



Illumination

# Model 8 CFVI

## Circular Fluorescent Vision Illuminator

High Frequency (25 kHz)

### FEATURES:

- High frequency, 25 kHz driver for flicker-free illumination
- 6500K deluxe daylight lamp
- 7,000 hours of 360°, shadow-free light
- Rugged, black anodized aluminum housing
- Wide, 4" (101.6mm) bore
- Three adjustable thumbscrews for easy mounting
- Mountable, in-line ballast
- Various lamp options
- Optional polarizers and diffusers available



StockerYale's Model 8 CFVI (Circular Fluorescent Vision Illuminator) is an ideal lighting solution for larger applications requiring localized diffuse illumination. This larger bore, circular illuminator is designed to meet the demands of more industrial type machine vision applications including automotive, pharmaceutical, electronic assembly and food processing.

The Model 8 CFVI lamp assembly is constructed of rugged, black anodized aluminum. This assembly is supplied with a standard deluxe daylight (6500K) circular fluorescent lamp, which offers users a minimum 7,000 hours of high output illumination. The Model 8 CFVI high frequency (25 kHz) driver provides the flicker-free illumination that is required for most industrial imaging applications.

For those particular applications where the color temperature of the standard lamp does not render the desired results, various lamp options are available to meet specific requirements. Black light (UV) lamps, as well as other wavelength specific colors, including red (658nm), green (544nm) and blue (450nm) are among the standard options available. Polarizer filters can also be used to minimize reflections for applications requiring the illumination of reflective material.

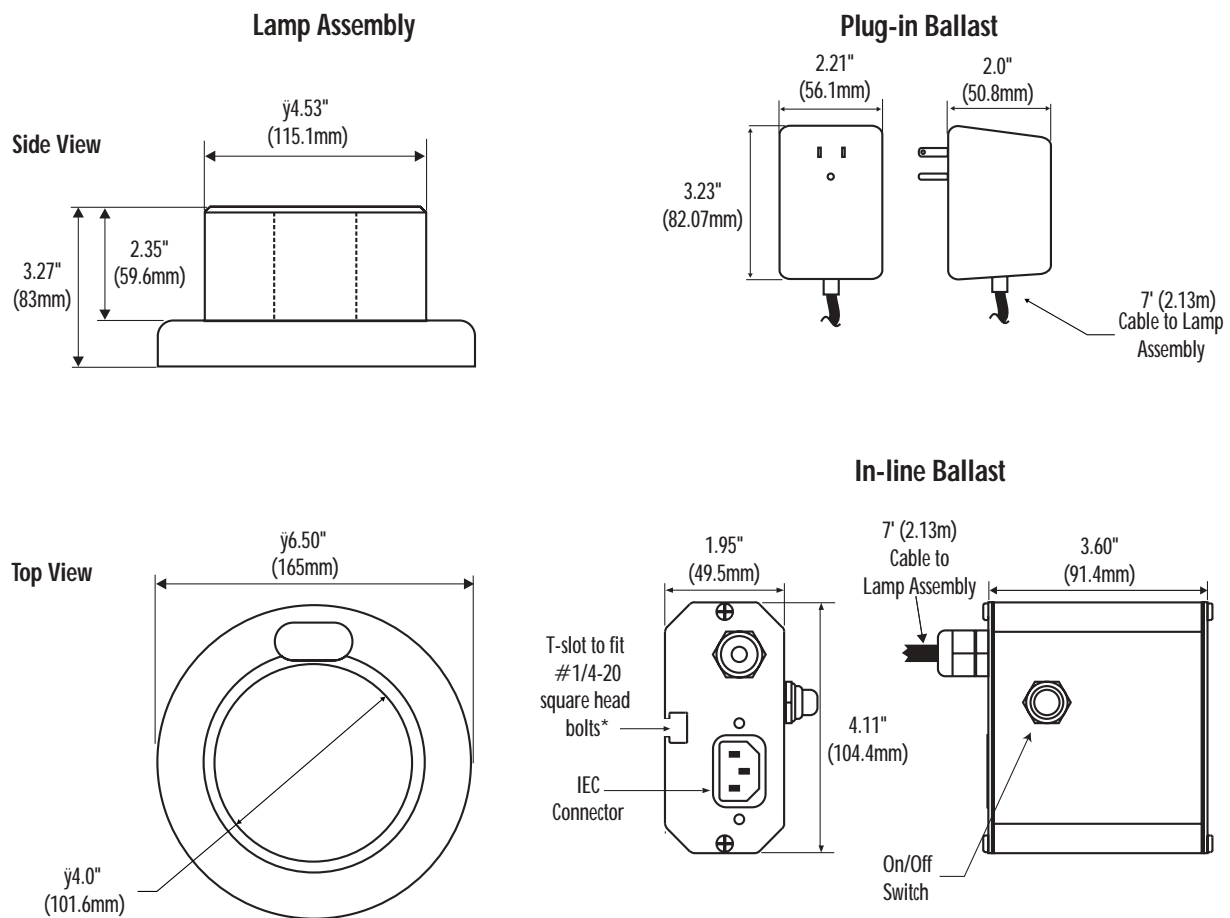
## Technical Specifications

Input power:	17 Watts
Input voltage (AC):	110 VAC; 60 Hz or 220 VAC; 50 Hz
Operating frequency:	25 kHz
Lamp output power:	18 Watts
Color temperature:	6500K (deluxe daylight)*
Lamp life:	7,000 hours
Operating temperature:	-40 to 225°F (-40 to 107°C)
Humidity range:	0 to 80%; non-condensing

Lamp Type:	Ø6" Circular Fluorescent (18 Watt)
978-420	White 4200K (cool white)
978-650	White 6500K (deluxe daylight)*
978-365	Black Light, UV (peak wavelength, 365nm)
978-450	Blue (peak wavelength, 450nm)
978-544	Green (peak wavelength, 544nm)
978-658	Red (peak wavelength, 658nm)

\* Standard lamp provided

## Dimensions



**Note:** In-line ballast is supplied with 8ft. (2.44m) IEC input cable

\* 1/4 - 20 square nut or other hardware may be substituted. Consult factory for details.



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