

Technologica cflmager

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	See Technologica Customer Safety Notice TD002/003

Lighting.

Source	Blue LED 470 nm peak. 16 TSL100© panels
Control	PWM- software control
Calibration	Software
Irradiance	6000 $\mu\text{mol/ m}^2/\text{s}^{-1}$ saturating pulse
Stability	+/- 2% typical for entire lighting regime
Uniformity	Specified for standard sample stage

Camera.

SXGA+ $\frac{2}{3}$ " CCD progressive scan camera
mounted on precision 20mm adjustable rack and pinion

Software.

Fluorimager Two©

Mechanical

Construction	Dutch-Folded light- excluding panels - tubular frame
Finish	Satin black stove enamelled
Ventilation	Axial fan
Sample Stage	120mm (4.7") x 170mm (6.7") aluminium with location cams for 96 Well Plates or user configured. Mounted on precision 20mm adjustable rack and pinion.
User access	Dutch-Folded 250mm(9.9")x250mm(9.9") x detachable 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)
Height above Sample Stage	120mm (4.7") typical
Net weight	24Kg (53lb)

Environmental

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