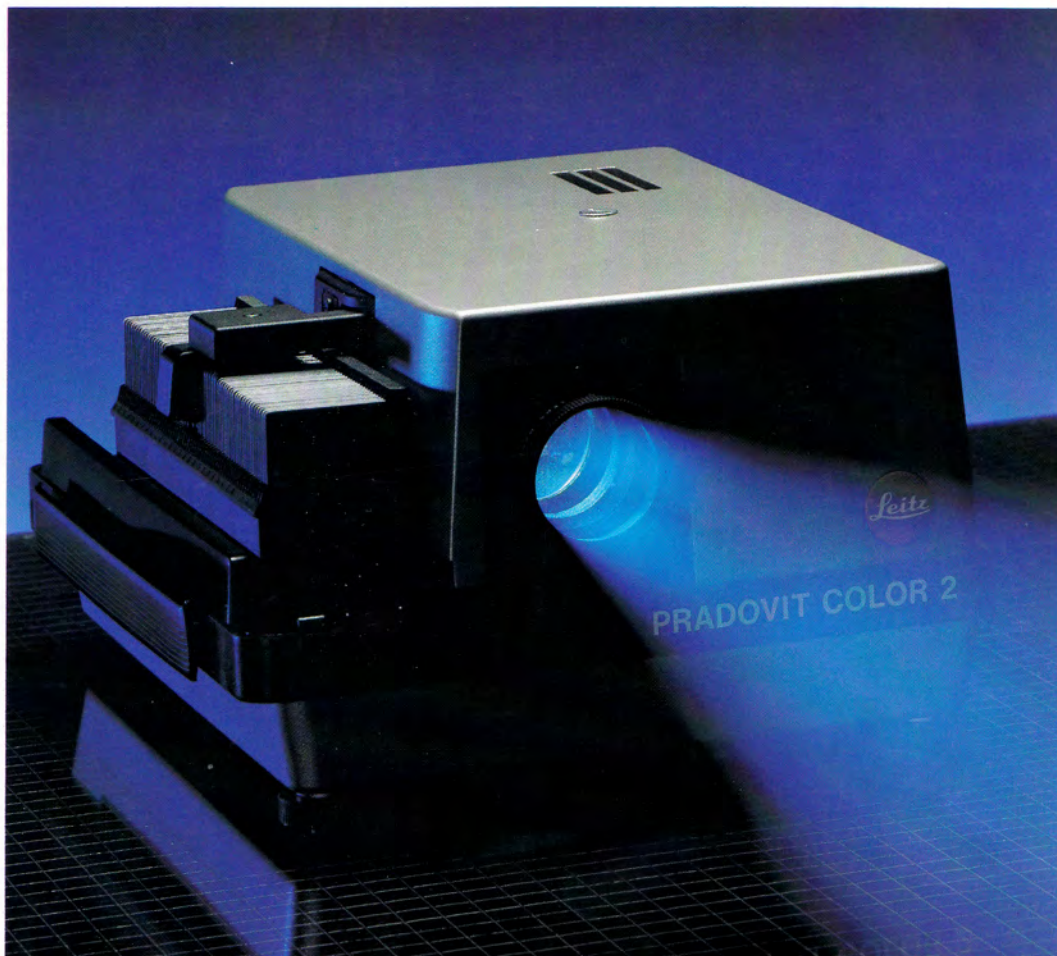


Leica

PRADOVIT COLOR 2. Absolutely brilliant.





Hours of magnificent viewing

During hours of nonstop use the special features of this high-performance projector become impressively apparent: robustness and reliability. These features are the expression of Leitz product philosophy and are shared by all Leitz products – from the LEICA® to the PRADOVIT® projectors. It is a philosophy of concentration on the essentials, because perfection can only be achieved by omitting the superfluous. So when we designed the PRADOVIT COLOR 2 we deliberately avoided unnecessary electronics or spectacular gags.

Everything on the PRADOVIT COLOR 2 is there for a good reason: for straightforward, fast and reliable operation. An example of this is the slide change, which takes only one second!

With the Leitz PRADOVIT COLOR 2 projector the projected image is just as brilliant as the photograph. This is because the Leitz lens in a PRADOVIT is made of the same high-quality glass as the world-famous LEICA lenses. Leitz optics demonstrate a performance verging on the technically impossible, rendering corner-to-corner sharpness, uniform illumination of the picture and pure, bright colours, differentiated to the finest hues.

But that's not all. The PRADOVIT COLOR 2 is the basis for a whole system of equipment widening its range of use, such as the timer, infra-red

control and dissolve control units. With the interchangeable lenses from 35 to 300 mm focal length, the projector can be adapted to suit any room size. Robustness and reliability, brilliant optical performance and extension facilities all combine to make the PRADOVIT COLOR 2 the ideal projector, whether for the professional speaker or the committed amateur.

3



A vivid projected image shows the exposure in its original perfection

Sophisticated technology



4 The fascination of the PRADOVIT COLOR 2 does not end with its outward appearance. Its sturdy aluminium die-cast housing protects a robust and durable mechanism. Cunning technical details make projection easier and more reliable. Rapid and precise interaction of all the functional elements is imperative for the slide change, which only takes one second with the PRADOVIT COLOR 2. The slides are moved into the image plane easily and reliably along a chromium-plated guide track. This takes place quietly and with the precision required for the accurate image positioning needed for dissolve projection.



The LKM magazine: spill-proof and compact

Both LKM and standard slide magazines can be used on the PRADOVIT COLOR 2. The compact, spill-proof LKM magazine is suitable for the most diverse slide frames, whether cardboard or plastic, of up to 2 mm thickness. Cardboard-mounted and standard unglazed plastic-mounted slides can be combined at will. The standard magazine accommodates unglazed and glazed slides up to 3.2 mm thickness. The projector can be switched over from one type of magazine to another with the flick of a finger. All you have to do to change from LKM to standard magazine is to switch the lever on the slide claw.

Pin-sharpness – electronically controlled. The PRADOVIT COLOR 2 is equipped with a device for automatic focusing of the projected image. It consists of an opto-electronic system built into the projector. The light source is a tubular lamp, two silicon elements serve as detectors. If the slide is not exactly in the focal plane, an electronic pulse triggers off the motorized focusing

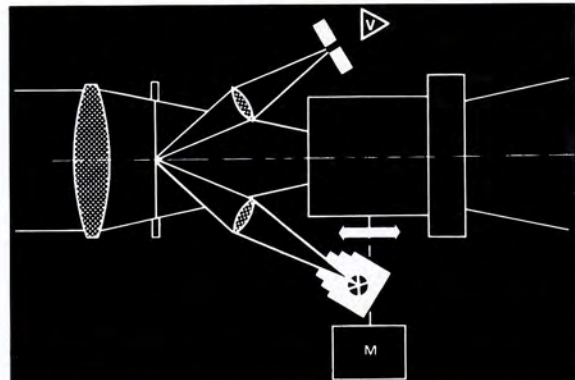


Diagram of the autofocus device

control at a speed that is hardly noticed by the viewer. Of course, you can also focus the image manually with the remote control. There is no need to turn the autofocus mechanism off and then on again – you can simply override it. For the next slide change it will be automatically reactivated.



Cable remote control

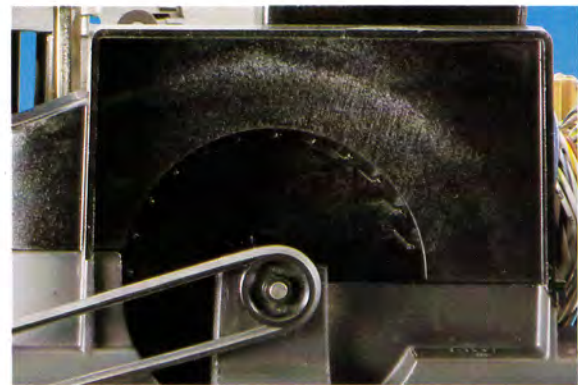
Remote control as standard equipment. Run the show from the comfort of your armchair: forward and reverse slide change, manual refocusing and pointing at any feature of interest in the projected image with the built-in light pointer.

Freely accessible magazine space. Reversing or rearranging a slide still in the projector presents no problem. Simply hold the slide claw in its outside position and move the magazine. This does

not damage the PRADOVIT and affords the possibility of overriding the automation at any time.

Thermal cutout. The PRADOVIT COLOR 2 is protected against overload or shorts in the circuit by two fuses for two separate circuits. It also has a thermal cutout as an additional protection against overheating.

Highly effective cooling of projector and slides. The PRADOVIT COLOR 2 has a two-channel fan system. In one channel hot air is extracted from the projector, in the other cold air is blown



Optimal slide protection through constant direct cooling

towards the slide. Constant direct cooling prevents damage to the slides even during long periods of projection.

The economy switch. With the PRADOVIT COLOR 2, you have the choice between full power or the economy setting. This reduces the light intensity by about 15 %, which is hardly noticeable but doubles the life of the tungsten halogen lamp.



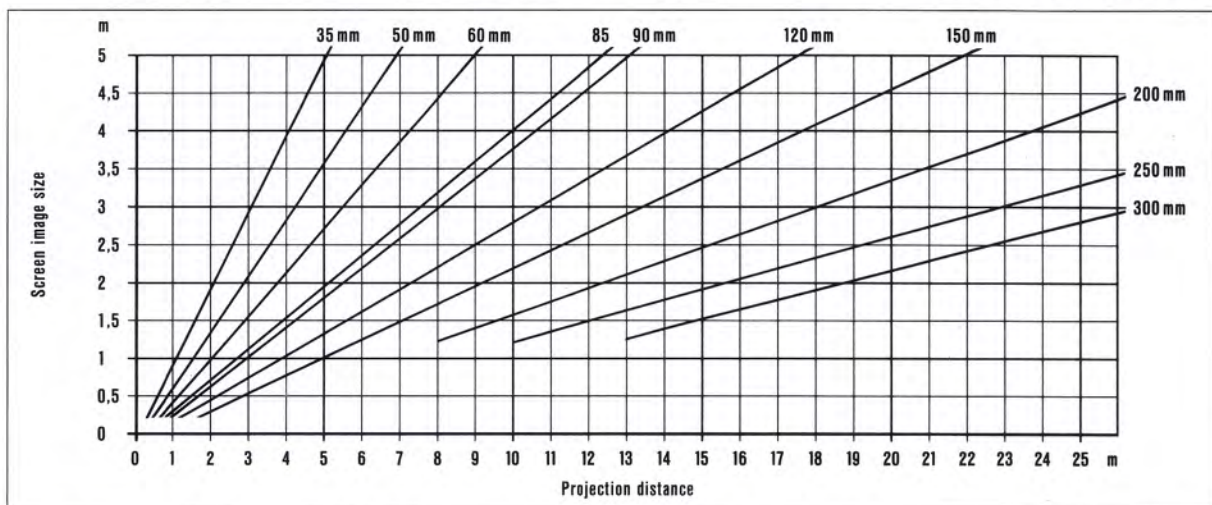
Leitz projection lenses – in the LEICA tradition!

The performance of the camera lens as regards definition, contrast, resolving power and colour rendering is of paramount importance for a good exposure. All this, however, is completely wasted when the full quality of the slide is not shown during projection. When illumination is insufficient, when the colours are dull, when sharpness decreases towards the edges of the image. For the discriminating slide photographer only the best projector will therefore be good enough. The PRADOVIT COLOR 2 with its highly corrected projection lenses shows you all the delicate details you captured during the exposure. The COLORPLAN is unsurpassed in definition, resolving power



High-quality optical glass determines the quality of reproduction for projection as for photography.

and colour fidelity. It reproduces the most minute details and most delicate colour hues in fascinating clarity and brilliance. Depending on the projection distance and size of your screen you have a choice of 15 projection lenses of focal lengths between 35 and 300 mm. This makes the PRADOVIT COLOR 2 suitable for rooms of practically any size. The range also includes two zoom lenses with focal lengths from 60–110 mm and 110–200 mm. The most popular focal lengths are available not only for glass-mounted, flat slides, but also in a CF version for unglazed slides, which are curved. The unsharpness caused by this curvature cannot be eliminated with conventional lenses even by refocusing.



Projection distance and screen image size for the 24 x 36 mm format. For upright and oblong format projection, a square screen is necessary. The required length of the sides can be seen from the diagram.

Let the PRADOVIT COLOR 2 show its true colours!



Photographic events can be reexperienced at any time by means of projection

When you focus on the centre, the corners will be blurred and vice versa. The CF lenses were developed to combat this problem, CF being short for "Curved Field".

Investigations carried out by Leitz have shown

that unglazed slides exhibit an average constancy of curvature, taking fluctuations of external influences such as humidity and temperature into account. This average value was used as the basis for the computation of the CF lenses.

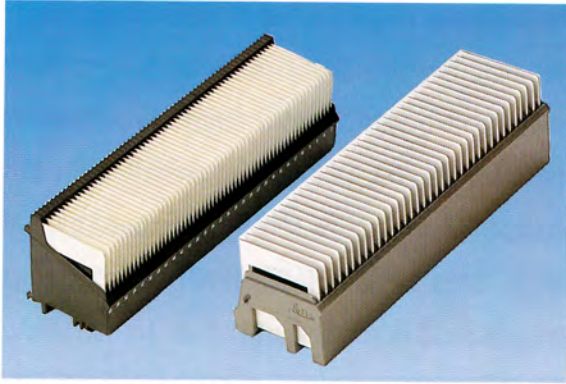
The optimal performance of the CF lenses will be apparent only after the unglazed slides have "popped". With new slides and those that have not yet been projected, this effect will occur only after a certain duration of projection.

Thereafter, the performance of the CF lenses equals that of the ordinary lenses.

Put the PRADOVIT COLOR 2 through its paces with the test slides at your local Leitz dealer's.



Seven useful accessories for the PRADOVIT COLOR 2



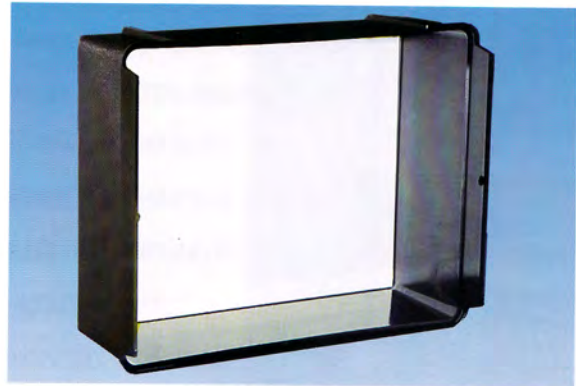
Slide magazines. All Leitz magazines are subjected to continuous quality checks regarding material and dimensional stability. This precaution guarantees reliable, enjoyable projection.



Stacking containers. For the storage of your slides we recommend the Leitz stacking containers for two 60-slide or 80-slide LKM magazines or two 36-slide or 50-slide standard magazines.



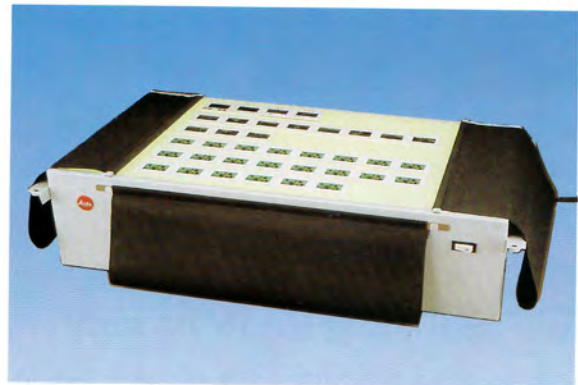
Timer, infra-red remote control. The timer can be programmed for automatic projection with times between 3 and 30 seconds. The PCM infra-red remote control has a range of up to 20 metres.



Hood. The robust plastic hood protects the projector against dust and damage and is sturdy enough to be used as a base. It is supplied with an adhesive white projection surface. This makes it possible to arrange and project slides even in daylight.



Carrying case. This case enables convenient transport and dust-free storage of the PRADOVIT COLOR 2 and lenses up to 250 mm focal length. External dimensions: approx. 370 x 440 x 210 mm (h x w x d).



Light box. The light box is ideal for sorting and assessing slides and negatives. The evenly illuminated area of 400 x 614 mm is sufficient for about 96 35 mm slides.

Dissolve projection – makes your slides even more worth seeing

The magic of dissolve projection lies in the interplay of perfected technology and the creative talent of the individual, who has a multitude of attractive possibilities at his disposal: such as smooth transition from picture to picture due to the soft dissolve, mixing – the so-called “third picture” – ultra-fast picture change and other

impressive effects. And then of course the brilliant optical/acoustic projection: the synchronized, programmed playback in stereo with tape or cassette recorder. For dissolve projection with two PRADOVIT COLOR 2 projectors Leitz has two electronic control units to

offer – the DU-24 M and the DU-24 P. The DU-24 P has the additional advantage that the control signals can be recorded on tape or cassette for automatic, optically and acoustically synchronized playback. Each of these two instruments is of traditionally high Leitz standard, demanding no less than perfection in all aspects

of performance. With two PRADOVIT COLOR 2 projectors with equally powerful lamps, these two dissolve control units merge into one perfect performing unit. Dissolve projection with this class of projector is a very special visual experience. Because a PRADOVIT COLOR 2 shows what a slide is really worth.



Dissolve unit with DU-24 P



Detailed information on the many possibilities with dissolve projection can be found in the brochure "Dissolve Control Units", Part No. 310-149. A 52 page brochure with 140 illustrations shows in detail how a slide show with sound is put together. This brochure, "Slide projection at its best", Part No. 310-123, can be obtained for a small cover charge.

Dissolve projection is by no means the only way of working with two projectors. Many pictures have a much more powerful effect when they are projected side by side. When these two pictures complement each other to make up a panorama, the result can be simply overwhelming. Another interesting possibility is the superimposition of arrows pointing to certain details when both projectors are aligned on the same image area.



Dissolve unit with DU-24 M

Even without additional dissolve equipment, the greater wealth of information that two projectors can convey will be worth the extra cost, especially in teaching.

Projectors, lenses, accessories – the whole range at a glance

Projector with 24 V/250 W tungsten-halogen lamp, mains cable, remote control, lens mount and lens	PRADOVIT COLOR 2 adjustable for 110/240 V, 50/60 Hz, autofocus, for dissolve projection	Lens separately
35 mm ELMARON® f/2.8 ¹⁾	30 706	37 041
50 mm ELMARIT®-P f/2.8 ^{2) 4)}	30 707	37 011
60 mm ELMARON® f/2.8 ³⁾	30 708	37 004
85 mm ELMARON f/2.8	30 709	37 003
90 mm COLORPLAN® f/2.5	30 710	37 005
90 mm COLORPLAN-CF f/2.5	30 711	37 015
120 mm ELMARON f/2.8	30 712	37 022
120 mm ELMARIT-P-CF f/2.8	–	37 012
150 mm ELMARIT-P f/2.8	30 713	37 017
150 mm ELMARIT-P-CF f/2.8 ⁶⁾	–	37 013
200 mm ELMARON f/3.4 ^{4) 6)}	30 714	37 009
250 mm ELMARON f/4	30 715	37 082
300 mm EPNOR f/4.3	30 716	34 837
60 – 110 VARIO-ELMARON-P f/3.5 ^{5) 6)}	–	37 026
110 – 200 VARIO-ELMARON-P f/3.5 ^{4) 5) 6)}	–	37 027
Projector housing separate	30 697	–

1) Only up to 24 x 36 mm format and 45 slides in the LKM magazine or 30 slides in the standard magazine.

2) Only up to 24 x 36 mm format, not for 80-slide LKM magazines or 50-slide standard magazine.

3) Up to 40 x 40 mm useful format, not for the 80-slide LKM magazine or 50-slide standard magazine.

4) Can be used with the 50 – 200 mm standard condenser.

5) Only up to 24 x 36 mm format.

6) Diameter 42.5 mm.

Lens mounts
for the following focal lengths
35 – 200 mm
250 mm
300 mm

Code No

37 119
37 130
34 640

Interchangeable condensers
for the following focal lengths
35 mm
50 – 200 mm
250 – 300 mm

37 223
37 224
37 225

Accessories for the projection of super
slides in the 40 x 40 mm format

Interchangeable condensers
for the following focal lengths

60 – 200 mm 37 227
250 – 300 mm 37 228
Aspherical lens 37 226
Hood for lenses of up to 120 mm 37 985
Instrument cable, replacement 37 644
Carrying case 37 961
Infra-red remote control PCM 37 983
Timer 37 981
Light box 16 792
DU-24 P Dissolve control unit 37 637
DU-24 M Dissolve control unit 37 971
Console for dissolve projection 37 972

Magazines

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



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