

# KOWOLUX M

## KOWOLUX M series

Mobile NDT film viewers for X-ray films  
according to ISO 5580, ASTM E1390



For evaluation of NDT X-ray films  
with highest contrast

# KOWOLUX M series mobile LED film viewers for NDT X-ray films

The KOWOLUX M viewers are specially designed for mobile application and use in mobile labs where besides volume and weight, dust and humidity are a matter. Of course, these viewers are also suitable for daily film viewing in-house as a low-price alternative to the KOWOLUX X models. Due to the very high efficiency of the used PowerLEDs no cooling fan is required.

The housing made of a strong anodized aluminum profile is completely closed and therefore dustproof. Despite its lightweight design, a secure stand of the viewer is granted and with the carrying handle the viewing angle can be adjusted. Standard film formats can be viewed with no attachable mask due to the contact edge in the housing.

## KOWOLUX M series

Viewers with plug-in foot switch or operating plug-in switch (two way function), film contact edge and an attachable masks system.

### Specification:

Housing :	aluminum profile, anodized	Screen glass:	thermally cured, translucence 95%
Uniformity factor:	$g > 0.8$	Divergence factor:	$\sigma' > 0.9$
Color temperature:	5,000 K	Lifetime of LEDs:	> 40,000 h
Brightness control:	1 - with footswitch and operating plug	Control range:	< 0.2 ... 100%
Power supply:	88 ... 264 V / 47 ... 63 Hz		

### KOWOLUX M1

Article No.: 13 40400

Viewing area:	80 x 225 mm for films 10x24 cm
Luminance/ Density:	160,000 cd/m <sup>2</sup> - D 4.20
Rated power:	70 W
Dimensions/ Weight:	325 x 62 x 150 mm - 2.9 kg + 0.5 kg power supply



### KOWOLUX M1plus

Article No.: 13 40401

Viewing area:	80 x 225 mm for films 10x24 cm
Luminance/ Density:	200,000 cd/m <sup>2</sup> - D 4.30
Rated power:	90 W
Dimensions/ Weight:	325 x 62 x 150 mm - 2.9 kg + 0.5 kg power supply

### KOWOLUX M2

Article No.: 13 40450

Viewing area:	80 x 450 mm for films 10x48 cm
Luminance/ Density:	160,000 cd/m <sup>2</sup> - D 4.20
Rated power:	140 W
Dimensions/ Weight:	552 x 62 x 150 mm - 4.5 kg + 0.8 kg power supply



### Scope of supply:

KOWOLUX M Film viewer complete with:  
Foot switch, Operating plug-in switch  
Power supply unit (separate) and -cable,  
Test Certificate, Certificate of Conformity



### Accessories:

#### KOWOLUX M1

M1 - Wall mounting kit for viewer and power supply	13 40402
M1 - Transport case for viewer and accessories	13 40405
M1 - Battery pack 10 Ah, for 31 / 23 h mobile use	13 40407
M1 - Car power supply, 12 V	13 40408

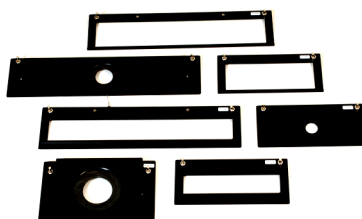
#### KOWOLUX M2

M2 - Wall mounting kit for viewer and power supply	13 40452
M2 - Transport case for viewer and accessories	13 40455
M2 - Battery pack 10 Ah, for 16 h mobile use	13 40457
M2 - Car power supply, 12 V	13 40458



### M1 / M1plus attachable masks:

for films 6x24 cm	13 40412
for films 10x48 cm	13 40413
for films 6x48 cm	13 40414
hole type, Ø 30 mm	13 40418
IRIS lens Ø 4 ... 75 mm	13 40419
slit type, 30 mm	13 40420



### M2 attachable masks:

10x40 cm	13 40462
10x24 cm	13 40463
7x48 cm	13 40464
6x48 cm	13 40465
6x40 cm	13 40466
6x24 cm	13 40467
hole type, Ø 30 mm	13 40468
IRIS lens Ø 4 ... 75 mm	13 40469
slit type, 30 mm	13 40470