



FM Series

Industrial LED viewing lamp

## FM Series Technical Parameters

### Product Introduction

The LED Industrial X-Ray Film Viewer FM1000/FM2000/FM2000PRO overcome various defects of traditional fluorescent lamp film viewers, such as low luminance, poor contrast and short lifetime and attenuation fast. The maximum brightness range is between 300000 to 800000 LUX, which is completely in conformity with the requirements of EN25580:1992; ASTM E1390-90 and ISO5580:1995. The portable and sturdy design makes it ideal for working in the wild and mobile environment. The light source adopts high-power LED surface light source, which is your right-hand man for film evaluation.

Working principle: Adopts a constant DC current power supply drive converts electrical energy directly into visible light.

### Characteristics and Performance

1. Ultra-high luminance:  
The luminance of FM1000 is more than  $100000\text{cd/m}^2$  (300000LUX) ;  
The luminance of FM2000 is more than  $170000\text{cd/m}^2$  (500000LUX) ;  
The luminance of FM2000Pro is more than  $300000\text{cd/m}^2$  (800000LUX) .
2. High uniformity: Even if adjust the brightness to the lowest, the lamp surface will not appear any bright spot or dark areas.
3. Long life-time: LED device, Work time>60000hours,10 times longer than the fluorescent lamps.  
Good earthquake resistance, anti-fall, no need to worry about long-distance transportation or wild work.  
※Keep light source operating in the range of 70% of the effective power, and further prolonging lamp life.
4. Unlimited Dimmer for LED: Adopts PWM to finalize 2%-100% wide range unlimited dimmer.
5. Genuine cold-light source, low heat without damage the film, selective of high luminous efficiency LED beads to achieve low-power and high brightness.
6. No warm-up time is required, fast start-up, very suitable for flaw detection and evaluation occasions which need to switch continually.
7. Extremely Low Noise: fine bearing fan, fast speed, fast heat removal to ensure a good working environment.
8. Wireless pedal (optional) to improve the ease of operation, free from wires.

### Technical Parameter



FM1000



FM2000



FM2000 PRO

Main Parameter	FM1000	FM2000	FM2000PRO
Max. Light Intensity	100000 cd/m <sup>2</sup> (300000 LUX)	170000 cd/m <sup>2</sup> (500000 LUX)	300000 cd/m <sup>2</sup> (800000 LUX)
LED Quantity (PC)	140	280	280
Observed blackness	<4.0D	>4.0D	>4.5D
Size of Viewing	200×60mm	220×75mm	220×75mm
Power Requirement	170-250VAC 50/60Hz	100-240VAC 50/60Hz	100-240VAC 50/60Hz
Power Consumption	50W	100W	150W
Dimension	456×142×68mm	456×154×68mm	456×154×68mm
Weight	3.2kg	3.5kg	3.5kg