

ILLUMINATION

HemiLite™ Model 12 SFVI Spherical Fluorescent Vision Illuminator

HIGH-FREQUENCY (25 KHZ)

FEATURES:

- Diffuse, uniform illumination
- High-frequency (flicker-free) illumination
- Industrial housing design
- 7,000 hours of lamp life
- Versatile mounting options
- Wide range of lamp options
- 4" or 6" diameter



StockerYale's Model 12 HemiLite™ Spherical Fluorescent Vision Illuminator (SFVI) is designed for use in machine vision applications where highly diffuse, uniform illumination is required to detect surface defects on rough and/or specular surfaces. This lamp assembly offers exceptional, flicker-free illumination for applications including pharmaceutical processing, foil inspection and PCB component inspection including BGA.

The HemiLite lamp assembly is available in a 4" (101.6mm) or 6" (152.4mm) diameter diffusing sphere that incorporates an innovative lamp design to provide full hemispherical illumination. This fluorescent illuminator is offered with a rugged aluminum housing for more industrial environments. The housing is designed with integrated mounting options to fit a variety of applications. Standard lamp options include a variety of white color temperatures, black light blue (UV) and wavelength specific colors.

The standard, high-frequency (25 kHz) driver is available as a plug-in style for quick and easy setup, or as an in-line style for applications requiring more versatile mounting configurations such as panel mounting. (All 220V units are supplied with an in-line style driver.)

TECHNICAL SPECIFICATIONS

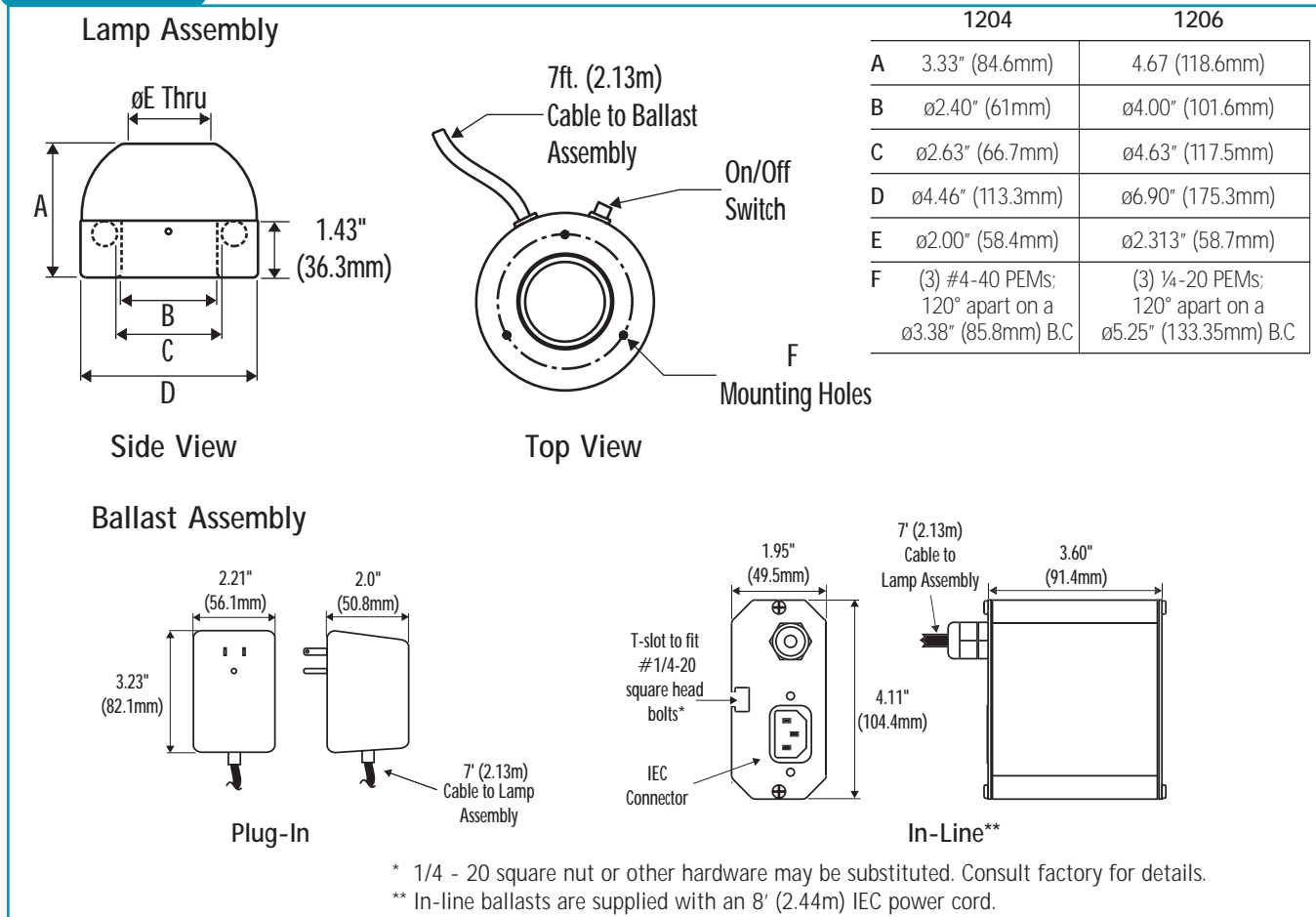
Input power:	ø4" (101.6mm) - 14 Watts ø6" (152.4mm) - 18 Watts
Input voltage (AC):	110 or 220 VAC; 50/60 Hz
Operating frequency:	25 kHz
Lamp output:	ø4" (101.6mm) - 14 Watts ø6" (152.4mm) - 18 Watts
Color temperature:	5100K (deluxe daylight)*
Lamp life:	7,000 hours
Operating temperature:	32 to 104°F (0 to 40°C)
Humidity range:	0 to 80%; non-condensing
Agency approvals:	Pending - CE mark (all 220 VAC units)

LAMP OPTIONS

Description:	1204	1206
White 5100K (deluxe daylight)*	904-510	906-510
Black Light Blue, UV (peak, 365nm)	904-365	906-365
Blue (peak, 450nm)	904-450	906-450
Green (peak, 544nm)	904-544	906-544
Yellow (peak, 585nm)	904-585	906-585
Red (peak, 658nm)	904-658	906-658

* Standard lamp provided.
Consult factory for further details.

DIMENSIONS



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