

# Laser Line Projector

Manual 2025



## Introduction

Thank you for purchasing the Laser Line projector from AccuformNMC. This projector is designed to provide a bright and highly visible line for hazard awareness and a wide range of other industrial and commercial applications. This manual contains complete instructions on how to set up and operate your Laser Line projector, descriptions of all features, and some troubleshooting tips. If after reading this manual you still have questions about the safe and proper operation of your projector, please contact us and we would be happy to assist you. Our contact information is listed at the bottom of this page.

## Safety Information

- **Do not look directly into the light source; it is extremely bright and may cause vision damage!**
- Place the AccuformNMC -Laser Line projector in a location that has good air flow. For best heat dispersion, install on a metal beam. Keep flammable materials away from the projector (minimum distance to flammable material is 1 foot / 30 cm).
- Always disconnect the projector from power before performing any service on the unit.
- Projectors should be installed and maintained only by qualified personnel with experience in lighting equipment and general electrical experience.
- When suspending the projector above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
- Use the safety cable to secure the projector in addition to the primary mounting bracket.

### Electrical Safety

- Disconnect the projector from power before handling.
- Use only a power source that complies with local building and electrical codes and which has both overload and ground-fault protection.
- Do not use the projector if the power cable or power plug is in any way damaged, defective or wet, or if they show signs of overheating.

## Unpacking and Inspection

Unexpected things can occur during shipping, so it is important to inspect and test your product as soon as it arrives. Claims for shipping damage must be made within 7 days of receipt. Beyond this time, any damage to the product will be considered to have occurred while it was in your possession, which may void your warranty.

### 1. Inspect the shipping carton:

Look for obvious signs of damage or exposure to moisture. If either are present, contact AccuformNMC immediately for instructions on how to proceed. In the unlikely event that the product is damaged this information may be important for filing a claim with the carrier.

### 2. Unpack the Laser Line projector

Carefully remove the laser from the box and inspect it for any physical damage which may have occurred during shipping, then do the same for the power supply, if included. If any physical damage or moisture is present, contact AccuformNMC immediately to report it.

### 3. Check the contents of the shipment against the packing list

Every projector includes a power supply. If you ordered multiple products, check the packing list and make sure that all of the listed items are present. If everything is included and there is no evident damage, proceed through this manual for instructions on how to set up and install your Laser Line projector. If there is any discrepancy please contact AccuformNMC immediately.

## Setup and Operation

### Installation

To install the AccuformNMC -Laser Line projector to your mounting surface using hardware designed for that type of mounting surface (optional magnetic mount accessory for metal beams, drywall anchors for drywall without a stud, concrete screws for concrete). Once the projector is in place, clear any dust or debris out of the rear heat sink area before powering on the projector.

Finally, be sure to loop the included steel safety cable through the eyelet on the back of the AccuformNMC -Laser Line projector and around the nearest secure object, pipe, or rail. This is to prevent injury in the unlikely event that the primary mount fails. The Laser Line projector does not have a power switch and will turn on as soon as power is connected.

If you purchased the magnetic mount accessory, your mounting bracket will already have the magnets installed. Simply stick the magnets to the desired surface and loop the included steel safety cable around the attachment point to prevent the projector from falling if the magnets fail. The magnets hold with approximately 90 pounds (41 kg) of force.

**CAUTION:** The magnets in the magnetic mount accessory are very powerful! Do not allow the magnets to slam together, as this may damage the magnets and they will be very difficult to separate. **Never put your fingers between the magnets and the mounting surface or other magnets.** The magnets are strong enough to cause serious injury!

**NOTE:** When installing the power supply, do not add cable extensions between the power supply and the light projector.

The length of cable between the power supply and projector should be as short as possible (6 feet maximum, 3 feet or less recommended). Any extensions required to bring power to the projector should be added on the AC side of the power supply.

## Troubleshooting

If you experience trouble with your projector, please check if the symptom is listed in this guide. Many common problems can be solved without requiring a return. If you need further assistance, please contact us. Do not attempt to disassemble or repair your Laser Line projector, as this may void your warranty.

If no light is emitted from the projector, please check the following:

- Whether the electrical source is fully functional.
- Try disconnecting and reconnecting the power supply to the projector.

## Maintenance

AccuformNMC's Laser Line projectors require very little maintenance. Depending on the cleanliness of your environment, maintenance may be required with some regularity, or never at all. Inspect the projector regularly to ensure there is no buildup of debris or dust on the output lens or rear heat sink.

### Cleaning the Output Lens

Depending on the operating environment, it is possible that some dust may accumulate on the output lens of the projector. You can use a can of clean compressed air to try to blow the dust off of the lens or use a soft cloth to wipe away any debris. Do not use alcohol or any other chemicals to clean the lens – doing so may cause irreversible damage to the lens and is not covered under warranty.

NEVER USE tissue paper, paper towel, facial tissues, etc. The wood fibers in these products can damage the coatings on the lens.

NEVER USE cleaning solutions other than those explicitly mentioned here. The lens coatings are delicate and can be damaged by common cleaning products.

NEVER touch the lens or other optics with your fingers as oil from your skin can contaminate and damage the coatings.

Failure to follow these warnings can result in damage to your laser which will not be covered by warranty.

#### 1. Compressed air

You can use a can of clean compressed air to try to blow the dust off of the lens without making physical contact with the lens itself. These are commonly used to clean computer keyboards and can be purchased at any office supply store. They usually have a long tube or nozzle attached to them. Carefully insert this tube a few mm into the aperture of the laser to blow air over the lens. Be careful not to touch the lens with this tube. Hold the can upright or it may produce some liquid which can leave deposits on the lens.

#### 2. Microfiber cloth

If there are deposits on the lens that cannot be removed with compressed air, you can try using a microfiber lens cloth to gently wipe the output lens. Ensure that the microfiber cloth is clean before you use it, since any oil, dirt, or grit may damage the lens. Since the lens is slightly recessed in the housing, you may need to twist the microfiber cloth into a small "finger" in order to get it deep enough into the aperture to make contact. If you still cannot reach the lens with the cloth, you may need to remove the aperture cap from the front of the laser: **Disconnect the power before proceeding.**

#### 3. Microfiber cloth and lens cleaning solution

If a cleaning solution is required use ONLY a specifically-designed lens cleaning solution, (available from camera stores or optics companies). Use a very small amount, and wipe the lens only with a microfiber lens cloth. Do not use any other type of cleaning solution or you may permanently damage the lens. If these steps fail to improve the quality of the beam please contact us for further assistance.

## Technical Information

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<b>Line angles</b>	45° -60° 90° -110°
<b>Line color</b>	Red, green, blue
<b>Line width</b>	10 – 100 mm (0.4" – 4"), depending on distance and model
<b>Line lengths</b>	3 -24 m (10' – 80'), depending on distance and model
<b>Power requirements</b>	110 -230VAC through external power supply, power draw <10W per unit.
<b>Operation</b>	Continuous 24/7 or short-term operation
<b>Life cycle at 25°C/77°F</b>	15.000 - 25.000h, depending on model
<b>Operating temperature</b>	-15°C to +45°C (5°F to +113°F) (optional -30°C / -22°F)
<b>Humidity</b>	Up to 90% non condensing
<b>FDA classification</b>	Class 3 r
<b>Housing material</b>	Aluminum, stainless steel
<b>Dimensions Laser unit</b>	ca. 170 x 120 x 65 mm (6.7" x 4.7" x 2.5")
<b>Connection</b>	Wall type power supply, 110-230VAC, cable length 2m (6.5')
<b>Optional</b>	Extension cable, magnetic mount, optical components



## Notice

Careful and reasonable efforts have been made to ensure the quality and accuracy of this document, but AccuformNMC shall not be liable for errors or omissions contained herein, or for any incidental or consequential damages arising from the use of this document or the product itself. Safety information provided in this document is for reference only and should not be considered an adequate substitute for industry-standard laser safety training. AccuformNMC recommends that the Customer consult with a Certified Laser Safety Officer before using any type of laser device for any application. Failure to heed the recommendations, warnings, and safety information provided herein may result in property damage, serious injury, or death. Please read this entire document before attempting to operate the product, and store these instructions with the product at all times.

## Limited Safety Projector Warranty

AccuformNMC warrants its Safety Projectors to be free from defects in materials and workmanship for a period of five (5) years from the date of original purchase ("Warranty Period"). This warranty extends only to the first end-user purchaser of the product.

### What is Covered:

This warranty covers the repair or replacement of the product, at AccuformNMC's sole discretion, due to defects in materials or workmanship.

This warranty does not cover:

- Normal wear and tear: Including general deterioration resulting from regular use.
- Consumable items: Including elements designed for frequent replacement such as bulbs.
- Damage caused by:
  - Misuse or abuse (e.g., using the product outside of its intended parameters)
  - Neglect or accidents
  - Improper installation or modification
  - Unauthorized repairs
  - Other factors beyond our control

### How to Obtain Warranty Service:

To obtain warranty service, please contact AccuformNMC's customer service department at (800) 237-1001 or [customerservice@accuformnmc.com](mailto:customerservice@accuformnmc.com) during normal business hours. You will be required to provide a copy of your dated proof of purchase and a description of the problem you are experiencing.

### Limitations and Disclaimer:

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ACCUFORMNMC SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR INDIRECT DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE PRODUCT, WHETHER BASED ON CONTRACT, TORT, STRICT LIABILITY, OR ANY OTHER THEORY.

Our sole liability and your exclusive remedy under this warranty shall be limited to the repair or replacement of the Product, at AccuformNMC's sole discretion. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.