



## Revolutionary Industrial LED Film Viewer

# FV-2008



- ▶ Super high Luminance
- ▶ High uniformity, energy-saving
- ▶ Environmentally
- ▶ Free lifetime service guarantee

**MAX. L  $\geq$  205,000Cd/m<sup>2</sup>    g  $\geq$  0.9     $\sigma'$   $\geq$  0.95**

### Characteristic:

- Luminance : 205,000Cd/M<sup>2</sup> (643,700Lux)
- Uniformity: 0.9, Diffusion factor:0.95
- Imported LED chip with original packing
- 12 hours continues maximum luminance, Surface temperature rise  $\leq$  18°C
- Unlimited dimmer from 5%-100%
- Rugged aluminum frame
- Over-Temperature warning (check that the power light is red)
- Free lifetime service guarantee

FV-2008 LED Film Viewer is developed according to the Norm of ISO5580 Industrial radiographic illuminators - Minimum requirements. We import LED chip abroad as the light source of viewer unprecedentedly. With its help, you can see tiny cracks on 5.0 density film easily. At the maximum luminance, the film being viewed will not be crimped after 12 hours of continuous working.

FV-2008 LED Film Viewer adopt constant current power which is specially designed to the viewer. With its help, the LED will be protected notably, so the lifetime can be extended. For the sake of safe using, FV-2008 is adjusted in low voltage. By the magnifier and ruler which is mounted on the viewer, you can check tiny cracks conveniently.

### Compares to traditional fluorescence and tungsten lamp

	LED	Fluorescence	Tungsten lamp
<b>Luminance</b>	205,000Cd/M <sup>2</sup>	60,000 Cd/M <sup>2</sup>	100,000Cd/M <sup>2</sup>
<b>Same intensity, generate heat</b>	Low	Medium	High
<b>Life time</b>	50,000 hours	2,000 hours	1,000 hours
<b>Shock resistance</b>	Good	Poor	Poor
<b>Life time influenced by start-up times</b>	Low (approximate none)	High	Medium

**Luminance distribution of the view window (Unit: Cd/m<sup>2</sup>)**

204,000	205,000	205,000	204,000
204,000	205,000	205,000	204,000
204,000	205,000	205,000	204,000



**Spare parts list:**

Description	Quantity
Foot Pedal	1
2A Fuse	1
Screwdriver	1
Instruction (English)	1
Guarantee and report (English)	1
Light mask (150*60mm)	1
Light mask (150*45mm)	1

**Specification:**

Max Luminance: $\geq 204,000 \text{ Cd/M}^2$ (643,700Lux)	Uniformity: $g \geq 0.9$
Diffusion factor: $\sigma' \geq 0.95$	Viewer window: 220*80mm
Surface temp. rise $\leq 18^\circ\text{C}$ After 12 hours continues maximum luminance	POWER: 85-264VAC 47~63Hz. (Full range)
Dimension: 396*209*210mm (L*W*H)	Weight: 5.8kg

**CE Approved**

**LCNDT 鹿成**  
www.Lcndt.net  
ISO 9001 Registered

**PRODUCT CERTIFICATE**

PRODUCT: Industrial LED film viewer  
MODEL: FV-2008  
SERIAL NO.: 802830  
MEASUREMENT BASED ON: EN 25580 / ISO 5580  
MEASUREMENT RESULT: QC Passed

**Testing Report:**  
Maximum Luminance: 204,000Cd/M<sup>2</sup> Uniformity g: 0.95  
Diffusion factor  $\sigma'$ : 0.95 Maximum Reading Density: 4.4H/D

Film Density	ASTM/EN/ISO MIN. Cd/m <sup>2</sup>	TEST MAX. Cd/m <sup>2</sup>
2.21	30	778.93
3.17	10	116.21
4.29	10	13.27
4.87	10	3.5

NOTE: The luminance mentioned in above table is measured light through the film.

INSPECTOR: INSPECTOR 3  
MANAGER: INSPECTOR 1  
Date of Measurement: 2013.12.15

**Lu Cheng NDT Equipment Corp.**  
E-mail: Sales@Lcndt.net (For sales) gm@Lcndt.net (For service)  
Http://www.Lcndt.net  
Phone: 86-577-88293040 Fax: 86-577-88259689

**AGC**  
Attestation of Global Compliance Co., Ltd.  
Lab Address: 2F, No 2 Building, Huaifeng No. 1 Technical Industrial Park, Sanwei, Xixiang, Baoan District, Shenzhen  
Tel: +86-755-2908 1966 Fax: +86-755-2600 8484  
E-mail: agc@agc-cert.com Web: http://www.agc-cert.com

**EC-Certification of Conformity**

Registration No: AGC10050909S208E  
Certificate Holder: Lu Cheng NDT Equipment Corporation  
RM.308 Kang Yuan South Building XinCheng Road, Wenzhou City, Zhejiang Province, P. R. China  
Product Designation: LED industrial film viewer  
Model Name: FV-2008  
Brand Name: LCNDT  
Manufacturer: Lu Cheng NDT Equipment Corporation  
RM.308 Kang Yuan South Building XinCheng Road, Wenzhou City, Zhejiang Province, P. R. China

Requirement	Applied Standards	Document Evidence	Result
LVD Directive	EN 61010-1:2001	Test Report: AGC10050909S208E3	Conform
	EN 55022:2006		
EMC Directive	EN 61000-3-2:2006	Test Report: AGC10050909S208E1	Conform
	EN 61000-3-3:1995 + A1:2001 + A2:2005		
	EN 55024:1998 + A1:2001 + A2:2003		

**CE** LVD EMC  
King Zheng / General Manager  
Issue Date: Sep 26, 2009

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Note: This certificate is part of the full test report(s) and should be used in conjunction with it.