

# KOWOLUX M-X-LX

## KOWOLUX M- X- LX NDT Film Viewers

according to DIN EN 25580, ISO 5580, ASTM E1390



High performance Viewers  
for Evaluation of X-ray films

Film viewer	for Films	Screen size	Luminance	Power	Weight	Dimensions	Properties	
Type	cm x cm	mm x mm	Density max	W	kg	mm x mm	Main purpose	
Article number	inch x inch	inch x inch	cd / m <sup>2</sup>	V AC	lbs	inch x inch	Special features	
KOWOLUX M1	10 x 24	80 x 225	D 4.15	70	2.9	325 x 62 x 150	weld seam images	
13 40400	3.9 x 9.5	3.15 x 8.85	150,000	100 - 240	6.4	12.8 x 2.4 x 5.9	water- and dust proof, durable, long life	
KOWOLUX M1plus	10 x 24	80 x 225	D 4.30	90	2.9	325 x 62 x 150	weld seam images	
13 40401	3.9 x 9.5	3.15 x 8.85	200,000	100 - 240	6.4	12.8 x 2.4 x 5.9	water- and dust proof, durable, long life	
KOWOLUX M2	10 x 48	80 x 450	D 4.15	140	4.5	552 x 62 x 150	weld seam images	
13 40450	3.9 x 19.0	3.15 x 17.7	150,000	100 - 240	9.9	21.7 x 2.4 x 5.9	water- and dust proof, durable, long life	
KOWOLUX X3	10 x 48	80 x 450	D 4.50	300	10.2	530 x 220 x 205	weld seam images	
13 40080	3.9 x 19.0	3.15 x 17.7	320,000	88 - 264	22.5	20.9 x 8.7 x 8.1	most durable, attachments, long life	
KOWOLUX X3eco	10 x 48	80 x 450	D 4.30	210	10.1	530 x 220 x 205	weld seam images	
13 40081	3.9 x 19.0	3.15 x 17.7	200,000	88 - 264	22.3	20.9 x 8.7 x 8.1	most durable, attachments, long life	
KOWOLUX X4	10 x 24	80 x 225	D 4.50	150	6.6	305 x 220 x 205	weld seam images	
13 40100	3.9 x 9.5	3.15 x 8.85	320,000	88 - 264	14.6	12.0 x 8.7 x 8.1	most durable, attachments, long life	
KOWOLUX X4eco	10 x 24	80 x 225	D 4.30	110	6.4	305 x 220 x 205	weld seam images	
13 40101	3.9 x 9.5	3.15 x 8.85	200,000	88 - 264	14.2	12.0 x 8.7 x 8.1	most durable, attachments, long life	
KOWOLUX X5	13 x 18	110 x 150	D 4.80	200	6.7	305 x 220 x 205	turbine blade images, high densities	
13 400120	5.1 x 7.1	4.30 x 5.90	630,000	88 - 264	14.8	12.0 x 8.7 x 8.1	most durable, attachments, long life	
KOWOLUX X6	30 x 40	270 x 390	D 4.30	450	25.0	530 x 320 x 440	large format images	
13 40600	11.8 x 15.7	10.60 x 15.35	200,000	88 - 264	55.1	20.9 x 12.6 x 17.3	most durable, attachments, long life	
KOWOLUX X6eco	30 x 40	270 x 390	D 4.10	310	22.0	530 x 320 x 440	large format images	
13 40601	11.8 x 15.7	10.60 x 15.35	130,000	88 - 264	48.5	20.9 x 12.6 x 17.3	most durable, attachments, long life	
KOWOLUX X7	universal	∅ 4 ... 75	D 5.00	110	7.1	305 x 220 x 205	universal, highest densities	
13 40140		∅ 0.15 ... 1.90	1,100,000	88 - 264	15.7	12.0 x 8.7 x 8.1	built-in IRIS lens, attachments, long life	
KOWOLUX X8	universal	∅ 6 ... 113	D 4.80	190	7.5	305 x 220 x 205	universal, high densities	
13 40780		∅ 0.25 ... 4.50	650,000	88 - 264	16.5	12.0 x 8.7 x 8.1	built-in IRIS lens, attachments, long life	
KOWOLUX 14X17	35 x 43	355x 430	D 4.20	500	26.0	530 x 320 x 440	large format images	
13 40650	14.0 x 17.0	14.00 x 16.90	160,000	88 - 264	57.3	20.9 x 12.6 x 17.3	most durable, attachments, long life	
KOWOLUX 14X17eco	35 x 43	355x 430	D 4.00	340	23.0	530 x 320 x 440	large format images	
13 40651	14.0 x 17.0	14.00 x 16.90	100,000	88 - 264	50.7	20.9 x 12.6 x 17.3	most durable, attachments, long life	
KOWOLUX LX 14X17	35 x 43	355x 430	D 3.80 - 4.20	200	11.0	700 x 100 x 640	large format images	
spot 50 x 50 mm	14.0 x 17.0	14.00 x 16.90	70,000	88 - 264	24.3	27.6 x 3.9 x 25.2	built-in spot - 5 x 5 cm, durable, long life	
13 40680			160,000					
KOWOLUX LX 14X17plus	35 x 43	355x 430	D 4.20 - 4.50	230	15.0	700 x 100 x 640	large format images	
spot 50 x 50 mm	14.0 x 17.0	14.00 x 16.90	160,000	88 - 264	33.1	27.6 x 3.9 x 25.2	built-in spot - 5 x 5 cm, durable, long life	
13 40675			320,000					
KOWOLUX LX 40	40 x 43	405x 435	D 3.9	140	11.0	700 x 100 x 640	large format images	
13 40195	15.7 x 17.0	15.90 x 17.10	80,000	88 - 264	24.3	27.6 x 3.9 x 25.2	built-in 4-way blind system, long life	
KOWOLUX LX 40plus	40 x 43	405x 435	D 4.00	160	19.0	700 x 100 x 640	large format images	
13 40700	15.7 x 17.0	15.90 x 17.10	100,000	88 - 264	41.9	27.6 x 3.9 x 25.2	built-in 4-way blind system, long life	
KOWOLUX LX 60	40 x 60	405x 605	D 3.90	200	24.0	870 x 100 x 640	large format images	
13 40196	15.7 x 23.6	15.90 x 23.80	80,000	88 - 264	25.9	34.3 x 3.9 x 25.2	built-in 4-way blind system, long life	
KOWOLUX LX 90	40 x 90	405x 905	D 3.85	450	30.0	1170 x 100 x 640	large format images	
13 40690	15.7 x 35.4	15.90 x 35.60	70,000	88 - 264	66.1	46.1 x 3.9 x 25.2	built-in 4-way blind system, long life	
<b>KOWOLUX series:</b>	control range < 0.5 ... 100 %		Uniformity g > 0.8	Divergence σ' > 0.9		LED	long life > 40,000 h	5,000 K

### Corresponding D / Luminance values according to DIN EN 25580, ISO 5580, ASTM E1390:

D	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
cd/m <sup>2</sup>	31,500	40,000	50,000	63,000	80,000	100,000	125,000	160,000	200,000	250,000	315,000	400,000	500,000	630,000	800,000	1,000,000