

Cariitti VPAC-1527-N211

Cariitti VPAC-1527-N211 Fiber Optic Lighting Set User Manual

Model: VPAC-1527-N211 | Brand: Cariitti

1. INTRODUCTION

The Cariitti VPAC-1527-N211 Fiber Optic Lighting Set is designed to provide effective and atmospheric lighting for small to medium-sized saunas and bathrooms, typically ranging from 4 to 6 square meters. This system utilizes high-quality glass fibers and a robust LED projector to create a pleasant and functional lighting environment.

Thoughtful lighting enhances the overall aesthetic and functionality of a space. This fiber optic lighting can be used to highlight sauna bench contours, illuminate specific details such as a water bowl, or accent glass wall decorations. The system is also suitable for retrofitting into existing structures.

This manual provides essential information for the safe and correct installation, operation, and maintenance of your Cariitti fiber optic lighting set.

2. PACKAGE CONTENTS

The complete Cariitti VPAC-1527-N211 set includes the following components:

- 1x LED Projector (VPAC-1527)
- 1x Fiber Bundle (S-Flex glass fibers)
- Retaining Rings
- 1x Oven Lens



Figure 1: Overview of the Cariitti VPAC-1527-N211 Fiber Optic Lighting Set, including the projector, fiber bundle, and packaging.

Feature	Specification
Country of Origin	Finland



Figure 3: Front view of the VPAC-1527 LED projector, highlighting its robust casing and fiber connection port.



Figure 4: Rear view of the VPAC-1527 LED projector, showing the power input and mounting points.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safety and longevity of your lighting system. It is recommended that installation be performed by a qualified electrician or professional, especially in wet environments like saunas and bathrooms.

4.1 Safety Precautions

- Ensure the main power supply is disconnected before beginning any installation work.
- Adhere to all local electrical codes and regulations.
- Do not modify the components of the lighting set.
- The projector must be installed in a location where it is protected from direct water spray, even though it is IP65 rated.

4.2 Projector Installation

1. The LED projector (VPAC-1527) has an IP65 protection rating, allowing it to be installed in damp environments.
2. It is typically installed under sauna benches or in a technical space where it is accessible for maintenance but protected from direct heat and moisture.
3. Mount the projector securely using appropriate fasteners for the mounting surface. Ensure adequate ventilation around the projector to prevent overheating.
4. Connect the dimmable power supply to the projector and to the main electrical supply according to the wiring diagram provided with the power supply.

4.3 Fiber Optic Cable Installation

1. The glass fibers are heat-resistant up to +180 °C, making them suitable for installation in sauna ceilings.
2. Plan the layout of your lighting points in the sauna or bathroom ceiling.
3. Drill holes of appropriate diameter for the 2mm and 4mm fibers at the desired locations.
4. Insert the individual fibers into the drilled holes. Use the provided retaining rings to secure the fibers in place, ensuring a neat finish.
5. The thicker 4mm fiber is specifically designed for the oven area, providing a more prominent light point. Install the oven lens at the end of this fiber for optimal effect.
6. Gather all fiber ends and insert them into the projector's fiber port. Ensure all fibers are securely seated to maximize light transmission.

5. OPERATION

Once installed, operating the Cariitti VPAC-1527-N211 lighting set is straightforward.

1. **Power On/Off:** The lighting system is controlled via the main power switch connected to the projector's power supply.
2. **Dimming Function:** The included power supply is dimmable. If connected to a compatible dimmer switch (not included), the light intensity can be adjusted to create the desired ambiance. Refer to the dimmer switch's instructions for specific operation.

The LED projector provides a warm white light at 2700K with a high color rendering index (Ra > 90), ensuring natural and pleasant illumination.

6. MAINTENANCE

The Cariitti fiber optic lighting set is designed for minimal maintenance. Regular cleaning and occasional checks will ensure its continued performance.

6.1 Cleaning

- **Fibers:** The exposed ends of the fiber optics can be gently wiped with a soft, dry, or slightly damp cloth to remove dust or residue. Avoid abrasive cleaners.
- **Projector:** Ensure the projector's ventilation fins are free from dust and debris to maintain optimal cooling. Wipe the exterior with a dry cloth. Do not spray water directly onto the projector.

6.2 General Checks

- Periodically check all connections to ensure they remain secure.
- Inspect the fiber optic cables for any signs of damage. While durable, excessive bending or sharp impacts can damage the fibers.
- If any component appears damaged or is not functioning correctly, contact a qualified service technician.

7. TROUBLESHOOTING

If you encounter issues with your Cariitti fiber optic lighting set, refer to the following common troubleshooting steps:

- **No Light Output:**
 - Check if the main power supply to the projector is switched on.

- Verify that the projector is correctly plugged into the power outlet.
- Ensure all fiber ends are securely inserted into the projector's port.
- Check the circuit breaker or fuse for the lighting circuit.
- **Dim or Uneven Light:**
 - Confirm that the dimmer switch (if installed) is set to maximum brightness.
 - Inspect fiber ends for dirt or obstructions and clean them gently.
 - Ensure fibers are fully inserted into the projector.
- **Flickering Light:**
 - Check for loose electrical connections to the projector or dimmer.
 - Ensure the dimmer switch is compatible with LED lighting.

If these steps do not resolve the issue, contact Cariitti customer support or a qualified service technician for further assistance.

8. WARRANTY AND SUPPORT

Cariitti products are manufactured to high standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Cariitti website. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact your local Cariitti dealer or the manufacturer directly. Contact information can typically be found on the product packaging or the official Cariitti website.

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