

KOWOLUX X4

X-Ray Film Viewer with latest POWER-LED Technique

At same luminance of 155,000 cd/m² rated power is only 250 W instead of 2000 W compared to conventional viewers with halogen lamps.

This means energy savings of 1,750 kWh per year or ca. EUR 350.00 (based on 8 hour-shift, 250 working days per year, operating factor 50%) and 70,000 kWh related to total lifetime of LEDs – this means savings of EUR 14,000.00 – calculated on actual energy price level of ca. 0.20 EUR per kWh.

Additionally, taking into account costs for exchange of halogen lamps, difference in initial costs compared to conventional viewers can be saved within ca. 2 years.

Further main advantages are higher contrast on film for defect interpretation because of whiter light, lower heat development (reduced by 85 %), much lower noise level because of temperature controlled cooling fan and no exchange of lamps (lifetime of LEDs is 40,000 h – at full load operation of 8 hours per day it means a lifetime of more than 20 years).



NEW

Technical Data:

KOWOLUX X4

Luminance, max.:	155,000 cd/m ²
Film Density, max.:	4.2 acc. EN 25580 / ISO 5580
Viewing Screen:	225x80 mm for films 10x24 cm
Power Supply:	100...240 V AC / 47...63 Hz
Rated Power:	250 W
Dimensions:	305 x 220 x 205 mm (WxDxH)
Weight:	7.2 kg

POWER-LED

Luminous Flux, nom.:	32 x 245 lm
Power, nom.:	32 x 3 W
Colour Temperature:	5,000 K – white
Lifetime:	40,000 h

Specification:

Housing in stainless steel
Plug-in foot switch – plug screw-secured – operable without foot switch (with optional operation plug)
2 Potentiometer for brightness control
Cross current ventilator with temperature depended speed control – low noise level
Filter in cooling air in-let – changeable from outside
Interchangeable masks for different film sizes – mounting of spare mask on rear panel
Mounting threads in side panels – for mounting loading device for roll films
Mounting threads in bottom panel – for safe fixing of viewer in mobile laboratories