Hapro manual

Features

Elegant combination of modern design and ease of assembly.

Triangular support rolls away completely into case. Ideal for building-in or recessed ceilings.

Automatic stop for rolling and rerolling guarantees long lifespan of projection screen fabric.

High-quality projection screen fabric results in flat-hanging screen for optimum image quality.

Black border increases perceived clarity of projected image.

Crank mechanism may be easily operated when mounted on a (high) ceiling.

Built-in mounting brackets are covered with side covers.

Direct, easy to mount on wall, ceiling and/or in cove.

Options

- ► Screen fabrics Matte white M, Datalux M and High Power.
- ► Formats standard (1:1) and video (4:3).

Accessories

- Ceiling brackets for mounting in high rooms or under lowered system ceilings. 10800004 length max. 100 cm
- ► To prevent image distortion during OHPprojection the following are available:
- wall brackets to place projection screen fabric under a corner 10800001 length 75 cm
- wall clamps to secure slat bar to the wall with slanting projection surfaces 10800006







Top quality, crank-operated projection screen in a large selection of various aspect ratios, sizes and screen fabrics.

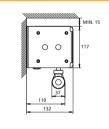
Technical characteristics

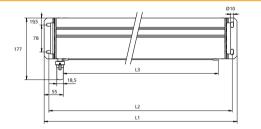
- ▶ All projection screens are designed and manufactured according to DIN 19045 parts 1-5.
- ▶ Steel case. Galvanised inner side and white powder-coated outside (RAL 9016) with I. grey, plastic side caps.
- ► Aluminium crank with fold-away handle. The length of the crank is 165 cm. The slinger length is 255 cm for screen widths starting at 240 cm.
- ▶ Matte white M: double-sided calandered vinyl on a non woven glass fibre carrier with black backing; reflection value 1.0, viewing angle 50° L/R, weight approx. 1350 gr/m² and thickness approx. 0.95 mm.
- ▶ Datalux M: double-sided calandered vinyl on a non woven glass fibre carrier with black backing; increased reflection value 2.0, viewing angle 35° L/R, weight approx. 1400 gr/m² and thickness approx. 1.0 mm
- ► High Power: double-sided coated vinyl on a woven glass fabric carrier with black backing; high reflection value 2.8, viewing angle 25° L/R, weight approx. 680 gr/m² and thickness approx. 0.43 mm.
- ► Screen fabrics satisfy the requirements for fire-resistance of construction materials and components.
- ► Standard format (1:1) has a 2.5-cm black border on left/right side (from 240 cm width, 5 cm border L/R). Video format (4:3) has a 5-cm black border all around.
- ▶ Thanks to built-in brackets on the sides of the case, immediate mounting on the wall and/or ceiling is possible.











Aspect ratio	Screen size	Viewing size	Nominal diagonal		Case L1 L2 L3			Net weight	Screen fabrics Matte white M Datalux M HighPower		
	hxw cm	hxw cm	cm	inches	mm	mm	mm	in kg	prod. code	prod. code	prod. code
1:1	160x160	151x151			1727	1699	1620	15	10300019	10300020	10300021
	180x180	173x173			1927	1899	1820	16	10300024	10300025	10300026
	200x200	195x195			2147	2119	2040	20	10300029	10300030	10300031
	220x220	215x215			2347	2319	2240	22	10300034	10300035	
	240x240	230x230			2547	2519	2440	26	10300036	10300037	
	280x280	270x270			2947	2919	2840	30	10300038	10300039	
	300x300	290x290			3147	3119	3040	34	10300040	10300041	
	138x180	120,100	213	84	1927	1899	1820	16	10300044	10200045	10200046
4:3		126x168							10300044	10300045	10300046
4.5	153x200	143x190	254	100	2147	2119	2040	18	10300049	10300050	10300051
	183x240	173x230	305	120	2547	2519	2440	23	10300052	10300053	10300054
	213x280	203x270	355	140	2947	2919	2840	27	10300055	10300056	
	228x300	218x290	381	150	3147	3119	3040	30	10300057	10300058	

The diagonal sizes listed are approximate, in accordance with the market standard. For advice regarding the right size and screen fabric, see page 5-7 or consult the Screen Selector at www.projectascreens.com.

