

KNDT



ew concept Industrial

Radiographic Film Viewer



KN&I Co., Ltd

A decorative graphic consisting of overlapping colored squares (yellow, red, blue) and a black crosshair.

Main Features

- Meet Code Requirements such as ISO 5580, JIS 4561/3104 and KS B 0845/A 4918
- Maximize film interpretation speed
- Minimize operator fatigue
- Minimize film distortion
- Long life time(Lamp life is long)
- Uniform Brightness

Specifications



Voltage(V)	120/220
Frequency(Hz)	50~60
Size(inch)	23.8(L)×8.8(H)×6.3(W)
Weight(lbs)	21±1
viewing area* (inch)	4.5 × 17

*** Other sizes can such as 3.5" X 12" and 14"X17" can be supplied by special order**

Comparison with traditional illuminator

Traditional illuminator

- Light Source : Fluorescent Lamp(Usually use 2 lamps)
- Light Life : 4,000~8,000hr.(recommended by manufacturer)
- Maximum Luminance at the surface of lamp : 10,000cd/•
- Maximum Luminance at the surface of illuminator : 5,000~8,000 cd/•

LUXA Series(made by KNDT&I)

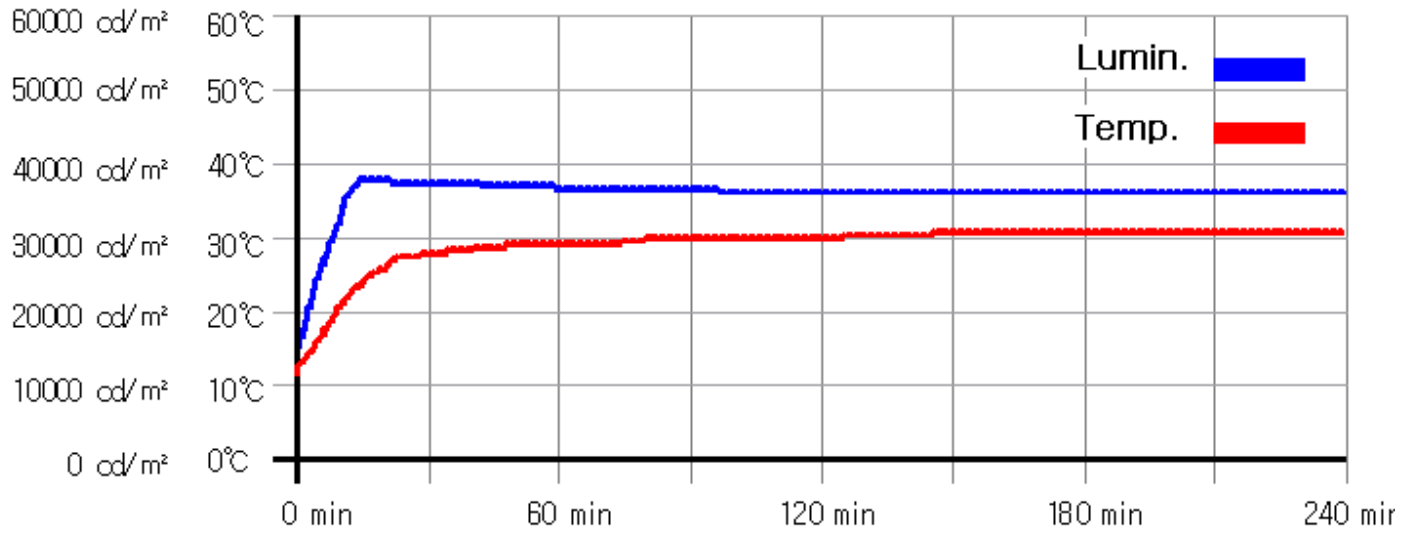
- Light Life :30,000~40,000 hr. (recommended by manufacturer)
- Maximum Luminance at the surface of lamp : 36,000cd/•
- Maximum Luminance at the surface of illuminator : over 30,000 cd/•

Test data of Luxa

Description	Test Result
Luminance	Ma. 50,000 cd/•
Diffusion of Light(σ)	0.97
Uniformity of illumination(g)	0.79
Surface Temperature(•)	30
Film Warp	No Film distortion

LUXA is satisfied with all the requirements specified in ISO 5580

Time vs Luminance, Temperature



Lumin. : Luminance at the surface of illuminator
 Temp. : Temperature at the surface of illuminator

Code Summary (ISO 5580)

Film Density	Minimum Screen Luminance(cd/•)
1.0	300
1.5	1,000
2.0	3,000
2.5	10,000
3.0	10,000
3.5	30,000
4.0	100,000

Code Summary (JIS Z 4561/3104)

Film Density	Minimum Screen Luminance(cd/•)
~ 1.5	300 ~ 3,000
1.5 ~ 2.5	3,000 ~ 10,000
2.5 ~ 3.5	10,000 ~ 30,000
3.5 ~ 4.0	Over 30,000

The requirements of KS B 0845 and KS A 4919 are same as those of JIS



Contact detail

KNDT&i Co.,Ltd

**805Ho 170-5 Woolim E-Biz Center
Guro-Dong Guro-Gu Seoul 152-847 Korea**

TEL : +82 2-852-2223

FAX : +82 2-861-1298

www.kndt.co.kr

sshur@kndt.co.kr