



CINELUX PREMIÈRE ANAMORPHIC

21 lenses with focal lengths of 42.5 to 100 mm, stepless aperture setting f/1.7... f/4.0



The brightest anamorphic lenses for extremely large Cinemascope® screens



Cylinder lenses are the essential optical components of an anamorphic system. They widen the projection angle horizontally without altering it vertically (as the model on this page does) or they compress the angle vertically without altering it horizontally (as the Tele-Cinelux Anamorphic 0,5x on page 21 does).

These lenses are composed of the excellent Cinelux Première base lenses and the proven ES-Cinelux-Anamorphic 2x attachment lenses and are designed for extremely large screens. They represent the fastest Cinemascope® combinations and are characterized by, among other things, extremely good imaging (detail reproduction, modulation transfer) thanks to the use of aspheric lens elements.

The sensational light output due to the large aperture and high transmission and the ideally uniform light distribution (see also the figures at the bottom of page 5) provide the brightest possible image with substantially lower drop-off to the corners than previously possible even with the largest screens and with the shortest base lens focal length of 42.5 mm.

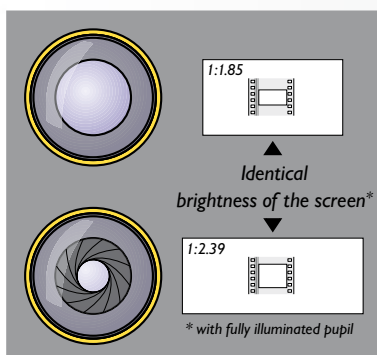
The variable iris diaphragm of the Cinelux-Première base lenses (see page 5) can be used, on the one hand, for the individual adaptation of the illumination with different film sizes and for the balance of the brightness loss due to lamp ageing and, on the other hand, both for the increase of the depth of field for screens with greater curvature and for a further improvement in the uniformity of illumination.

The focusing and its locking take place at its front with the supplied special tool and can also be carried out with the lens in place. The special tool prevents accidental displacement by unauthorized persons.



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With correctly adjusted illumination optics of the projector, a variation range of 2.5 f-stops between the fully open aperture f/1.8 and f/4 allows the setting of the aperture for identical brightness of the image for all film and screen formats used in the same movie theater.

Balancing the brightness

When film formats of different sizes have to be projected at different imaging scales for the respective optimum utilization of the screen size, different image brightness values will normally result. This problem is now a thing of the past thanks to an iris diaphragm which is steplessly adjustable from f/1.7 to f/4.0, that is over 2.5 f/stops.

To achieve the largest possible uniform brightness with all film formats used, the aperture of the lens is fully opened for the film size projected in the largest imaging scale and is then stopped down to identical brightness for the other sizes.



The iris diaphragm can be steplessly adjusted at this setting ring of the base lens Cinelux Première both for the brightness adjustment and the increasing of the depth of field.

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