



Instruction Manual



Product may not be exactly as shown

VirtuaLine Walkway LED Projector



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Introduction

Thank you for purchasing the Virtualine LED light fixture from Laserglow. This fixture 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 Virtualine LED, 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.

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Section 1: Safety Information

READ THIS FIRST



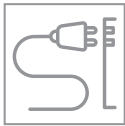
Place the Virtualine LED in a location that has good air flow



Keep flammable materials away from the fixture (minimum distance to flammable material is 1 foot / 30 cm)



Do not look directly into the light source; it is extremely bright and may cause vision damage



Always disconnect the fixture from power before performing any service on the unit

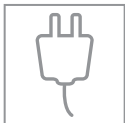


Light fixtures should be installed and maintained only by qualified personnel with experience in lighting equipment and general electrical experience



When suspending the fixture 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 fixture in addition to the primary mounting bracket.

ELECTRICAL SAFETY



Disconnect the fixture 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 fixture if the power cable or power plug is in any way damaged, defective or wet, or if they show signs of overheating

Section 2: Unpacking and Inspection

This product was shipped to you wrapped in bubble wrap in a foam-lined box to protect it from damage during storage and transit. However, 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 Laserglow 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 Virtualine LED and power supply:

Carefully remove the projector 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 Laserglow immediately to report it.



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

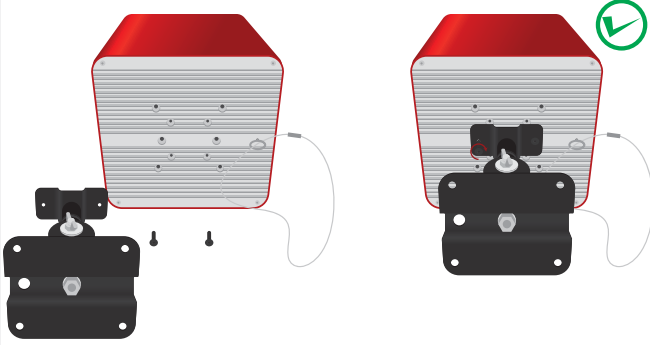
Every fixture¹ includes a mounting bracket² and power supply³. If you ordered multiple products, check the packing list and make sure that all of the listed items are present. If everything is included and there is no evident damage, proceed through this manual for instructions on how to set up and install your Virtualine LED. If there is any discrepancy please contact Laserglow immediately.



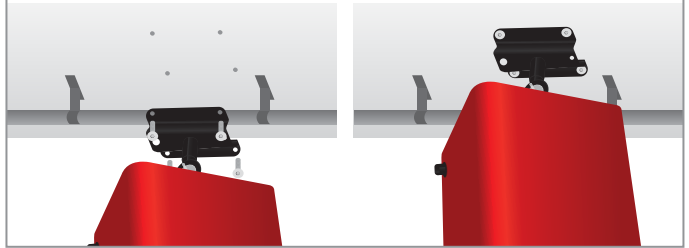
Section 3: Setup and Operation

INSTALLATION

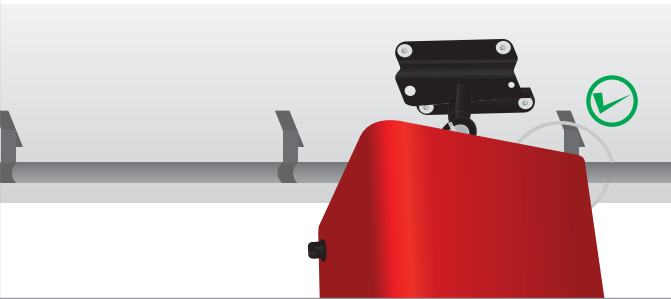
- 1 If you are installing your Virtualine LED for the first time, you may need to first attach the mounting bracket to the rear of the fixture using the included M5 bolts.



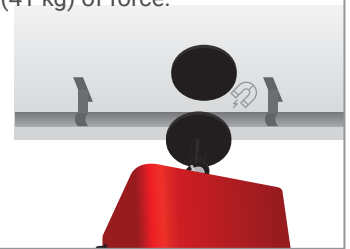
- 2 Then affix the Virtualine LED to your mounting surface using hardware designed for that type of mounting surface (drywall anchors for drywall without a stud, concrete screws for concrete). Once the fixture is in place, clear any dust or debris out of the rear heatsink area before powering on the fixture.



- 3 Finally, be sure to loop the included steel safety cable through the eyelet on the back of the Virtualine LED and around the nearest secure object, pipe, or rail. This is to prevent injury in the unlikely event that the primary mount fails.

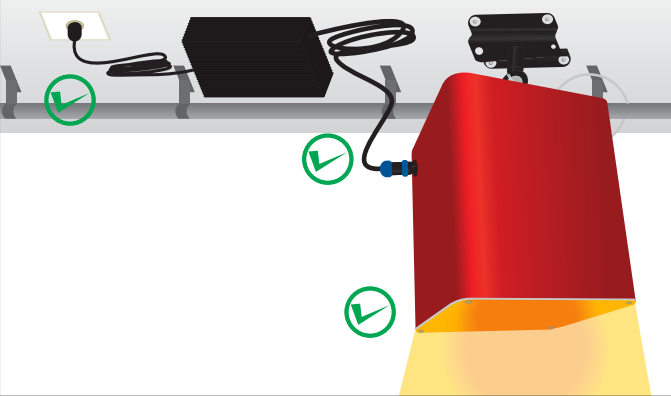


- 4 If you purchased the magnetic mount accessory, your mounting bracket will already have the magnets installed. Simply stick the magnets to the desired surface and loop the included steel safety cable around the attachment point to prevent the fixture from falling if the magnets fail. The magnets hold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

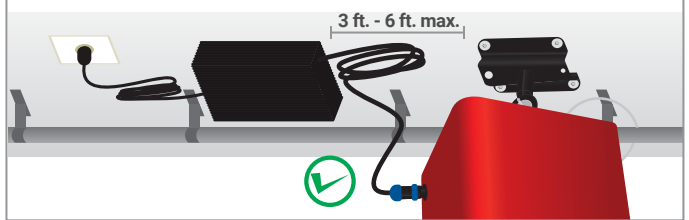


CAUTION: The magnets in the magnetic mount accessory are very powerful! Do not allow the magnets to slam together, as this may damage the magnets and they will be very difficult to separate. NEVER PUT YOUR FINGERS BETWEEN THE MAGNETS AND THE MOUNTING SURFACE OR OTHER MAGNETS. The magnets are strong enough to cause serious injury!

- 5 The projector does not have a power switch and will turn on as soon as power is connected.



NOTE: When installing the power supply, do not add cable extensions between the power supply and the light fixture. The length of cable between the power supply and fixture 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.



Section 4: Troubleshooting

If you are experiencing 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 projector, as this may void your warranty.

Problem	Possible Cause	Solution
No light emitted from fixture.	Power supply is not receiving electricity.	Check the electrical source to ensure that it is turned on.
	Power supply connection loose.	Try disconnecting and reconnecting the power supply to the fixture.



Section 5: Maintenance

Laserglow's Virtualine LED fixtures require very little maintenance. Depending on the cleanliness of your environment, maintenance may be required with some regularity, or never at all. Inspect the fixture regularly to ensure there is no buildup of debris or dust on the output lens or rear heatsink.

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.** Remove the three set screws from the aperture cap and thread the cap all the way off. The output lens should now be exposed, and you can attempt to clean it using the microfiber cloth.



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.



PROJECTED SIGNS

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