

INSTRUCTION MANUAL

SpectraNova 150SE showcase lighting system



Introduction

SCHOTT SpectraNova fibre-optic lighting systems have been developed especially for displays and showcases in shops. They offer some great advantages, such as cold light, a sparkle effect, and the existence of only one lamp to exchange.

The system has been developed with great care and is highly reliable. As with all high-end systems like this, it should be treated with care and certain-limited-steps of maintenance and cleaning are a prerequisite for good performance.

The following instructions explain simple and effective maintenance cleaning and faultfinding measures essential for the system's operation and warranty.

Note: Failure to perform maintenance cleaning once a month, or any visual abuse or damage voids warranty. Please direct any questions or concerns about maintaining and cleaning your projector to: Gloria Uhler; 877.898.7708 or by email to: guhler@activemetalinc.com

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CLEANING AND MAINTENANCE INSTRUCTIONS

During each lamp change, a simple cleaning operation must be carried out.

PLEASE NOTE: DO NOT TOUCH GLASS WITH FINGERS – use a cloth.

The lamp replacement process and the servicing process are performed as follows:

1. Lamp Removal



- A. Switch off the projector using the main power switch (Rocker Switch)
- B. Allow the projector to cool for at least 15 minutes.



- C. Rotate the locking release knob (interlock) clockwise to the open position.



- D. Pull the lamp cartridge handle and completely slide the lamp cartridge out of the unit.



WARNING: The lamp may still be hot, use a cloth to handle it

PLEASE NOTE: DO NOT TOUCH GLASS WITH FINGERS – use a cloth.

- E. Disconnect the lamp by pulling it from its holder. Discard the lamp in line with local environment regulations.

2. Servicing Process

Each time the lamp is replaced, the projector should be cleaned and visually inspected for any signs of damage. The whole light source replaced if necessary. Clean as follows:



- Use an air duster and cloth as follows;
- A. Wipe away any dust from the air inlet using the dust cloth.

2. Servicing Process, continued



- B. After removing the lamp cartridge blow away any dust from the fan using the air duster and nozzle.



- C. Again, using the air duster and nozzle, blow away any dust on the inside of the reflector.

3. Lamp Replacement



- A. Push the new lamp into its lamp holder in the lamp cartridge.

**DO NOT TOUCH GLASS WITH FINGERS
– use a cloth.**

Ensure that the lamp connects properly with the electrical contacts of the lamp holder and that the lamp holder clips are seated firmly on lamp.



- B. Slide the lamp cartridge back into the projector.



- C. Rotate the locking release knob (Interlock) counter-clockwise, to the locked position. The projector may now be switched on.

4. Inspection of Plastic Plug

After 3 years running, it is important to check the plastic 3-way plug on the lamp cartridge for damage. Some discoloring is to be expected but if this is excessive or damage is seen, the lamp cartridge should be replaced.

TROUBLESHOOTING GUIDE

<i>Problem</i>	<i>Possible Cause</i>	<i>Solutions</i>
Lamp does not light	No electrical power	<ul style="list-style-type: none"> ▪ Check that the mains lead is plugged into the wall socket and that the socket switch is on. ▪ Check that the mains lead is properly connected to the projector. ▪ Check the mains lead for signs of damage and replace if necessary. ▪ Check that the mains rocker switch is in the on position. ▪ Check that the interlock latch is rotated counter clockwise to the locked position.
	The thermal trip has operated	Wait for the temperature to fall, the thermal trip will then automatically reset.
	No lamp fitted	Open the interlock latch, remove the lamp cartridge and check that a lamp is fitted. Fit lamp if required. <i>The lamp glass must not be touched with bare fingers.</i>
	Lamp not correctly seated in lamp holder	Open the interlock latch, remove the lamp cartridge and check that a lamp is correctly seated. Push the lamp firmly into the lamp holder if necessary. <i>Do not touch the lamp glass with bare fingers.</i>
	End of lamp life or faulty lamp	Open the interlock latch, remove the lamp cartridge and replace the lamp. <i>The lamp glass must not be touched with bare fingers.</i>
	Fuse blown	Replace fuse.
	Faulty unit	Call Active Metal Inc.: 419.281.9623 ▪ Fax: 419.282.0058 email: guhler@activemetalinc.com
The lamp turns on and off repeatedly over a period of many minutes.	The projector is over heating	<ul style="list-style-type: none"> ▪ Check that the air inlet or outlet paths on the showcase or cabinet are not blocked in any way. ▪ Check that items have not been placed on or around the projector. ▪ If the air inlet port on the projector is blocked with dust, clean as described in the service instructions. ▪ Check that the projector fan is working by placing your hand in front of the projector air exhaust vent.

NOTE:

If the power supply to the projector is momentarily interrupted when the lamp is hot, it may not re-strike for up to 10 minutes.

