

KOWOLUX LX

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NDT Film viewers for X-ray films

according to ISO 5580, ASTM E1390



For evaluation of large format NDT X-ray films

KOWOLUX LX series LED film viewer for NDT X-ray films

The KOWOLUX LX viewers are designed for high-end NDT X-ray film evaluation. A durable, economically designed housing made of stainless steel contains latest series of PowerLEDs providing magnificent white light over the entire control range. High luminance helps inspection personnel to find discontinuities easily without vision fatigue. A speed controlled cooling fan reduces irritating noise.

KOWOLUX LX 40 / LX 40plus / LX 60 / LX 90

Viewers with terminal strip for fixing the X-ray film and 4-way blind system for adjustment to any film format.

KOWOLUX LX 14X17 / LX 14X17plus

Viewers with spot light in the left top corner for evaluating X-ray films with higher density and an attachable masks system.

Specification:

| | | | |
|---------------------|---------------------------------|--------------------|----------------------------------|
| Housing : | stainless steel | Power supply: | 88 ... 264 V / 47 ... 63 Hz |
| Uniformity factor: | $g > 0.8$ | Screen glass: | thermally cured, transluence 92% |
| Color temperature: | 5,000 K | Divergence factor: | $\sigma' > 0.9$ |
| Brightness control: | 2 - with and without footswitch | Lifetime of LEDs: | > 40,000 h |
| | | Control range: | < 0.5 ... 100% |

KOWOLUX LX 40

| | |
|---------------------|-----------------------------------|
| Viewing area: | 405 x 430 mm |
| Luminance/ Density: | 80,000 cd/m ² / D 3.90 |
| Rated power: | 140 W |
| Dimensions/ Weight: | 700 x 100 x 640 mm / 19.0 kg |

Article No.: 13 40195



KOWOLUX LX 40plus

| | |
|---------------------|------------------------------------|
| Viewing area: | 405 x 430 mm |
| Luminance/ Density: | 100,000 cd/m ² / D 4.00 |
| Rated power: | 160 W |
| Dimensions/ Weight: | 700 x 130 x 640 mm / 24.0 kg |

Article No.: 13 40700



KOWOLUX LX 60

| | |
|---------------------|-----------------------------------|
| Viewing area: | 405 x 605 mm |
| Luminance/ Density: | 80,000 cd/m ² / D 3.90 |
| Rated power: | 200 W |
| Dimensions/ Weight: | 870 x 100 x 640 mm / 24. kg |

Article No.: 13 40197

KOWOLUX LX 90

| | |
|---------------------|-----------------------------------|
| Viewing area: | 405 x 905 mm |
| Luminance/ Density: | 70,000 cd/m ² / D 3.85 |
| Rated power: | 450 W |
| Dimensions: | 1170 x 100 x 640 mm / 30.0 kg |

Article No.: 13 40690

KOWOLUX LX 14X17

| | |
|---------------------|---|
| Rated power: | 200 W |
| Viewing area: | 355 x 430 mm - spot 50 x 50 mm |
| Luminance/ Density: | 70,000 cd/m ² / D 3.80 - spot 160,000 cd/m ² / D 4.20 |
| Dimensions/ Weight: | 700 x 100 x 640 mm / 11.0 kg |

Article No.: 13 40680



KOWOLUX LX 14X17plus

| | |
|---------------------|--|
| Rated power: | 230 W |
| Viewing area: | 355 x 430 mm - spot 50 x 50 mm |
| Luminance/ Density: | 160,000 cd/m ² / D 4.20 - spot 320,000 cd/m ² / D 4.50 |
| Dimensions/ Weight: | 700 x 130 x 640 mm / 15.0 kg |

Article No.: 13 40675

Scope of supply:

KOWOLUX LX Film viewer complete with:

Foot switch, Power supply cable, Stand feet (vertical stand), Wall mounting kit, Test Certificate, Certificate of Conformity - LX 14X17 additionally with mask 14x17 inch

Accessories:

LX Set Up-/ Carrying Device

Article No.: 13 40199

LX 14X17 Attachment mask for films

| | | | |
|--|-----------------------|------------|-----------------------|
| 14x17 inch | Article No.: 13 40681 | 7x17 inch | Article No.: 13 40682 |
| 8x10 inch | Article No.: 13 40683 | 5x 7 inch | Article No.: 13 40684 |
| 12x15 inch | Article No.: 13 40685 | 10x12 inch | Article No.: 13 40686 |
| 7x10 inch | Article No.: 13 40687 | 4x15 inch | Article No.: 13 40688 |
| 14x17 inch with IRIS Ø 4 ... 75 mm at spot | | | Article No.: 13 40689 |

