

SUPER-CINELUX 2 / 50 mm 1,97 in
70 mm FILM 8 perf



SUPER-CINELUX 70

16 lenses with focal lengths of 29 to 100 mm for 70 mm film, aperture f/2.0 to f/2.8



The exclusive 70 mm premium format requires the best possible lens quality



The 70 mm film with much larger images requires a substantially larger image circle and also makes much higher demands on the resolving power of the lenses. The Super-Cinelux 70 series for 70 mm film meets these demands to perfection.

The film image area on 70 mm film can be up to 10 times larger and can show up to 10 times as many details – provided that the projection lens offers such a high resolving power. The Super-Cinelux 70 lenses with six, seven and more lens elements are optimized for this demand and for the largest screen formats. The image field curvature is adapted to the film curvature in the projector and provides the highest possible sharpness, which is also very uniform, over the full format up into the image corners. A further increase in the MTF values has been made possible by the use of high-quality optical glass. An innovative optical design reduces the distortion and the lateral chromatic aberration.

The Super-Cinelux 70 lenses have a mount diameter of 70.65 mm and are often used with a 4" special tube (101.6 mm) – see Accessories on page 24.

The main area of application for these lenses can be found in theme parks, attraction cinemas and planetariums. Their exceptional imaging also makes them a popular choice for simulations and for professional medium-size transparency projections.

In the longest focal length region of more than 100 mm, this lens series is supplemented by the Cinelux-Ultra lenses which are available for 70 mm film in the focal lengths 105 to 150 mm with fine focal length steps of 5 mm - see page 11.

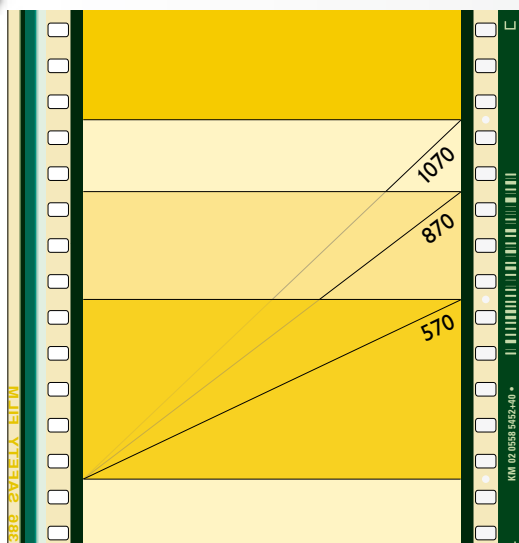


SUPER-CINELUX 70 2,8/29



SUPER-CINELUX 70 2/65

14
15



All three 70 mm film formats in original size. Format 570 provides a wide screen image without an Anamorphot while formats 870 and 1070 provide a larger image height.



This symbol indicates that the cine-lenses project 70 mm film formats either with image heights up to 5 or up to 8 or up to 10 perforations without vignetting.

Quoting the film sizes

To ensure that a film size can be projected without vignetting, the projection lens must have an image circle diameter that is at least as large as the film image diagonal.

However, quoting an image circle diameter is not customary. It is rather the film width in millimeters which is quoted as an indication of the maximum film image format for a lens, with this width being preceded by the number of perforations as the image height. For instance, the number 535 indicates that the lens can project images up to 5 perforations in height on 35 mm film without loss.