



## **SLIM-LINE™ FLUORESCENT LIGHT PANELS**

The Slim-Line™ Series Fluorescent Light Panels are versatile back-light panels that provide extremely uniform, flicker-free illumination across the viewing screen. They are an ideal solution where uniform back-lighting is required, especially in machine vision applications. They are also designed to suit a variety of applications including film and paper examination, frame grabbing, and product sample inspection. The low profile of the light panels enable them to be placed in tight spaces on assembly lines or under conveyor belts for in-process inspection. The small package size of the units also makes them ideal for use in presentations and applications requiring portable back-lighting.

The Slim-Line™ Fluorescent Light Panels utilize cold cathode fluorescent lamp technology. This permits the light panels to be powered by low power sources including batteries for portable use on the CL5000P light panel. This technology maximizes the systems efficacy (lumens per watt). They use 10,000 hour long life cold cathode cool-white fluorescent lamps to uniformly illuminate the viewing screen. The lamps are driven with high frequency electronic ballasts to provide flicker-free illumination of the specimen.

The Slim-Line™ Series Fluorescent Light Panels are attractively designed to suit many applications ranging from machine vision inspection to portable use in presentations. The low power cold cathode fluorescent lamp technology makes them the most efficient light panels on the market suiting them for portable or fixed operation. The various design features coupled with the low profile of the light panels make them versatile back-lights that will satisfy many illumination needs.



### **FEATURES:**

**Uniform, cool white back-lighting**

**High frequency electronic ballast powers two cold-cathode fluorescent lamps to provide efficient, flicker-free illumination**

**Low profile package for use in tight spaces.**

**Cold cathode fluorescent technology provides increased system efficacy (Lumens per Watt) and 10,000 hour lamp life**

**Various sizes available including a batter powered unit for portable use**

**Ideal for use in a variety of applications ranging from film and paper examination to inspection system back-lighting**

**Various mountin capabilities including wall-mounting and a desktop angled stand.**

## Slim-Line™ Light Panels

### TECHNICAL INFORMATION:

Model Number:	CL-5000P	CL-5000M	CL-5000L
Color Temperature:	5000K (+270K, -250K)	5000K (+270K, -250K)	5000K (+270K, -250K)
Luminance:	1400 cd/m <sup>2</sup> (±300)	1400 cd/m <sup>2</sup> (±300)	1400 cd/m <sup>2</sup> (±300)
Viewing Area:	4" x 5"	9" x 11.75"	11" x 13.75"
Lamp:	1 2.6mm cold cathode tube	2 2.6mm cold cathode tubes	2 2.6mm cold cathode tubes
Lamp Life:	10,000 Hrs.	10,000 Hrs.	10,000 Hrs.
Power:	(4) 1.5V AAA batteries	AC 12 VAC	AC 12 VAC
AC Adapter:	Included	Included	Included
Dimensions:	4.5" x 7.6" x 0.5"	11" x 13.75" x 0.6"	13.5" x 15.75" x 0.75"
Weight:	0.6 lbs.	2.7 lbs.	4.2 lbs
Input Power:	2.7 W (with AC power)	10 W	12 W
Frequency:	120 kHz	90 kHz	90 kHz

### Vision 1