

ILLUMINATION

Model 4 CFVI

Circular Fluorescent Vision Illuminator

HIGH-FREQUENCY (25 KHZ)

FEATURES:

- True circular, low-profile, rugged housing
- High-frequency, 25 kHz driver for flicker-free illumination
- Uniform, glare-free and shadow-free illumination
- Large bore for "lens-thru" mounting
- High light output and high color rendition
- Versatile mounting options
- 7,000 hours of lamp life



StockerYale's Model 4 CFVI (Circular Fluorescent Vision Illuminator) is a low profile, industrial grade fluorescent lighting system powered by a high-frequency (25 kHz) driver. With its large thru bore, the Model 4 CFVI can accept wider (macro) lenses to provide bright, flicker-free illumination for a variety of needs including imaging, process inspection, assembly, microscopy and a multitude of other machine vision applications.

The Model 4 CFVI incorporates a lightweight spun aluminum housing and is configured with a universal adapter to fit virtually any microscope or lens type. The adapter may be removed for custom mounting using the three threaded inserts located on the top of the assembly. The true circular fluorescent lamp provides 360° of uniform, shadow-free illumination on the targeted area while the compact housing allows this unit to be mounted in places where other "keyhole" type illuminators would normally not fit.

Standard lamps have a $\varnothing 4"$ (101.6mm) outside diameter and are available in a deluxe daylight (5100K), as well as a black light (UV) lamp option. Other wavelength specific colors as well as different white color temperature lamps are also available. (Consult factory for additional information).

TECHNICAL SPECIFICATIONS

Input power:	18 Watts
Input voltage (AC):	120 VAC or 220 VAC, 50/60 Hz
Operating frequency:	25 kHz
Lamp output power:	16 Watts
Color temperature:	5100K (deluxe daylight)**
Lamp life:	Greater than 7,000 hours
Operating temperature:	32 to 104°F (0 to 40°C)
Humidity range:	0 to 80%; non-condensing
Agency approvals :	CE marked; all 220V units (pending)

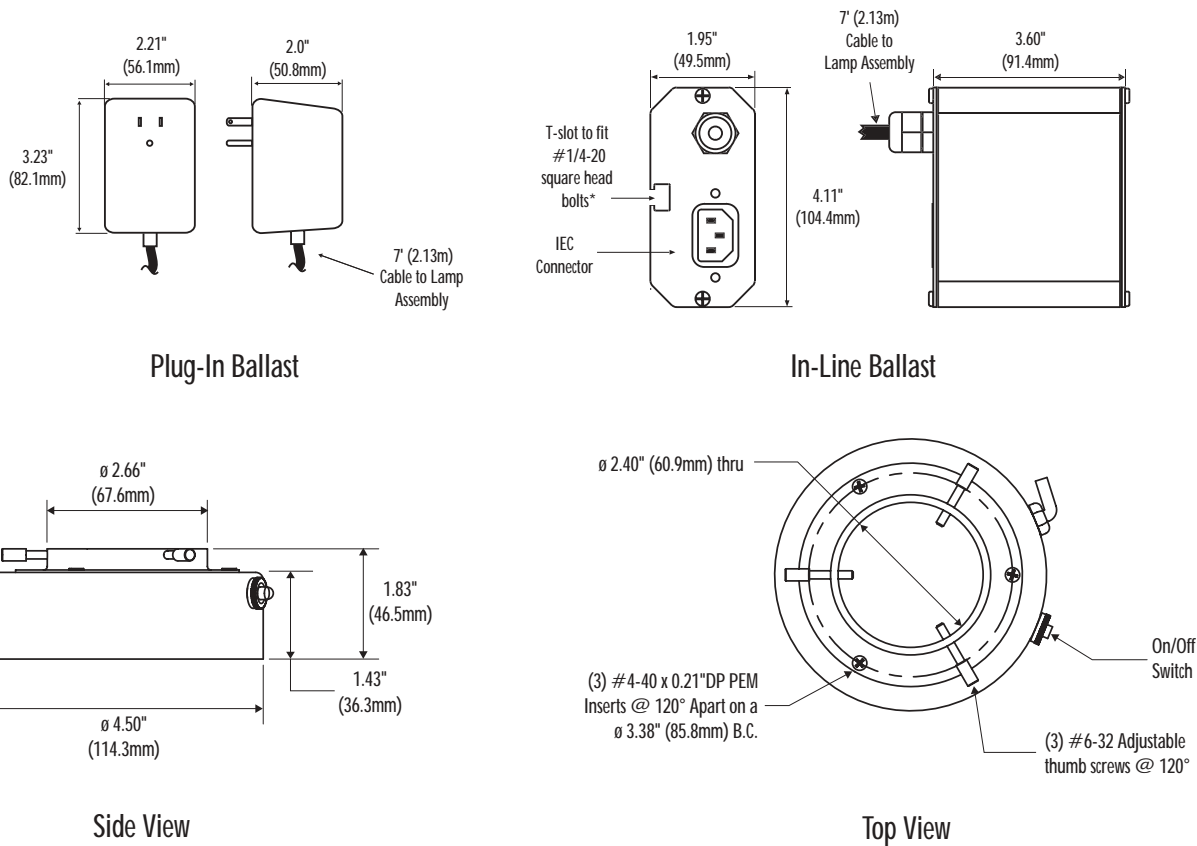
Lamp Type: Ø4" Circular Fluorescent (16 Watt)

904-320	White 3200K HC* (warm white)
904-420	White 4200K HC* (cool white)
904-510	White 5100K (deluxe daylight)**
904-550	White 5500K HC* (daylight)
904-365	Black Light Blue , UV (peak wavelength, 365nm)
904-450	Blue (peak wavelength, 450nm)
904-544	Green (peak wavelength, 544nm)
904-585	Yellow (peak wavelength, 585nm)
904-658	Red (peak wavelength, 658nm)

* HC indicates High Color Rendition

** Standard lamp option

DIMENSIONS



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