

ILLUMINATION

ML Series Cold-Cathode Fluorescent Backlight Panels

HIGH-FREQUENCY

FEATURES:

- White (daylight), uniform backlighting
- High-frequency electronic ballast provides efficient, flicker-free illumination
- Low profile package for use in tight spaces
- Various sizes available
- Ideal for use in a variety of imaging applications ranging from film and paper examination to high-speed inspection
- Features desktop or wall mounting capabilities



StockerYale's fluorescent light panels are versatile backlight panels that provide uniform, flicker-free illumination across a variety of viewing areas. They are an ideal solution in machine vision applications, as well as applications involving film and paper examination, frame grabbing and process inspection. Their low profile enables them to be placed in tight spaces, on assembly lines, or under conveyor belts during in-process inspection.

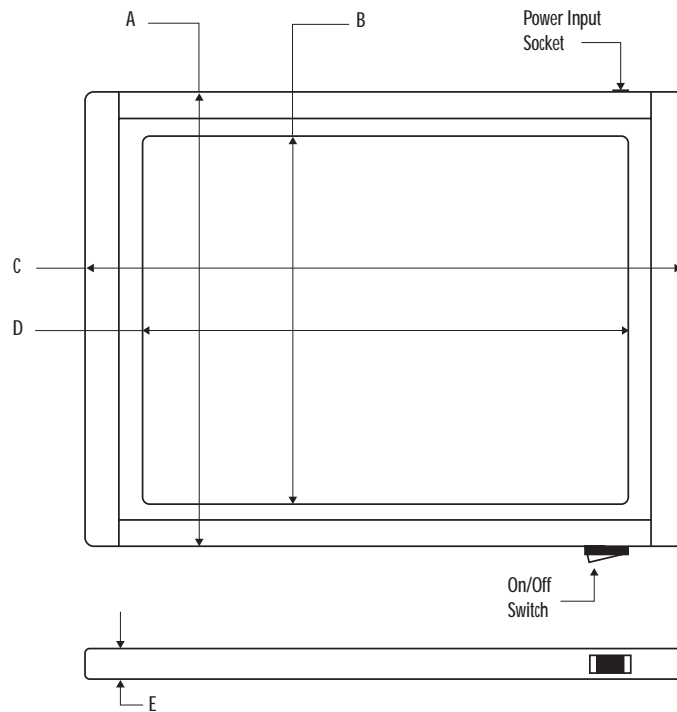
The fluorescent light panels utilize cold cathode lamps that offer high-output, deluxe daylight (5000K) illumination. The fluorescent lamps provide 10,000 hours of uniform lighting across the entire viewing area; either 4" x 5" (100 x 125 mm), 6" x 8" (150 x 200mm) or 8" x 12" (200 x 300m). These lamps are driven by high-frequency electronic ballasts to provide flicker-free illumination that is ideal for a variety of imaging applications, especially where tight space constraints are an issue. These units come complete with a 24 VDC adapter with universal voltage input (90-250VAC).

TECHNICAL SPECIFICATIONS

MODEL NUMBER:	ML-0405	ML-0608	ML-0812
Viewing Aperture:	4" x 5" (100 x 125mm)	6" x 8" (150 x 200mm)	12" x 8" (200 x 300mm)
Overall Dimensions:	5.91" x 6.22" x 0.55" (150 x 158 x 14mm)	7.60" x 9.69" x 0.787" (193 x 246 x 20mm)	14.57" x 10.83" x 0.98" (370 x 275 x 25mm)
Input Power:	4.5W	8.4W	19W
Input Voltage:	90-250 VAC (or 6 AAA batteries)	90-250 VAC	90-250 VAC
AC Adapter:	9 VDC; 500 mA (supplied with IEC cable)	12 VDC; 700 mA (supplied with IEC cable)	12 VDC; 1A (supplied with IEC cable)
Operating Frequency:	25 kHz	25 kHz	25 kHz
Lamp Type*:	Cold Cathode; (2) \varnothing 2.5 x 135mm	Cold Cathode; (2) \varnothing 3.2 x 208mm	Cold Cathode; (2) \varnothing 4 x 320mm
Color Temperature:	5000K \pm 270K	5000K \pm 270K	5000K \pm 270K
Lamp Life:	10,000 hrs	10,000 hrs	10,000 hrs
Operating Temperature:	41-131°F (5-55°C)	41-131°F (5-55°C)	41-131°F (5-55°C)
Weight:	0.57 lbs (0.26 kgs)	1.85 lbs (0.84 kgs)	4.3 lbs (1.95 kgs)

DIMENSIONS

	ML-0405	ML-0608	ML-0812
A	5.91" (150mm)	7.60" (193mm)	10.83" (275mm)
B	4.0" (100mm)	6.0" (150mm)	8.0" (200mm)
C	6.22" (158mm)	9.69" (246mm)	14.57" (370mm)
D	5.0" (125mm)	8.0" (200mm)	12.0" (300mm)
E	0.55" (14mm)	0.787" (20mm)	0.98" (25mm)



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