

Operating instruction for ILLUMINA Cinema Laser

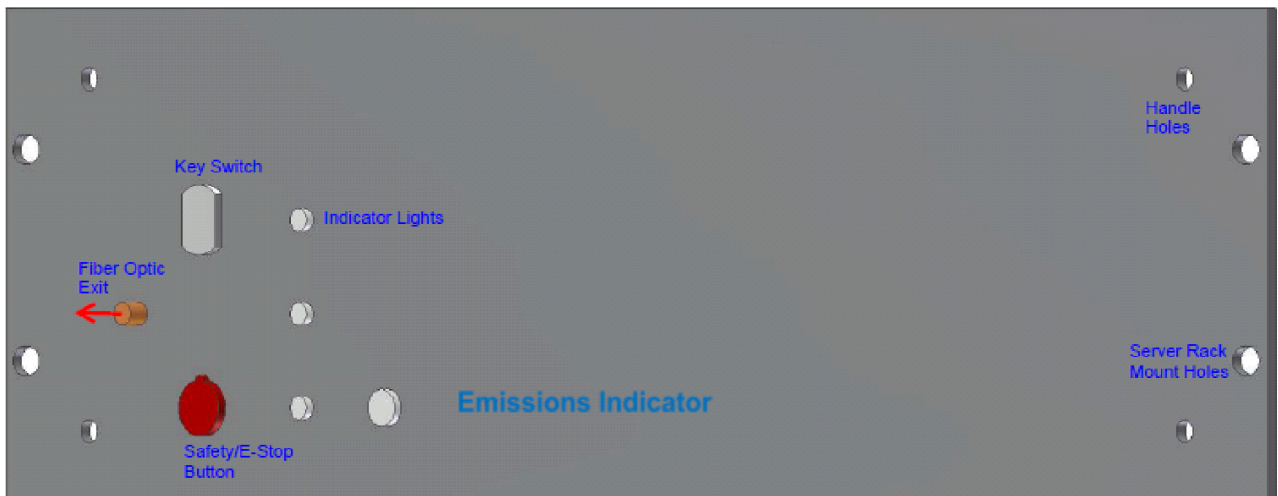
Introduction

The Illumina Cinema Laser is a turnkey light source for Cinema projectors. The Illumina incorporates all safety features required by U.S. and European safety regulations.

Safety features

The Illumina incorporates the following safety features to comply with government regulations.

1. **Power on/off key switch**—Located on the front panel, this switch enables users to power the unit ON with the turn of a key. The ILLUMINA is inoperable when key is removed. The key can not be removed while in the ON position
2. **Manual reset button**—Located on the front panel, this button requires that the user push it to begin lasing. Any time a remote interlock is used or there has been an interruption in power exceeding five seconds, the reset button must be pushed again.
3. **Emission indicator**—This red LED, located in the middle part of the front panel, lights up when the unit is on to warn of imminent laser emission.
4. **5-second activation delay**—The Illumina does not power on until five seconds after a user has turned the key switch to the “ON” position and the reset button is pushed.
5. **Remote interlock & connector**—This feature is located on the rear panel of the Illumina. The unit will not operate without the interlock installed. This plug can be wired to a switch easily.
6. **Beam blocker**—Attached to the front panel, this cap prevents unwanted radiation emissions.



Equipment ratings

The Illumina requires a 120VAC input voltage. The ILLUMINA operates optimally between temperatures of 20°C and 30°C with a maximum relative humidity of 80% for temperatures up to 31°C.

Installation

1. Install the Illumina into an equipment rack using 4 standard rack mounting screws.
2. Plug the ILLUMINA into a grounded outlet. Ensure that the interlock on the back panel is intact and installed. The unit will not operate without the interlock installed.
3. Connect a SMA-905 fiber optic cable to the location on the left of the front panel.



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4. Mount the Illumina with plenty of ventilation area around the chassis. Do not block any of the intake or exhaust locations. Avoid placing objects within 1.5 inches of any ventilation area.
5. Users should leave a minimum of three inches of space to the rear of the ILLUMINA to promote adequate ventilation.

Operation

The ILLUMINA is equipped with a key switch located on the front panel. Customers use the key to activate and deactivate the laser. A 5-second delay will begin after the key switch is turned to the "ON" position. The emissions indicator on the front panel will then light up to warn of imminent laser emission. The laser system will be "off" when the key is in the vertical position.

Caution: Use of controls or adjustment or performance of procedures other than those specified herein may impair the protection provided by the equipment and result in hazardous radiation exposure.

Maintenance & Service

This ILLUMINA contains no user serviceable parts. Depending on environmental conditions, the ventilation slots may require occasional cleaning. Compressed air or vacuum is recommended to clean the vents.

Keep fiber optics clean at all times. Always replace dust caps on male and female connections when a fiber optic is removed.

Warranty

This system features a 1 year warranty.



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