KOWOLUX M

LED Film Viewers
KOWOLUX M Series



Evaluation of X-ray films with highest contrast

DE LOOPER N.D.O.
non destructive testing & inspection equipment

KOWOLUX M Series mobile NDT film viewers with PowerLED

This new series of LED film viewers was specially designed for mobile application and use in mobile labs where besides volume and weight, dust is a matter. Naturally, these viewers are also suitable for daily film viewing in-house as a low-price alternative to the KOWOLUX X models.

Due to very high efficiency of the PowerLED no cooling fan is required. The specially designed housing made of a strong aluminum profile is completely closed and therefore dustproof. Despite its lightweight design, a secure stand of the viewer is granted. The carrying handle can also be used for adjusting the viewing angle.

Specification:	**KOWOLUX M1**	**KOWOLUX M2**
Luminance, max.:	100,000 Cd/m²	100,000 Cd/m²
Film density, max.:	4.0 D	4.0 D
Control range:	0.2 … 100 %	0.2 … 100 %
Viewing screen:	225 x 80 mm (for films 10x24 cm)	450 x 80 mm (for films 10x48 cm)
Rated power:	70 W	140 W
Power supply:	100 … 240 V, 50/60 Hz – 24 V DC, 90 W	100 … 240 V, 50/60 Hz – 24 V DC, 160 W
Dimensions:	325 x 62 x 150 mm	552 x 62 x 150 mm (WxDxH) - without carrying handle
Weight:	2.9 kg plus 0,5 kg power supply	4.5 kg plus 0.8 kg power supply
Lifetime of LEDs:	40,000 h	40,000 h
Color temperature of LEDs:	5,000 K	5,000 K
Housing:	anodized aluminum profile with cooling fins – completely closed to environment with gaskets (IP54)	
Viewing screen:	crystal glass with 95 percent translucency, thermally cured	

Scope of supply:

KOWOLUX M film viewer complete with separate power supply, foot switch, operating switch, test certificate according to ASTM E 1390, ISO 5580, DIN EN 25580 and Certificate of Conformity according to ISO/IEC 17050-1

Viewers and Accessories:

KOWOLUX M1	**13 40400**
M1 Wall mounting kit	13 40401
M1 Transport case	13 40405
M1 Battery pack	13 40407
M1 Car power supply, 12 V	13 40408
Attachment masks for KOWOLUX M1:	
M1 – for films 6x24 cm	13 40412
M1 – for films 10x48 cm	13 40413
M1 – for films 6x48 cm	13 40414
M1 – hole Ø 30 mm	13 40418
M1 – Iris Ø 4 … 75 mm	13 40419
M1 – 30 mm slit	13 40420
KOWOLUX M2	**13 40450**
M2 Wall mounting kit	13 40451
M2 Transport case	13 40455
M2 Battery pack	13 40457
M2 Car power supply, 12 V	13 40458
Attachment masks for KOWOLUX M2:	
M2 – for films 10x40 cm	13 40462
M2 – for films 10x24 cm	13 40463
M2 – for films 7x48 cm	13 40464
M2 – for films 6x48 cm	13 40465
M2 – for films 6x40 cm	13 40466
M2 – for films 6x24 cm	13 40467
M2 – hole Ø 30 mm	13 40468
M2 – Iris Ø 4 … 75 mm	13 40469
M2 – 30 mm slit	13 40470







Made in Germany

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GL ISO 9001
GL Systems Certification