

Leica

LEICA PRADOVIT P300/P300 IR

BRILLANT PROJECTION



MADE BY LEICA

On the new Generation of LEICA Projectors

As part of Leica's chain of highest performance products, the new generation of 35 mm slide projectors LEICA PRADOVIT P 300 and PRADOVIT P 300 IR offer an ideal follow-up to brilliant photography, carrying through the same high-quality optics to projection. The optical qualities of LEICA projection lenses - including the unsurpassed SUPER-COLORPLAN - give you the assurance that your slides will be projected in the same sharpness and contrast as they were photographed.

Comfortable to operate and easy to transport, the LEICA PRADOVIT P 300 and PRADOVIT P 300 IR models are distinguished by their versatility of use in any room or situation and promise a pleasurable viewing experience.

Six model variations, including IR with infrared remote-control and DU models for fade projection, open up the fascinating world of Leica projection.

The special advantages at a glance

1. Brilliant optical performance with LEICA P2 projection lenses from 70 to 200 mm, including a 70-120 mm zoom and the unsurpassed SUPER-COLORPLAN-P2 90 mm. The fascination of the photograph is translated into the projected image with brilliance, excellent contrast, resolving power and color fidelity, finest hue differentiation and pinsharp definition.

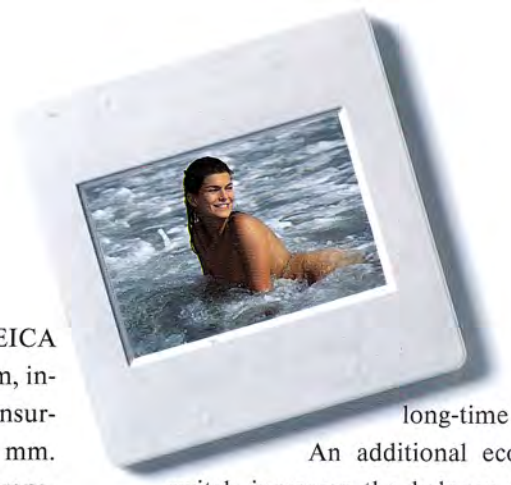
2. Suitable for any room or situation: with a lens Range covering focal lengths from 70 to 200 mm, practical accessories and special easy-transport design, LEICA PRADOVIT P 300 and P 300 IR projectors can be used in the most diverse situations. Both feature a powerful 250 W lamp.

3. Operating comfort for increased viewing pleasure: you run the show from the comfort of your chair, with a handy cable- or IR remote-control unit (depending on the model), integrated in the projector housing for easy storage. Two separate buttons ensure easy slide change backwards or forwards. Even at larger functions, you are in complete control.

4. Brightness and brilliance: the condensor system guarantees optimal exploitation of light. In this way, the projected picture is radiantly bright from corner to corner.

5. Automatic focusing: precise focusing takes place automatically and quickly - regardless of whether the slides used are glass-mounted or not. The autofocus can also be easily re-adjusted via "override" on the remote-control unit.

6. Optimum protection against overheating: by means of a direct cooling fan, heat protection filter and thermal protection switch, projector and slides are protected from thermal damage even during



long-time use.

An additional economy switch increases the halogen lamp's lifespan while hardly reducing light output.

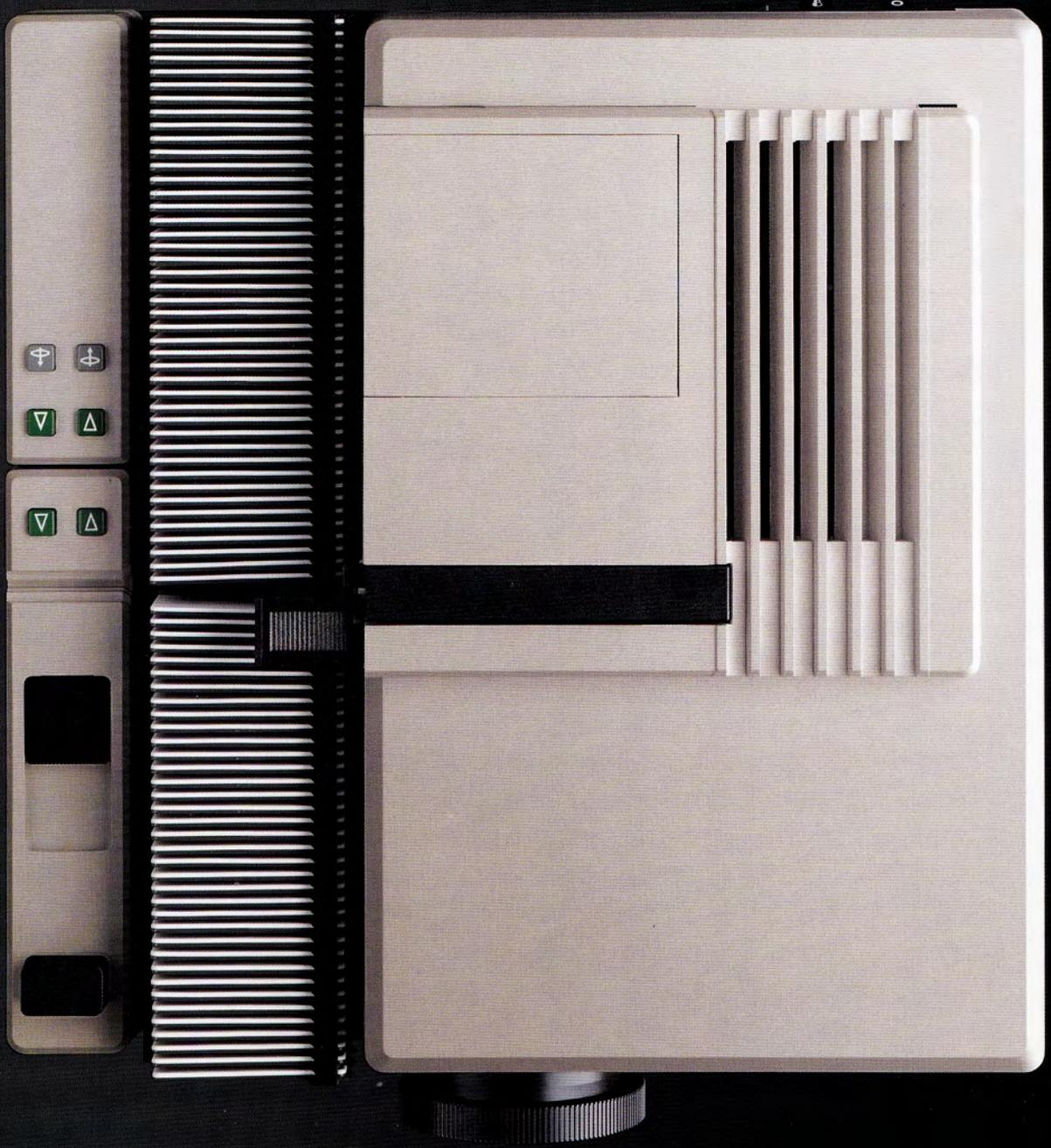
7. Smooth slide change: with the precision slide transport and positively guided claw, your slides are gently and quietly transported into the image plane.

8. Easy sorting and exchanging of slides: using the slide preview on the projector, or the single-slide view, it is easy to search for and preview your slides before and during projection.

9. Convenient slide magazine systems: orderly and space-saving storage of your slides is assured by three straight magazine systems: the spill-proof LKM magazine, CS magazines and multiformat standard magazines for different frame types. The slide-claw can be set simply and quickly to the magazine used.

10. Versatile accessories increase viewing pleasure and extend the range of comfortable operation with LEICA PRADOVIT P 300 and P 300 IR projectors - from a plug-in reading lamp all the way to dissolve control units for fade projection with the DU models, transforming a simple slide series into a fascinating show.





On the different models

There are two different models of the PRADOVIT: pick the one that meets your requirements best by choosing between cable- or IR remote control. Both models have a high light output and are suitable for dissolve projection.



LEICA PRADOVIT P 300

This projector has all you need for brilliant slide projection. With its powerful 250 W lamp, the PRADOVIT P 300 is ideal for many slide presentations and for large rooms. A built-in remote control cable with integrated

light pointer ensures efficient and easy operation. The infrared remote-control unit LEICA IR PCM is available as an accessory for cable-free control over longer distances if necessary.



The IR remote-control for LEICA PRADOVIT P 300 IR.



LEICA PRADOVIT P 300 IR

Here the convenient infrared remote control is already integrated in the projector housing for easy storage and transport. The PRADOVIT P 300 IR lets you run the show from the comfort of your chair: slide change forwards and backwards as well as manual correction (override) of the autofocus. At larger presentations and functions you enjoy complete

freedom of movement in front of your audience (up to about 20 m) without having to watch cable connections.

Equipped with a triac as standard, the PRADOVIT P 300 and PRADOVIT P 300 IR make an ideal team for the fascinating technique of dissolve projection together with LEICA dissolve control units (see p. 8ff).



On operating comfort

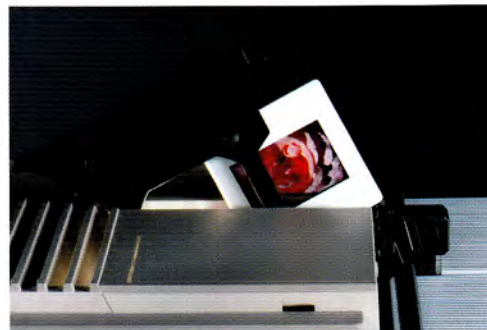
Easy to operate and convenient to handle, the LEICA PRADOVIT P300 and P300 IR projectors offer complete viewing pleasure with many functional features and details that are perfectly matched to your demands.



The slide preview for previewing and sorting slides.



Convenient remote-control, either as cable or infrared remote-control.



The editor for comfortably projecting, exchanging or turning single slides.



The integrated, fold-out carrying handle enables easy transport.

Slide preview

Particularly useful is the possibility of previewing and sorting slides by holding or placing them over a slide editor – an illuminated translucent panel under a fold-down cover on the projector housing.

Editor

The practical editor makes it possible to project single slides without a magazine. Projected slides of a series can be turned around or exchanged during projection, in the dark, without having to remove the magazine.

Convenient remote-control

By means of remote-control units which are a standard feature, either as cable or infrared remote-control, you run the show from the comfort of your chair: slide-change forwards and backwards and, whenever necessary, adjusting the autofocus via override. The basic autofocus setting remains unchanged.

LEICA PRADOVIT P300 projectors are all equipped with cable remote-control units featuring a built-in light pointer with a range of up to 6 m for lectures and seminars. LEICA PRADOVIT P300 IR projectors feature infrared remote-control units offering freedom of movement without the need to watch cable connections.

Easy transport

All LEICA P300/P300 IR models come with an integrated, fold-out carrying handle that enables easy transport.

Smooth slide transport

The precise magazine guide in the magazine channel makes for smooth and quiet slide transport. Your slides are guided into the image plane safely and accurately. By means of a positively guided slide claw. Above all, your favorite slides are treated with utmost care.

Automatic focusing (autofocus)

Precise focusing is electronically controlled to guarantee that every projected slide is automatically and instantaneously focused. This occurs through an infrared autofocus beam independent of the projector lamp. Whenever necessary, the autofocus can be re-adjusted manually via an override function on the remote-control. At the next slide change, the autofocus resumes its basic setting for you to continue with your slide presentation.

Three straight magazine systems

Three straight magazines can be used for your slides: the standard magazine (in accordance with DIN 108) for 36 or 50 slides, the spill-proof LKM magazine for 50 or 80 slides in cardboard or plastic mounts up to 2 mm thickness, as well as the CS magazine for 40 or 100 slides.

Optimum heat protection for projector and slides

A fan for direct cooling, a heat protection filter and built-in thermal protection switch ensure that your valuable slides are always protected from thermal damage through direct cooling, even during extended use.



On the fascination of dissolve projection

If you place high demands on the presentation of your photographic achievements, you'll be fascinated by the possibility of dissolve projection. Here, the interplay of perfected technology and your own creativity offers a wide range of attractive variations that can compare only to the experience of a fascinating film: flowing image transitions through "soft" dissolve slide change; image mixing to create the so-called third picture, split-second slide change and many more impressive effects that promise an exciting viewing experience. The zenith of Leica dissolve technology, however, is an image and sound synchronous show, programmed on tape or cassette recorder for playback in stereo.



Dissolve projection with two LEICA PRADOVIT P 300 projectors.

The LEICA DU-24 M2 for flowing image transitions.

The manually controlled LEICA DU-24 M2 offers you easy access to the world of dissolve projection. After setting up your two projectors, the DU-24 M2 is operated literally from the palm of your hand like a normal remote-control unit. Dissolve effects are controlled manually for each slide change and can be varied individually at will. There's no easier way: depending on how far you move the slider up or down, one or the other projector lights up brighter. If you move the slider fully home (either down or up) either one or the other projector will advance to the next slide. However quickly you adjust the slider determines the dissolve time.

The LEICA DU-24 IR for automatic dissolve projection with IR remote-control.

The convenient dissolve control unit DU-24 IR with automatic dissolve control offers a variety of dissolve projection effects, yet is very simple to operate.

While with the LEICA DU-24 M2 the dissolve time is individually controlled by hand via a slider, the DU-24 IR's automatic dissolve control enables dissolve projection via digital time setting. Different dissolve effects can be (1.) stored on tape or cassette for pro-

grammed playback, (2.) automatically played back via timer, (3.) manually controlled via IR remote-control. You choose between two dissolve time combinations with subsequent slide change: 1, 3 and 10 seconds or immediate slide change (CUT), 2 and 6 seconds. Even during dissolve projection, the dissolve time can be increased or reduced by activating a time push-button or switched to alternating dissolve. The digital signals can be stored on tape or cassette, resulting in a perfect slide show that is musically underscored and ready for playback at any time.

A standard feature of the DU-24 IR is an infrared remote-control. It enables comfortable operation and includes an autofocus override function that addresses one or the other projector in use. An added advantage is the possibility of operating the DU-24 IR via the projector's cable remote-control.

An LED-display shows you what modes have been set, e. g. "LINE-UP" for lining up the projectors.

With a minimum of effort the LEICA DU-24 IR enables you to compose a brilliant dissolve projection show.



The LEICA DU-24 M2 – manual dissolve projection for flowing image transitions.



The LEICA DU-24 IR for automatic dissolve projection with two LEICA PRADOVIT P 300/P 300 IR.

**On the dissolve control unit
LEICA DU-24 IR PC**

The dissolve control unit LEICA DU-24 IR PC paves the way to total audiovision: with its nine dissolve times and additional creative modes, it also offers the possibility of programming a professional dissolve projection show on personal computer.



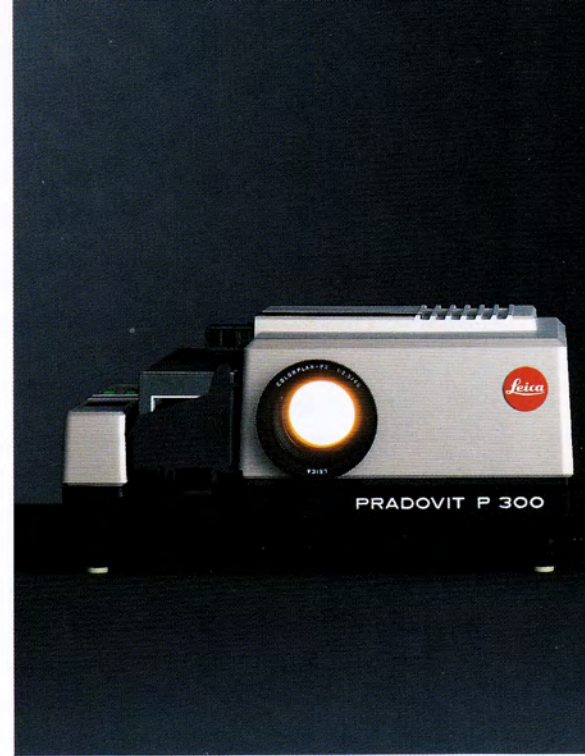
The digital slide control is available as an accessory for the LEICA DU-24 IR PC.

The LEICA DU-24 IR PC - automatic dissolve projection for professional audiovisual presentations.

With nine dissolve times, additional creative modes and the option of programming your dissolve projection show on your PC, the creative possibilities offered by the LEICA DU-24 IR PC are almost boundless. It offers total audiovision all the way to professional presentations: for live shows, in which you spontaneously create image sequences, or for the programmed audiovisual presentation in which all dissolve and sound effects are stored on tape, ready for playback at any time.

Besides nine dissolve times ranging from hard dissolve (CUT) in steps up to 30 seconds, further effects are possible with the DU-24 IR PC:

“FREEZE” for freezing a fading slide change, “PULSE” for pulse-effects during projection, “PRESET” for individually con-



Side-by-side and panorama projection with two LEICA P 300 IR projectors.

trolling either projector, “REVERS” for fading back to the previous slide.

Alternating dissolve, as well as manual re-focusing are also possible via the IR remote-control, while the LED-display accords perfect control over all functions. By linking up several DU-24 IR PC dissolve control units, it is also possible to set up more than two pro-



With two LEICA projectors, still more appealing forms of projection are possible in addition to dissolve projection: from side-by-side projection all the way to breathtaking panorama projection.



projection on an IBM-compatible personal computer with up-to-date software (available as accessory) that provides convenient menus and easy storage of your dissolve projection program on tape or cassette. If required, the DU-24 IR PC can also be upgraded with a TIME CODE MODULE, which enables precise synchronization of sound and picture.



The dissolve software LEICA DCP enables professional programming step by step. And changes are always easy to do.

jectors for multiple dissolve projection. Finally, a slide show pogrammed with a LEICA DU-24 A or LEICA DU-24 P dissolve control unit on a multitrack tape or cassette recorder can be played back on the LEICA DU-24 IR PC. If you want to advance to the professional level, there is the added possibility of writing your own dissolve



The LEICA DU-24 IR PC - automatic fade projection for the professional audio-visual slide show - also PC-programmable. If a TIME CODE MODULE is integrated into the instrument, the LDCP software automatically adjusts to this function.

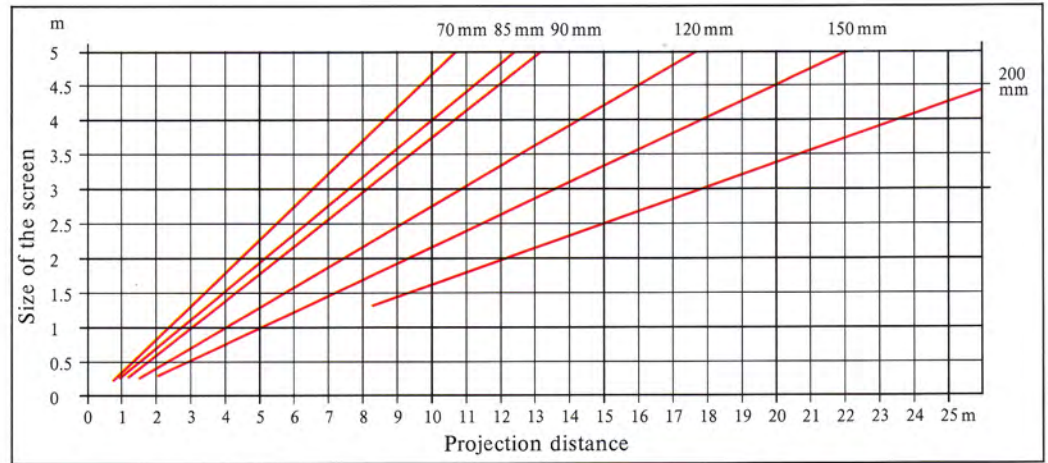


Right, LEICA Projection lenses:

- | | |
|--------------------------------|----------------------------------|
| 1 HEKTOR-P2 2.8/85 mm | 5 ELMARIT-P2 2.8/120 mm |
| 2 COLORPLAN-P2 2.5/90 mm | 6 ELMARIT-P2 2.8/150 mm |
| 3 SUPER-COLORPLAN-P2 2.5/90 mm | 7 ELMARON-P2 3.4/200 mm |
| 4 COLORPLAN-P2 CF 2.5/90 mm | 8 VARIO-ELMARIT-P2 2.8/70-120 mm |

On highest optical performance

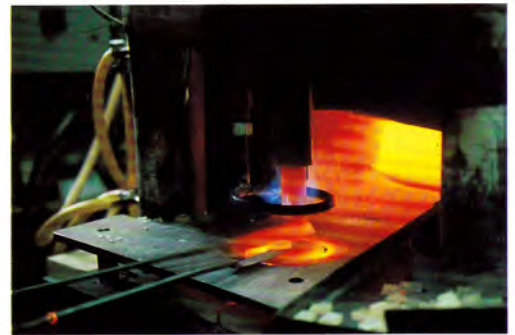
At the heart of brilliant LEICA projection are projection lenses which offer the same highest optical performance as LEICA camera lenses, ensuring that the projected image is radiantly bright and stunningly sharp from corner to corner.



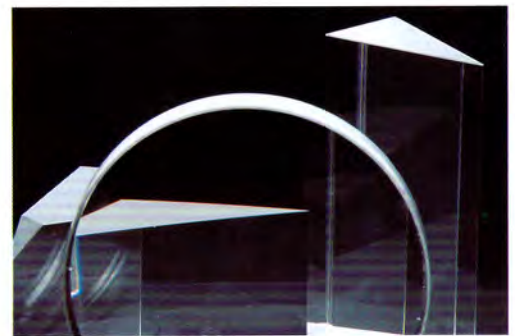
Projection distance and screen image size for the 24x36 mm format. For upright and normal format projection, a square screen is necessary. The required length of the sides can be seen from the diagram.

The highly corrected LEICA projection lenses reveal the finest details you were able to capture on film. And here, the unsurpassed SUPER-COLORPLAN-P2 takes the eminent position. Unequaled definition, resolution and color fidelity distinguish this lens and make it possible for the photographer to match even the highest demands. Depending on projection distances and the size of the screen, you can choose from projection lenses of focal lengths from 70 to 200 mm, including a 70-120 mm zoom lens. The most commonly used focal length of 90 mm for glass-mounted slides is also available in a CF version for unglazed slides. CF means "curved field" and indicates that its special optical design takes into account the average curvature of unglazed slides, ensuring uniform sharpness over the entire projection image.

With LEICA projection lenses the wealth of the image appears brilliantly magnified on the screen, bringing back to life your subject in the finest detail and brightest colors of the moment the picture was taken.



Optical glass refined according to Leica specifications: prerequisite for highest optical performance.



Gleaming, crystal-clear lens elements and prisms: the result of special grinding and polishing procedures.



The intricate multi-coating process: guarantee for brilliant pictures.





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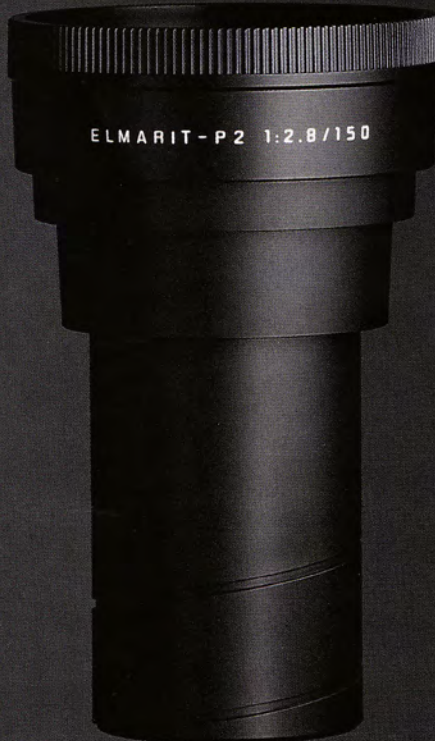
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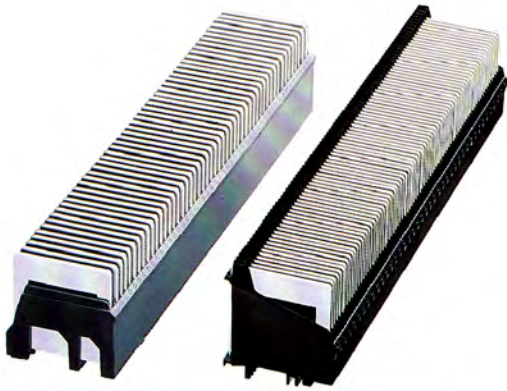
**On the
SUPER-COLORPLAN-P2**


The LEICA SUPER-COLORPLAN-P2 f/2.5/90 mm was specially designed for the LEICA PRADOVIT P 300 and P 300 IR projectors. The addition "SUPER" points to the special features of this projection lens, whose optical performance surpasses even that of the world-famous COLORPLAN and is comparable with the LEICA APO lenses for LEICA cameras.



The highest optical performance offered for photography is followed up in projection with absolute perfection. The SUPER-COLORPLAN-P2 f/2.5/90 mm comprises a highly-corrected optical system with five coated lens elements. Apart from excellent resolving power, radiantly bright illumi-

nation and color fidelity, it provides unsurpassed, even contrast distribution and pin-sharp definition over the entire image area. The SUPER-COLORPLAN-P2 brings out the last iota of quality in your slides to satisfy even the highest demands and do justice to the finest photograph.



 Slide magazines for different slide types: the standard magazine (with DIN quality stamp) and the spill-proof LKM magazine (see p. 5).



The plug-in reading lamp with a flexible metal neck enables you to read notes and lecture texts in a darkened room while projecting your slides. It also serves as a handy light at intervals.

On practical accessories

The practical range of accessories for the projectors LEICA PRADOVIT P 300/P 300 IR increases their versatility and safe operation in different situations: from perfect preparation to convenient and easy slide show presentation, all the way to secure and orderly storage of your slides, these accessories offer you valuable help and increase your viewing pleasure. Additional units, such as timer, dissolve-control units and separate infrared remote-control units are connected to the projector via a single 14-pin socket, eliminating confusion when connecting different accessories, even in the dark.



For storing your slides: LEICA stacking boxes for two 60/80 LKM magazines or two 36/50 standard magazines.



The timer is used for automatic projection and can be programmed for slide changes from 3 to 30 seconds. Infrared remote-control unit IR PCM as accessory - for upgrading LEICA PRADOVIT P 300 and P 300 IR projectors. It enables you to move freely in front of your audience, without cable connections (see p. 4).



The sturdy carrying case protects your projector from dust and makes transport, including lenses up to 90 mm, even more comfortable and easy.



The dissolve control units LEICA DU-24 M2, LEICA DU-24 IR and LEICA DU-24 IR PC (see p. 8-11) are matched to different dissolve projection techniques with the projectors LEICA PRADOVIT P 300/P 300 IR.

LEICA PRADOVIT P 300 and P 300 IR Models

Projector complete with halogen lamp 24 V/250 W, mains cable, standard straight magazine and lens:	230 V/50 Hz incl. cable remote-control weight: 5.0 kg	230 V/50 Hz incl. IR remote-control weight: 5.1 kg
	LEICA PRADOVIT P 300	LEICA PRADOVIT P 300 IR
HEKTOR-P2 2.8/85 mm	30 821	30 831
COLORPLAN-P2 2.5/90 mm	30 822	30 832
COLORPLAN-P2 CF 2.5/90 mm	30 823	30 833
SUPER-COLORPLAN-P2 2.5/90 mm	30 824	30 834
ELMARIT-P2 2.8/120 mm	30 825	30 835
ELMARIT-P2 2.8/150 mm	30 826	30 836
ELMARON-P2 3.4/200 mm	30 827	30 837
VARIO-ELMARIT-P2 2.8/70-120 mm	30 828	30 838
Housing only	30 820	30 830

Projection Lenses:

HEKTOR-P2 2.8/85 mm _____	37 511
COLORPLAN-P2 2.5/90 mm _____	37 512
COLORPLAN-P2 2.5/90 mm _____	37 513
SUPER-COLORPLAN-P2 2.5/90 mm _____	37 514
ELMARIT-P2 2.8/120 mm _____	37 515
ELMARIT-P2 2.8/150 mm _____	37 516
ELMARON-P2 3.4/200 mm _____	37 520
VARIO-ELMARIT-P2 2.8/70-120 mm _____	37 518

Protection class: II, GS- and interference suppression symbol.

Dimensions: 278 x 275 x 135 mm (L x W x H).

Accessories:

Cable remote-control with built-in light pointer (3 m) _____	37 318
Extension cable for separate cable remote-control (10 m) _____	37 319
Infrared remote-control IR PCM _____	37 990
Multiple connection socket for simultaneous connection of e. g. sound control unit and cable remote-control _____	37 631
Timer _____	37 986
Plug-in reading lamp _____	37 313

Order-No.

Replacement light bulb for reading lamp _____	37 308
Carrying case _____	37 312

Accessories for Dissolve Projection:

Dissolve control unit DU-24 M2 _____	37 997
Dissolve control unit DU-24 IR _____	37 998
Dissolve control unit DU-24 IR PC _____	37 999
Dissolve control unit DU-24 IR PC ¹⁾ _____	37 995
Digital slide control for DU-24 IR PC _____	37 994
TIME CODE MODULE ²⁾ _____	37 952
LEICA DCP software for DU-24 IR PC _____	37 992
Console for two projectors _____	37 972

Order-No.

Magazines:

Stacking container with 2 standard magazines: (straight magazines according to DIN 108) for 36 slides each _____	37 844
Stacking container with 2 standard magazines (straight magazines according to DIN 108) for 50 slides each _____	37 855
Stacking container with 2 LKM magazines for 60 slides each _____	37 979
Stacking container with 2 LKM magazines for 80 slides each _____	37 980

¹⁾ Instrument already equipped with TIME CONTROL MODULE.

²⁾ Can only be retrofitted in authorized service workshops of the Leica Camera GmbH.

Photographers for Leica: Klaus Kärcher: Title-page, encounter; Peter H. Fürst: p. 2, Girl in surf; Boyd Norton: p. 2, Volcanic island in evening light; Hans Jessel: p. 5, Young girl on Madeira; Oliver Richter: p. 7, Football players; Enrico Ricciardi: p. 7, Rocks in surf; Bertuzzi Guervino: p. 7, Beach scene; Reiner Harscher: p. 8, Dissolve motifs; Hans Jessel: o. 10/11, Lighthouse; Hans Jessel: p. 12, Flower motif.



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