covers the permanent mount version as indicated by the model number L53AP, but also provides information on the magnetic mount variant for context.

### Permanent Mount Installation

For permanent mounting, select a flat, stable surface on your vehicle or equipment. Ensure the mounting location allows for clear visibility of the beacon from all necessary angles. The unit typically requires drilling holes for secure attachment.

1. Mark the drilling points using the beacon's base as a template.
2. Drill appropriate pilot holes for the mounting screws.
3. Secure the beacon to the surface using the provided hardware (screws, washers, nuts).
4. Connect the power wires: typically, the black wire is negative (-) and the yellow wire is positive (+). Ensure connections are secure and insulated.



Figure 2: Whelen L53 Beacon with included mounting hardware.

### **Magnetic Mount (Variant Information)**

While the L53AP is a permanent mount model, a magnetic mount version of the L53 series is also available. This version features a strong magnetic base for temporary attachment to metallic surfaces. It typically includes a power cord with a cigarette lighter plug for easy connection to a vehicle's 12V power outlet.



Figure 3: Underside view of the Whelen L53 Beacon, showing the magnetic base (if applicable) and wiring.

The magnetic mount version usually has an integrated on/off switch on the power plug. Note that magnetic mount versions typically have a fixed light pattern and do not offer the 15 different flash patterns available with the permanent mount version.

## OPERATION

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Once properly installed and connected to a 12V DC power source, the Whelen L53 beacon will activate. For permanent mount versions, the flash pattern can be selected from 15 different options, providing versatility for various warning needs. Refer to the specific wiring diagram for pattern selection (not provided in this general manual).

For magnetic mount versions, operation is typically controlled by the on/off switch on the power plug, and the flash pattern is fixed.

The amber LED light provides a clear visual warning, suitable for applications such as:

- Forklifts and other industrial vehicles in warehouses.
- Utility vehicles operating in controlled environments.
- Ground support equipment at airports.



## MAINTENANCE

The Whelen L53 Super-LED Mini Beacon is designed for low maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the lens with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners that could scratch the lens.
- **Connections:** Regularly inspect electrical connections for corrosion or looseness. Ensure all wiring is secure and properly insulated.
- **Mounting:** Check the mounting hardware periodically to ensure the beacon remains securely attached.

## TROUBLESHOOTING

If the beacon is not functioning as expected, consider the following:

- **No Light:**
  - Verify the power source is active (12 Volts DC).
  - Check all electrical connections for proper contact and ensure no wires are loose or damaged.
  - Inspect the fuse in the power circuit (if applicable).
- **Intermittent Operation:**
  - Check for loose wiring or corroded terminals.
  - Ensure the power source is providing consistent voltage.
- **Dim Light:**
  - Clean the lens to remove any accumulated dirt or film.
  - Verify the input voltage is within the specified range (12V DC).

If issues persist after checking these points, contact Whelen Engineering customer support or a qualified technician.

## SPECIFICATIONS

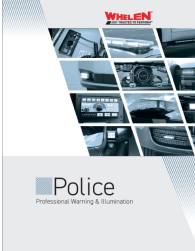

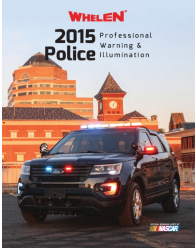


Attribute	Detail
Manufacturer	Whelen
Brand	Whelen
Model Number	L53AP
Item Weight	0.01 ounces
Product Dimensions	5 x 5 x 3.75 inches
Bulb Type	LED
Voltage	12 Volts (DC)
SAE Classification	Class 3
Mounting Type	Permanent Mount (L53AP)

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Whelen Engineering directly. Details regarding specific warranty periods and coverage can typically be found on the manufacturer's official website or by contacting their customer service department.

It is recommended to retain your purchase receipt for warranty claims.

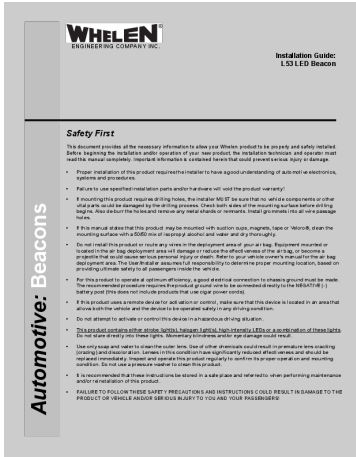
Related Documents - L53AP

	<p><a href="#">Whelen Police Professional Warning &amp; Illumination Catalog</a></p> <p>Explore the Whelen catalog for professional warning and illumination solutions for police vehicles. Discover lightbars, lightheads, sirens, and more, designed for reliability and performance.</p>
	<p><a href="#">Whelen OR36R1N/OR36S1N LED Anti-Collision Light Assembly Installation Guide</a></p> <p>This installation guide provides detailed instructions and specifications for the Whelen OR36R1N and OR36S1N LED Anti-Collision Light Assemblies, including operating instructions, equipment limitations, and airworthiness considerations for aircraft applications.</p>
	<p><a href="#">Whelen 2015 Police Catalog: Professional Warning &amp; Illumination Systems</a></p> <p>Comprehensive catalog of Whelen's 2015 Super-LED lightbars, lightheads, sirens, speakers, flashers, and control systems for law enforcement and emergency vehicles. Features detailed product specifications, technologies, and vehicle compatibility.</p>
	<p><a href="#">Motul Petit Le Mans 2025: Provisional Schedule and Supplementary Regulations</a></p> <p>Official provisional schedule and supplementary regulations for the 2025 Motul Petit Le Mans event at Michelin Raceway Road Atlanta. Details include event timings, series information (IMSA WeatherTech, Michelin Pilot Challenge, Porsche Carrera Cup, Mazda MX-5 Cup, VP Racing), driver requirements, and logistical information.</p>
	<p><a href="#">Whelen WeCanX Remote 8/16 Module Installation Guide</a></p> <p>Installation guide for Whelen WeCanX Remote 8/16 Module (CEM8 and CEM16) covering safety warnings, mounting instructions, and wiring diagrams.</p>

## Whelen 6-Button WeCan Control Head with Slide Switch Installation and Operation Guide

Comprehensive guide for installing and operating the Whelen 6-button WeCan Control Head with Slide Switch, including safety warnings, wiring instructions, and dip switch configurations for various functions.

## Documents - Whelen – L53AP



[\[pdf\]](#) User Manual Installation Guide Guide Warranty Accessories

Whelen Accessory Lighting Installation Guide accessory lights lighting for trucks cars led interior exterior  
halo ring underbody automotive hid strip tube turn signal wiring kit CARiD I53ap installation guide images  
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ENGINEERING COMPANY INC. Installation Guide: L53 LED Beacon Automotive:  
Beacons Safety First This document provides all the necessary information to allow  
your Whelen product to be properly and safely installed. Before beginning the  
installation and/or operation of your new product, the installa...

lang:en score:35 filesize: 262.46 K page\_count: 2 document date: 2018-05-22



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Download Product Guides Fleet Upfitters Emergency Police Vehicle Equipment L51 L53 Series capfleet  
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L51 L53 Series Super-LED Beacons Available in multiple mounting options, L50  
Series beacons are d ... Series L51\*P L51\*M Amber or White, permanent/pipe mount  
Amber or White, magnetic mount L53 Series **L53AP** L53AM Amber, flat mount  
Amber, magnetic mount Replace symbol \* in model number with letter i...  
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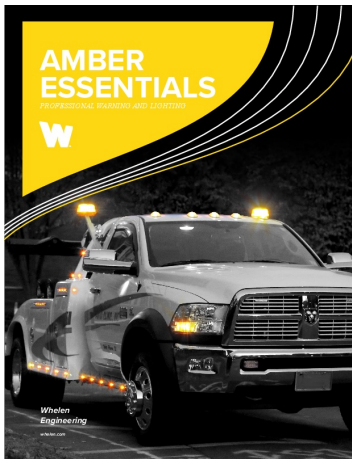


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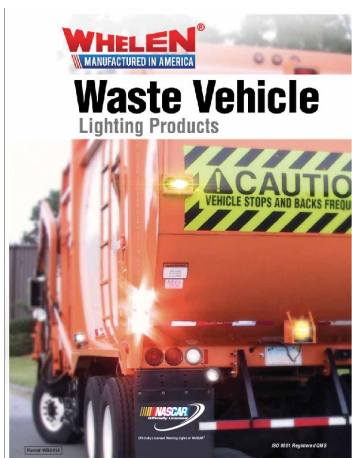


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AMBER ESSENTIALS PROFESSIONAL WARNING AND LIGHTING Whelen Engineering whelen.com Table of Contents ... d electronics Virtually no RFI/EMI radiation MODELS Model L51AP L51AM Mount Permanent Magnetic **L53AP** Permanent L53AM Magnetic Base Polycarbonate Amps 1.5 / peak 0.6 / avg. 0.4 / peak 0.16 / ...

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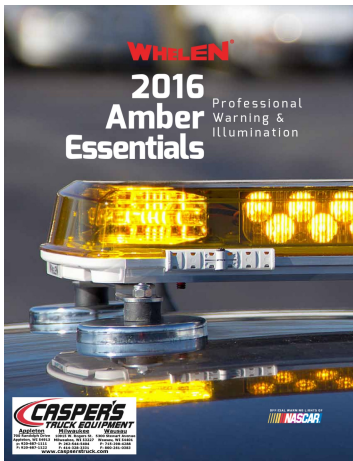
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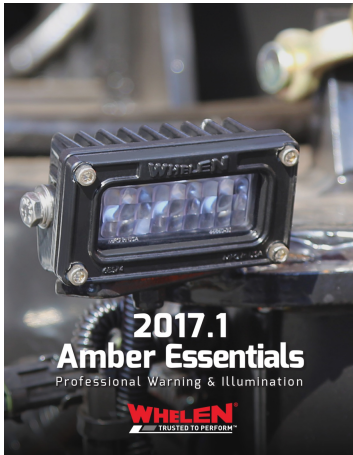


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Whelen Amber Essentials Catalog casperstruck images literature Lights

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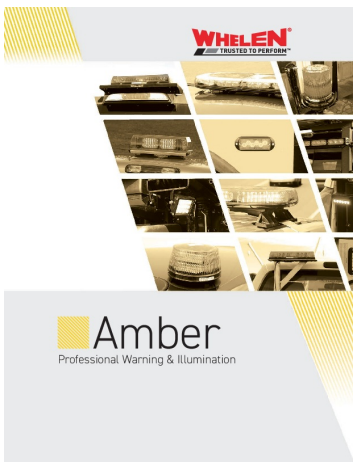


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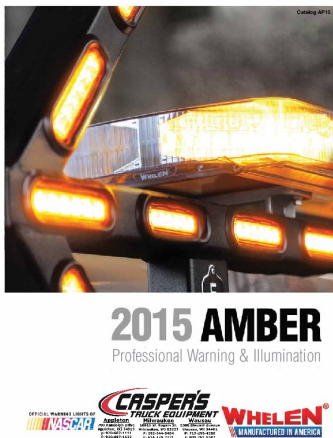


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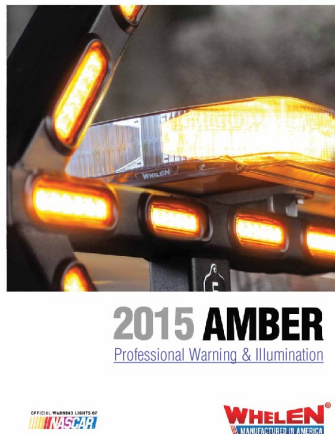
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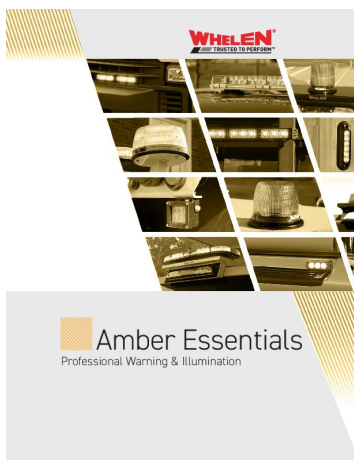
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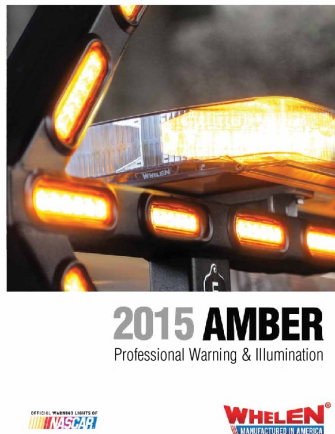
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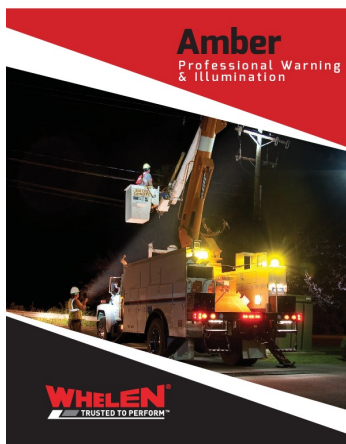
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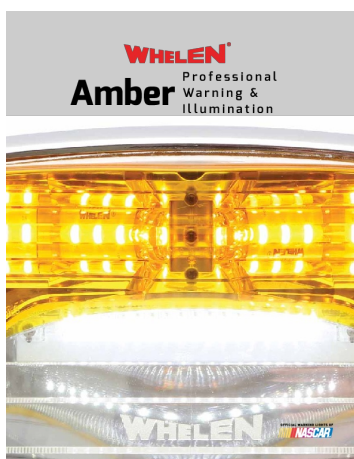
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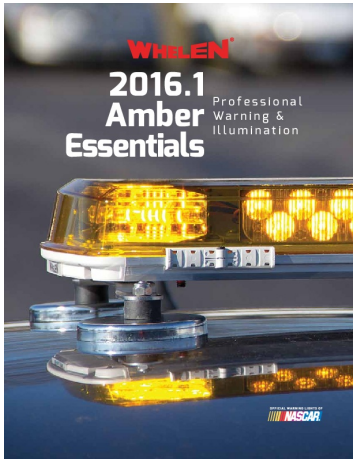
Whelen Amber Vehicle Lighting Solutions SAE Class 1 Certified 100% solid state rotating technology simulates the appearance of a beacon without any moving parts or motors Catalog akequipment net 2018 amber northcentralinc 12 Professional Warning Illumination ®Super LED Hard coated lenses minimize environmental damage from sand sun salt and road chemicals Amber Professional Warning Illumination Amber Catalog Table Of Contents Beacons..... e in Amber and White L51AP L53 available in Amber Five year warranty L51AM Model L51\*P L51\*M **L53AP** L53AM Mount Permanent Magnetic Permanent Magnetic Colors Base Amps Amber or White Amber o... lang:en **score:13** filesize: 8.22 M page\_count: 68 document date: 2018-07-26



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Whelen Amber Full Catalog 2017 Casper s Truck SAE Class 1 Certified Super LED® beacon Medium profile smooth polycarbonate outer dome Hard coated lenses minimize environmental damage from sand casperstruck images literature Lights Professional Warning Illumination 5 Replacement Dome 68 2986501 \*0 \* Use for 3 Clear L41 Series Meets FAA Advisory Circular No AC 150 5210 5D Amber P r o f e s s i o n a l Warning Illumination Amber Catalog Table Of Contents Beacons 3-8 ... ble in Amber and White L53 available in Amber Five year warranty L51AP L51AM Model L51\*P L51\*M **L53AP** L53AM Mount Permanent Magnetic Permanent Magnetic Colors Base Amps Amber or White Amber o... lang:en **score:13** filesize: 7.68 M page\_count: 68 document date: 2017-01-11



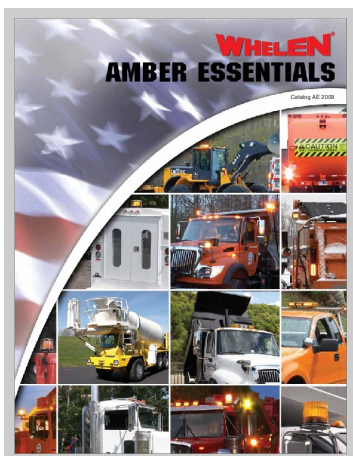


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2016 A K Equipment 1 Amber Essentials 8 Super LED ® Lighthead SAE Class Certified Fully encapsulated for moisture vibration and corrosion resistance Hard coated lenses minimize environmental Meets FAA Advisory Circular No AC 150 5210 5D Medium profile smooth polycarbonate outer dome Catalog akequipment net

2016.1 Amber Professional Warning Essentials Illumination 2016 Amber Essential ... erns Encapsulated L51AP L51AM Permanent Magnetic 1.5 / peak 0.6 / avg. 15 Flash patterns Yes **L53AP** L53AM Polycarbonate 12 Permanent 0.4 / peak 75 SignalAlert™ Magnetic 0.16 / avg. 15 F...

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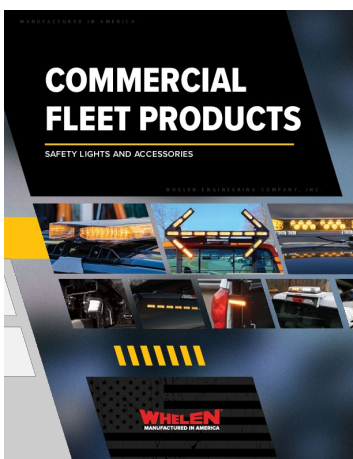


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Catalog AE 2009 Electronic Back-Up Alarms Features: N Meets OSHA, Bureau of Mines, all State regul ... R = Red, B = Blue, G = Green Model No. 1502\* 1502M\* 1510\* 1510M\* Technology strobe L51AP L52AP **L53AP** L53AM Super-LED Mount permanent magnetic permanent magnetic permanent permanent permanent ma...

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MANUFACTURED IN AMERICA COMMERCIAL FLEET PRODUCTS SAFETY LIGHTS AND ACCESSORIES WHELEN ENGINEERING C ... magnetic mount Virtually no RFI/EMI radiation Polycarbonate base L51AM L51AP Model L51\*P L51\*M **L53AP** L53AM Mount Permanent Magnetic Permanent Magnetic Encapsulated LED Color Amps Yes Amber or...

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Amber Professional Warning Illumination Amber Catalog Table Of Contents

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AUTOMOTIVE LIST PRICE No. PL13.0WL EFFECTIVE: December 18, 2012 VOID:

June 30, 2013 Order Anytime ... s 2, Amber or White, Perm/Pipe Mount 208.00

L52\*M Class 2, Amber or White, Magnet Mount 225.00 **L53AP** Class 3, Amber, Flat

Mount, Single LED Beacon, Scan-Lock™ Flash Patterns including Steady- ...

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