

Anleitung / Instructions / Notice d'utilisation

PRADOVIT COLOR 2

Projektionsabstand und Schirmbildgröße Kleinbild-Format

Für die Projektion im Hoch- und Querformat ist ein quadratischer Bildschirm erforderlich, dessen Seitenlänge in Metern aus der Tabelle zu entnehmen ist. Bei Nennformat 40 x 40 mm erhöhen sich die angegebenen Werte um etwa 10 %.

Tables of projection distances and screen image 35 mm format

A square screen is necessary when both upright and horizontal slides are to be projected; the table below contains the lengths of the screens in m. For the projection fo 40×40 mm slides the given values must be increased by about 10 %.

Tables de projection Petit format

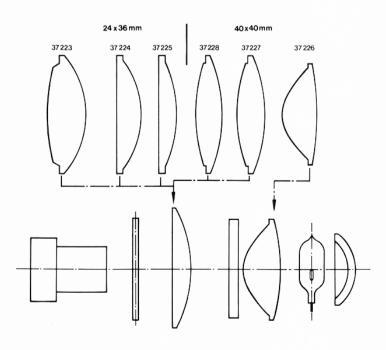
Pour projeter les vues en largeur et en hauteur, il faut un écran carré, dont la longueur des côtes est indiquée en m dans les colonnes des tables, en fonction de la distance de projection et de la focale de l'objectif utilisé. Pour les vues de format 40 x 40 mm, augmenter les valeurs de 10 % env.

		Objektivbrennweiten in mm Focal lengths in mm / Focale des objectifs en mm									
		35	50	60	90	120	150	200	250	300	
Projektionsabstand in mm / Projection distances in m Distance de projection en m	1 2 3	0,95 1,95 2,95	1,30 1,95	1,15 1,75	1,10						
	4 5 6	3,95	2,65 3,30 4,00	2,30 2,90 3,50	1,50 1,85 2,25	1,10 1,40 1,70	1,10 1,35				
	7 8 9			4,00	2,65 3,05 3,45	1,95 2,25 2,55	1,55 1,80 2,05	1,35 1,50			
	10 11 12				3,80	2,85 3,15 3,45	2,25 2,50 2,75	1,70 1,85 2,05	1,35 1,45 1,60		
	13 14 15					3,70 4,00	2,95 3,20 3,45	2,20 2,40 2,55	1,75 1,90 2,05	1,45 1,55 1,70	
	16 17 18						3,65 3,90 4,15	2,75 2,90 3,10	2,15 2,30 2,45	1,80 1,90 2,05	
	19 20 21							3,25 3,45 3,60	2,60 2,75 2,85	2,15 2,25 2,40	
1	22 25 30 35							3,80 4,30	3,00 3,45 4,15	2,50 2,85 3,45 4,00	

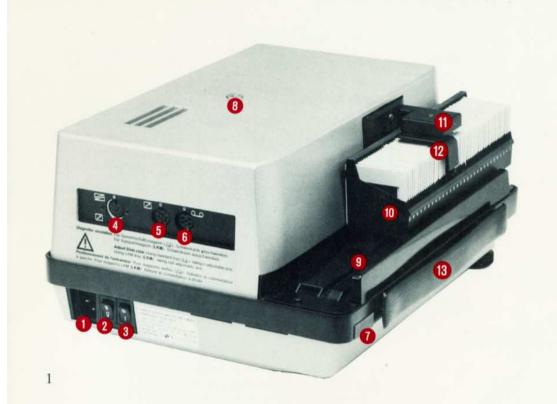
Projektionsobjektiv	BestNr.	Stutzen BestNr.	Wechselk BestNr.	ondensor BestNr.	
Projector lens	Code No.	Lens mount Code No.	Interchange- able condenser Code No. Code No.		
Objectifs de projection	No de code No de code		Condenseurs interchangeables No de code No de co 24x36mm 40x40m		
ELMARON® 2.8/35mm	37041	37119	37223	- /	
ELMARIT® P 2.8/50mm	37011	37119	37224	-	
ELMARON 2.8/60mm	37004	37119	37224	37227*	
ELMARON 2.8/85 mm	37003	37119	37224	37227*	
COLORPLAN® 2.5/90 mm	37005	37119	37224	37227*	
COLORPLAN® CF					
2.5/90 mm	37015	37119	37224	37227*	
ELMARON 2.8/120mm	37022	37119	37224	37227*	
ELMARIT P-CF 2.8/120mm	37012	37119	37224	37227*	
ELMARIT P 2.8/150mm	37017	37119	37224	37227*	
ELMARIT P-CF 2.8/150 mm	37013	37119	37224	37227*	
ELMARON 3.4/200mm	37009	37119	37224	37227*	
ELMARON 4/250mm	37082	37 130	37225	37228*	
EPNOR® 4.3/300 mm	34837	34640	37225	37228*	
VARIO-ELMARON-P 3.5/60-110 mm	37026	37119	37224	-	
VARIO-ELMARON-P 3.5/110-200mm	37027	37119	37224	_	

^{*} nur in Verbindung mit der asphärischen Linse 37 226

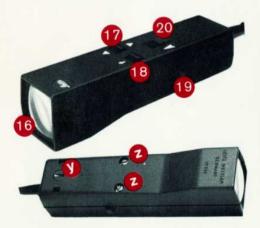
^{*} seulement avec la lentille asphérique 37 226



^{*} Only in combination with the aspherical lens 37 226











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Brief description

- 1 Socket for mains cable
- 2 Economy switch for the lamp
- 3 Main switch
- 4 14-pin socket (10 pins in use) for dissolve control unit, infra-red remote control PCM and Timer C
- 5 (8-pin) socket for remote control
- 6 (6-pin) socket for slide control units
- 7 Button for slide change Slide change forward – brief pressure Slide change backward – prolonged pressure
- 8 Fixing screw of the cover
- 9 Centring screw for the lamp
- 10 Slide magazine

Push it in as far as it will go from the rear of the projector

- 11 Slide claw
- 12 Selector LKM magazine/standard magazine
- 13 Carrying handle
- 14 Knurled screws for vertical and horizontal adjustment
- 15 Interchangeable projector lens
- 21 Voltage selector (on the underside of the projector)

Attention:

Keep the ventilation slots unobstructed. Before opening the projector disconnect it from the mains.

Make sure that the voltage set (21) agrees with the mains voltage.

Voltage selector (fig. 4)

The voltage selector (21) on the underside of the projector can be set for mains voltages of 110, 120, 130, 220, 230 and 240 V at 50 – 60 Hz. It can be turned with a coin. The voltage set must agree with the mains voltage. Adjust the voltage selector only with the projector switched off.

Mains connection

The projector is plugged into the mains through the separate mains cable (1).

Mains switch - economy switch

Switch the instrument on with mains switch (3). The economy switch (2) for the lamp produces a slightly less bright image, but roughly doubles the life of the tungsten-halogen lamp.

Connection for dissolve control units

Socket (4), 14-pin (10 pins in use) for dissolve control units, infra-red remote control PCM and Timer C.

Connection for remote control

Socket (5), 8-pin.

Tape connection

The socket (6) for the connection of timer and conventional slide control units for coupling with tape recordes has been wired to DIN 45 523.

The plugs have a lag on one side, which must point upwards for insertion in socket.

Universal for two kinds of slide magazines

No matter, if one is using the standard magazine or the compact LKM magazine, the PRADOVIT COLOR 2 transports one as well as the other. The LKM magazine takes all slide mounts up to 2 mm thickness. The slides are kept spill-proof in the LKM magazine which in addition is easy to handle. The LKM magazine at the size of a standard 36-slide magazine holds 60 slides, while an LKM magazine at the size of a standard 50-slide magazine holds 80 slides. The standard (also

called universal) magazine holds all slides up to 3.2 mm thickness. Both types of slide magazine come in stacking cases for 2 magazines each. A stacking of mixed trays is also possible.

	Code number
Stacking case with 2 standard magazines for 36 slides each	37 844
Stacking case with 2 standard magazines for 50 slides each	37 855
Stacking case with 2 LKM magazines for 60 slides each	37 979
Stacking case with 2 LKM magazines for 80 slides each	37 980

Slide magazines

When buying magazines you are well advised to look for quality. Because slide magazines are as important to breakdown-free projection as, for instance, the tyres are to safe motoring. In the same way as a poor-quality tyre may prove troublesome, poor-quality magazines may spoil the most beautiful slide show by causing breakdowns, and in certain conditions may even damage your projector.

Leica magazines are subject to continuous control of material and true dimensions. This precaution guarantees a high quality standard and thereby trouble-free, relaxed projection.

Setting the slide claw to LKM-magazines (fig. 6)

Pull out the slide claw (11) and turn the switch (12) to the outside until it clicks into place.

The symbol for the LKM-magazine marks the position of the LKM-magazine in the slide claw.

Setting the slide claw to standard magazines (fig. 7)

Pull out the slide claw (11) and turn the switch (12) to the projector until it clicks into place.

The symbol for the standard magazine marks the position of the standard magazine in the slide claw.

Inserting the magazine

Insert the magazine from the back of the projector as far as it will go. Slides are changed with button (17) on the remote-control part or button (7) on the projector.

Moving the magazine

Pull out the slide claw (11) and hold it in position until the slide being projected is returned to the magazine. This can now be moved backward or forward by hand for the projection of the desired slide or it can be removed from the magazine track altogether.

Vertical adjustment

For the precise horizontal alignment and vertical adjustment of the projected image, turn the two knurled screws (14).

Note: To avoid distortion and unfocused areas along the edges, set the projector at right angles to the screen.

Focusing

Turn the lens (15) to focus the first slide. All subsequent slides will be automatically in focus.

For manual override at any time without altering the initial setting, press the remote control's focusing button (18). At the next slide change, the autofocus automatically returns to the initial setting.

Remote control

Slide change forward = push the button (17) forward. Slide change reverse = push button (17) back. Fine focusing with button (18).

Light pointer

Switch it on with button (19), focus it by moving button (20).

To change the lamp release the two screws (z) on the underside of the remote-control unit and pull the two parts of the housing apart. Insert the new lamp, to be obtained from Technical Service Leica GmbH, Service No. 038-101.073-000. Assemble the remote-control unit and tighten screws (z).

If after the lamp has been changed the light pointer is not fully illuminated, slightly turn screw (y) with a coin until optimum illumination is obtained.

Interchangeable lenses

Interchangeable projector lenses from 35 to 300 mm focal length are available for the PRADOVIT COLOR 2. When supplied, the projector is fitted with the suitable lens mount and with the appropriate interchangeable condenser.

Lenses of other focal lengths require their own mounts and interchangeable condensers (see p. 2).

Interchangeable Condenser

Release the fixing screw (8) and remove the cover. Disengage the rear part of the lamp housing (fig. 8), slacken the two knurled screws through a few turns. The entire cover of the lamp housing can now be lifted off and pulled off to the rear. The interchangeable condenser lens (a), (fig. 9), can now be exchange. The flat side or the stepped side of the lens points to the projector lens.

Interchanging illuminating lenses

Unless otherwise specified the projector is supplied with an illuminating system for the 35 mm format.

We recommend to project all slides 24 x 36 mm with the illumination system for the format 24 x 36 mm.

If the 40×40 mm format is to be illuminated, the aspherical lens (c) and the interchangeable condenser (a) must be replaced (fig. 9). Open the lamp housing as shown for the interchangeable condenser (fig. 8). It is now possible to interchange the two lenses for the 35 mm format with those for the 40×40 mm format.

When the lamp housing is placed in position ensure that the aspherical lens (c) and the interchangeable condenser (a) as well as the heat filter (b) are gripped by their own holders (fig. 10) before securing the cover with the two knurled screws. Information about the collars and interchangeable condensers for the various interchangeable lenses is contained in the table on page 2.

Changing the lamp (fig. 8)

Attention: Before changing of the bulb, the apparatus should cool down.

Release the fixing screw (8) and remove the cover of the projector housing. Release the rear part of the lamp housing and turn it up. The burnt-out lamp is now readily accessible. Only the 24 V/250 W tungsten halogen lamp must be used to avoid damage to the lamp or to the projector.

The protective cover of the tungsten halogen lamp must not be removed until the lamp is inserted. The instructions by the lamp manufacturers should be followed. Turn the lamp housing down and secure it, place the cover in position and screw it down.

Centring the projector lamp

The projector is supplied with the adjusted lamp mount. If, after the burnt-out lamp has been exchanged, centring becomes necessary. This can be carried out with the aid of the pinhole stop supplied.

Lateral adjustment (fig. 11) with centring screw (9), vertical adjustment (fig. 12) with screw (23).

Electrical safety

The PRADOVIT has fuses to protect it against overload and shorts in the circuit. They are freely accessible after removal of the cover (fig. 13). The designations will be found next to the fuse holders. Insert the fuses accordingly.

Thermal cutout (fig. 14)

The thermal cutout serves as additional safeguard against overheating and switches the projector off automatically when for any reason a certain temperature is exceeded inside the projector with the risk of damage. After the removal of the cause of overheating and allowing the projector to cool, remove the cover, and press the red button on the blower housing to switch the thermal cutout on again.

Protective hood

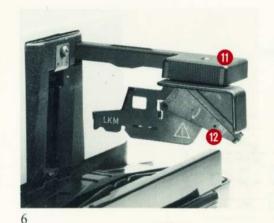
The strong plastic hood protects the projector against dust and damage. A self-adhesive white projection surface is supplied loose. Attach this to the hood. It allows you to sort through a set of slides in daylight without having to set up the screen. The hood is also solid enough to use as support for the projector. The handles on the sides of the hood are marked with arrows. To remove the hood, grip the handles, pull them slightly apart in the direction of the arrows, and lift off the hood (fig. 5).

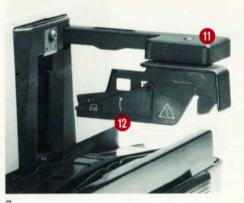
Tips for care and maintenance

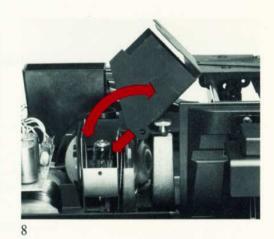
Dust adversely affects brilliance and brightness of the projected image. The optical parts should therefore be cleaned from time to time. Please use only a soft, clean sable brush and avoid finger marks. Wipe the interchangeable condenser (a), lens (c), heat filter (b) and projector lens after dusting with a non-fluffing cotton tissue, such as a handkerchief.

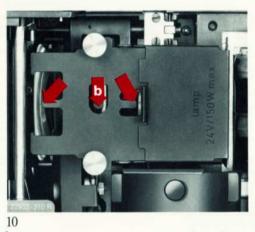
After-sales service

For the servicing of your instrument as well as in case of a defect the Technical Service within your competent agency (see warranty card) is available to you. Please contact your local Leica dealer.

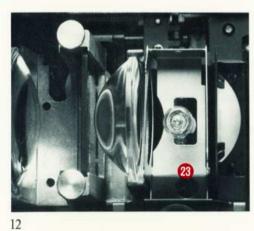


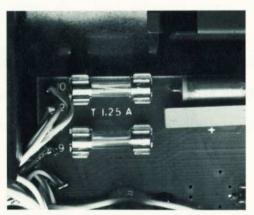


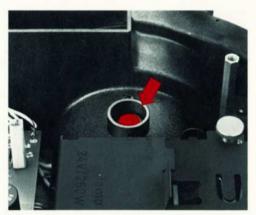




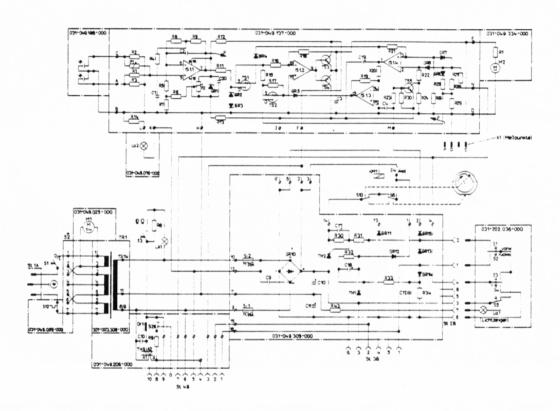








Stromlaufplan / Wiring diagram / Schéma électrique



Nur Geräte aus dem Leica Zubehör-Programm für Projektoren anschließen.

Only equipment of the Leica Accessories-Programme for Projectors should be connected.

Ne brancher que des appareils provenant du programme d'accessoires pour projecteurs.

* = Registriertes Warenzeichen Änderungen in Konstruktion und Ausführung vorbehalten. Alle Angaben gelten auch für das unter der Marke "Leitz" hergestellte Gerät.

* Registered Trademark

Design subject to alterations without notice.

All specifications are also valid for the instrument manufactured under the trade-mark "Leitz".

* = Marque déposée

Soucieux de perfectionner sans cesse nos fabrications, nous nous réservons le droit d'en modifier sans préavis les caractéristiques. Toutes les indications sont également valables pour l'appareil fabriqué sous le nom de marque «Leitz».

