

Revolutionary Industrial LED Film Viewer



FV-2008

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

MAX. L \geq 205,000Cd/m² g \geq 0.9 σ' \geq 0.95

Characteristic:

- Luminance : 205,000Cd/M² (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
Luminance	205,000Cd/M ²	60,000 Cd/M ²	100,000Cd/M ²
Same intensity, generate heat	Low	Medium	High
Life time	50,000 hours	2,000 hours	1,000 hours
Shock resistance	Good	Poor	Poor
Life time influenced by start-up times	Low (approximate none)	High	Medium

Luminance distribution of the view window (Unit: Cd/m²)

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

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/M² Uniformity g: 0.95
 Diffusion factor σ' : 0.95 Maximum Reading Density: 4.4H/D

Film Density	ASTM/EN/ISO	TEST
	MIN. Cd/m ²	MAX. Cd/m ²
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.

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EC-Certification of Conformity

Registration No. AGC10050909S208E
 Certificate Holder Lu Cheng NDT Equipment Corporation
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 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.