

Technologica CFImager

Electrical and Mechanical Specifications

Electrical.

Mains input	IEC connector
Voltage	85-264 VAC
Frequency	47-440 Hz
Inrush Current	40A peak maximum
Power Factor	0.99 typical-meets EN61000-3-2
Average Current	2-3A typical
Radiated EMI	See Technologica Manual - CE conformity certification
Fuse	15A internal
Safety and Disposal	Customer Safety Notice TD002/003/E/G WEE registered

Lighting.

Source	Blue Led 470nm -16 thermally stabilised panels
Control	PWM- software control
Calibration	Pre-calibrated and pre-aligned
Irradiance	> 6000 $\mu\text{mol}/\text{m}^2/\text{s}^{-1}$ saturating pulse, 2000 maximum continuous actinic
Accuracy	2% over actinic range 30 to 2000 $\mu\text{mol}/\text{m}^2/\text{s}^{-1}$
Uniformity	5% maximum variation over 126 mm (4.96") x 92mm (3.62") imaged area.

Camera

Pre-calibrated AVT Stingray SXGA+ $\frac{2}{3}$ " CCD progressive scan camera

Calibrated

imaged area

116 cm² (17.98 in²) 126 mm (4.96") x 92mm (3.62")

Imaged area aspect ratio

1.38:1

Software.

Fluorimager[®] Online upgrades available.

Mechanical

Construction	Dutch-Folded light- excluding panels - tubular frame
Finish	Satin black stove enamelled
Ventilation	Axial fan
Sample mounting stage	120mm (4.7") x 170mm (6.7") aluminium with lockable sample location cams for 96 Well Plates or user configured. Mounted on precision 20mm adjustable rack and pinion.
User access	Dutch-Folded 250mm (9.9") x 250mm (9.9") - hinged door
External dimensions	Overall height-580mm (22.8") Width 450mm (17.7") Depth 450mm (17.7")
Internal volume	0.085 m ³ (3ft ³)
Free height above Sample Stage	120mm (4.7") typical
Net weight	20Kg (45lb)

Environmental

Operating temperature	0 to 40°C ambient (32 to 100°F)
Storage temperature	-40 to 70°C (-100°- 160°F)
Operating humidity	5%-95% non-condensing

The design and specification of the described product are subject to change without notice.