

ILLUMINATION

Model 6 CFVI

Circular Fluorescent Vision Illuminator

HIGH-FREQUENCY (25 KHZ)

FEATURES:

- Low-profile, true circular housing
- Large 4" (101.6mm) ID lamp for broad area illumination
- High-frequency, 25 kHz driver for flicker-free illumination
- Uniform, glare-free and shadow-free illumination
- High light output and color rendition
- 7,000 hours of lamp life



StockerYale's Model 6 CFVI (Circular Fluorescent Vision Illuminator) is a low profile, large area industrial grade fluorescent lighting system powered by a high-frequency (25 kHz) driver. The Model 6 CFVI provides 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 6 CFVI incorporates a lightweight spun aluminum housing and is supplied with three threaded inserts on the top of the assembly for customer specific mounting. The true circular fluorescent lamp provides 360° of uniform, shadow-free illumination on the targeted area while the low profile housing allows this unit to be mounted in places where other large area illuminators would normally not fit.

Standard units have a $\varnothing 4"$ (101.6mm) diameter through bore and are available with either deluxe daylight white (5100K) or black light blue (UV) lamps. Other lamp options include wavelength specific colors such as Red (658nm), Blue (450nm), Green (525nm) or Yellow (585nm).

TECHNICAL SPECIFICATIONS

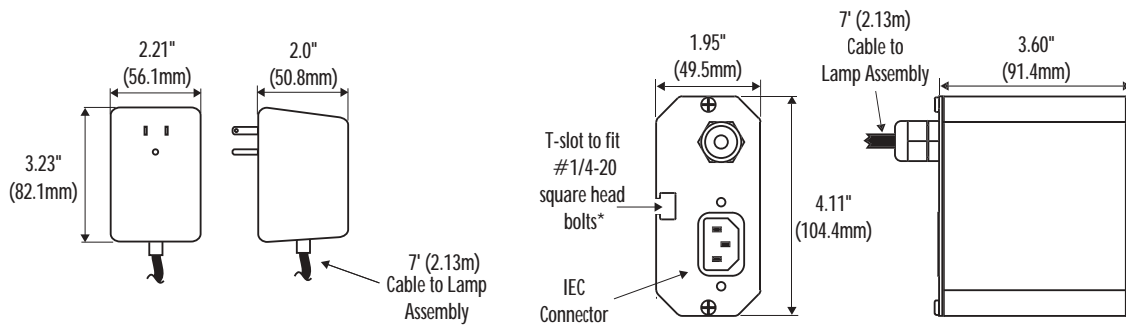
Input power:	19 Watts
Input voltage (AC):	120 VAC or 220 VAC, 50/60 Hz
Operating frequency:	25 kHz
Lamp output power:	17 Watts
Color temperature:	5100K (deluxe daylight)*
Lamp life:	7,000 hours
Operating temperature:	32 to 104°F (0 to 40°C)
Humidity range:	0 to 80%; non-condensing
Agency approvals :	CE marked; all 220V units (pending)

Lamp Type: Ø6" Circular Fluorescent (17 Watt)

906-510	White 5100K (deluxe daylight)*
906-365	Black Light Blue , UV (peak wavelength, 365nm)
906-450	Blue (peak wavelength, 450nm)
906-544	Green (peak wavelength, 544nm)
906-585	Yellow (peak wavelength, 585nm)
906-658	Red (peak wavelength, 658nm)

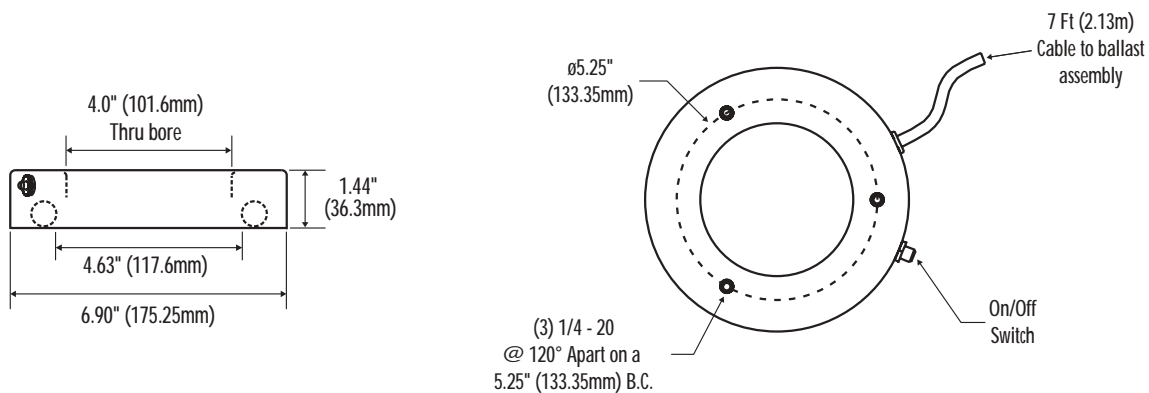
* Standard lamp option

DIMENSIONS



Plug-In Ballast

In-Line Ballast



Side View

Top View



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