

Illumination

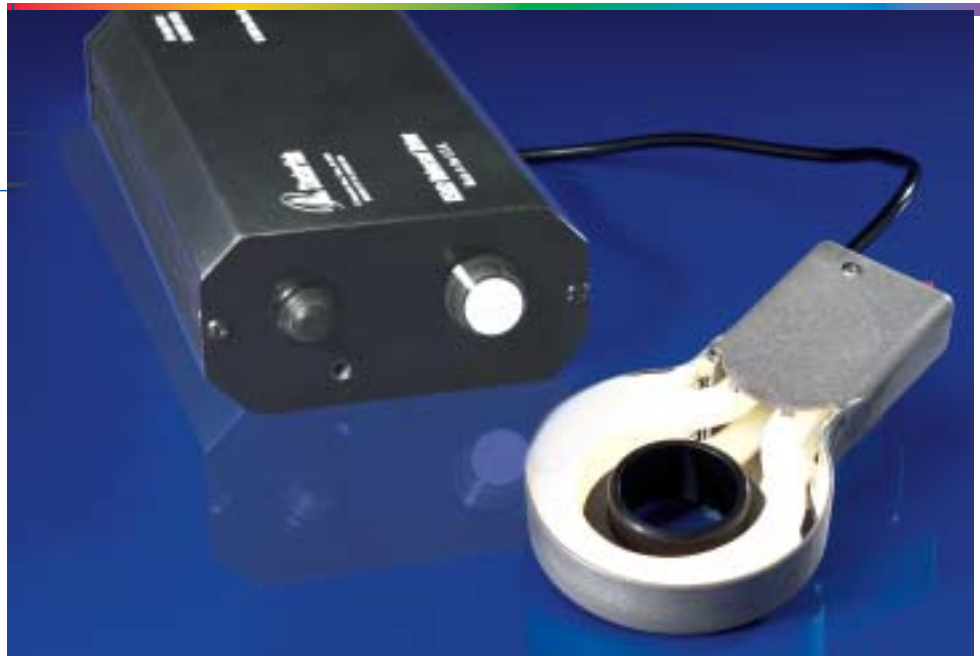
# Steady-Lite™ Model 13*plus* ESD

## Variable Intensity Fluorescent Illuminator

High Frequency (85 kHz) - Lite Miteô Series

### FEATURES:

- ESD safe properties include cable, lamp assembly and lamp treatment
- Uniform, shadow-free illumination
- Variable intensity from 10 to 100%
- 7,000 hours of lamp life
- Wide range of lamp options
- Camera and microscope lens adapters available
- Custom configurations available



StockerYale's Steady-Lite™ Model 13*plus* ESD is a laboratory and industrial grade fluorescent lighting system that provides high frequency illumination with variable intensity control. It is designed to meet the increasingly stringent demands of static sensitive applications such as Magneto-Resistive head assembly and inspection in the semiconductor industry, as well as industrial imaging, microscopy and machine vision. In most applications the unit limits charge build-up to near-zero voltage levels from the driver to the light source.

The Steady-Lite Model 13*plus* ESD circular illuminator provides 360° of uniform, flicker-free illumination on the specimen. The circular head incorporates a polycarbonate housing that stays cool to the touch and does not radiate heat to the illuminated area. Each illuminator is supplied with an adapter to fit virtually any microscope or camera type. Standard lamps are available in various white color temperatures, as well as black light blue (UV).

The Steady-Lite Model 13*plus* ESD driver operates at a high frequency (85 kHz), thus providing flicker-free illumination across the entire dimming range of 10 to 100%. The driver has an integrated T-slot to allow for easy mounting, which enables the user to adapt this unit to most applications.

StockerYale's Steady-Lite Model 13*plus* ESD can be used with a variety of optional accessories including diffusers, mounting brackets and various lamps. Polarizer kits are also available for applications requiring the illumination of reflective materials. The materials and treatments used in this assembly ensure that all surfaces in the immediate working area are completely ESD safe and will maintain their dissipative properties.

## Technical Specifications

Input power:	30 Watts, maximum
Input voltage (AC):	110-220 VAC; 50/60 Hz
Output voltage (DC):	15 VDC at 1.9A, maximum
Operating frequency:	85 kHz
Lamp adjustment range:	10 to 100%
Lamp output power:	13 Watts
Color temperature:	5100K (deluxe daylight)**
Lamp life:	7,000 hours
Operating temperature:	32 to 104°F (0 to 40°C)
Humidity range:	0 to 80%; non-condensing
Lamp cleaning:	Mild soap and water solution (no solvents)

### Lamp Type: Ø3.0" Circular Fluorescent (13 Watt)

973-320E	White 3200K HC* (warm white)
973-420E	White 4200K HC* (cool white)
973-510E	White 5100K (deluxe daylight)**
973-550E	White 5500K HC* (daylight)
973-365E	Black Light Blue, UV (peak wavelength, 365nm)

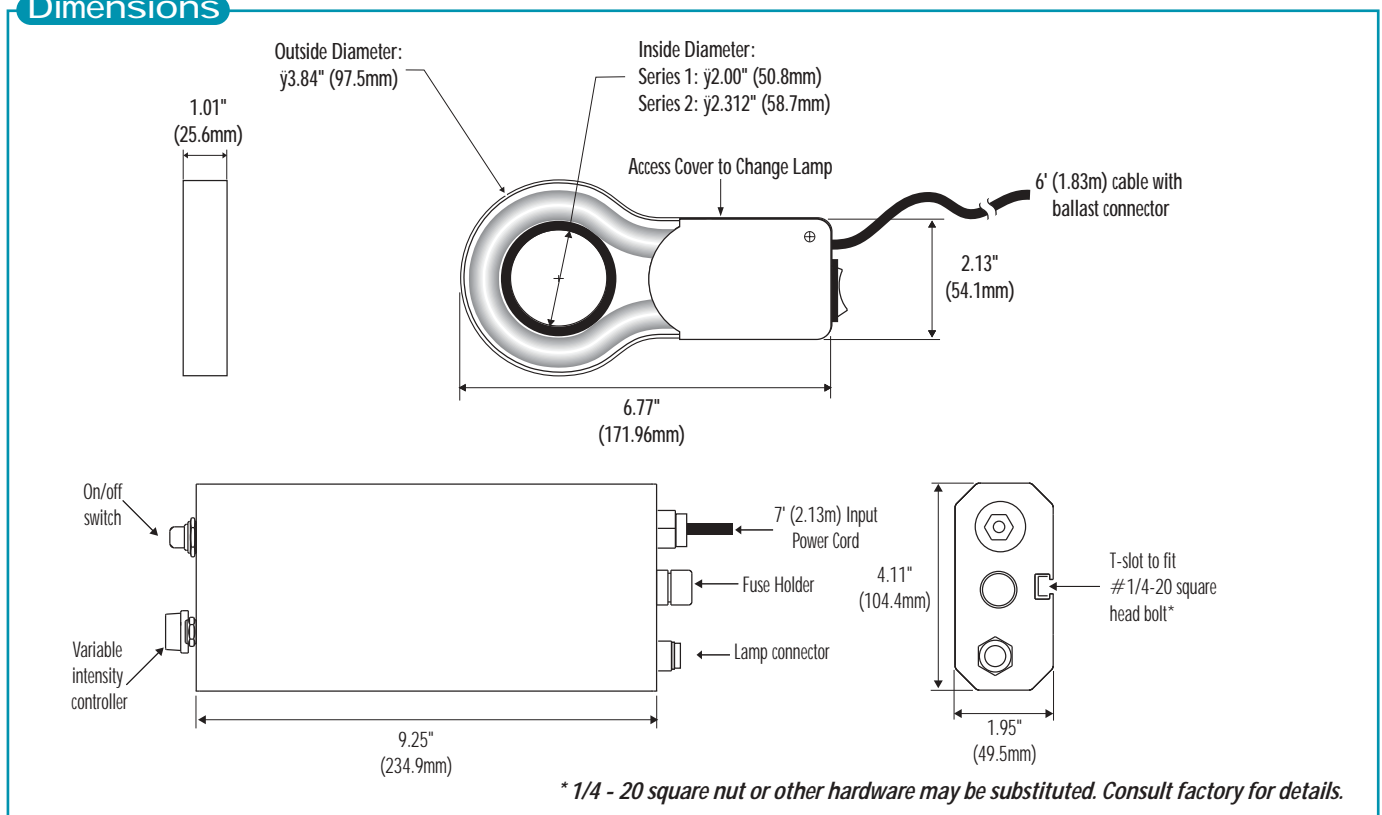
\* HC indicates High Color Rendition

\*\* Standard lamp provided

### ESD Safe Properties:

Part	Surface Resistivity
Lamp fixture	10 <sup>6</sup> ohms
Fixture cabling	10 <sup>9</sup> ohms
Lamp	10 <sup>9</sup> ohms

## Dimensions



StockerYale and the StockerYale logo are trademarks of StockerYale, Inc. All other brand and product names are trademarks or registered trademarks of their respective holders.

Copyright © May 2002 StockerYale, Inc. Printed in the USA  
All rights reserved. FL-005-02