





the first time completely unite all main characteristics such as focus, contrast, colour saturation, colour uniformity and compactness together with a high speed rating and low aperture-induced focus shift. Additionally the new lens standard was optimized for close-focus, where to date conventional optical concepts have clearly been weak.

THE ENTIRE FOCUSING RANGE





















ARRI ULTRA PRIMES













Unified Colour Characteristics: Super-Colour-Matched

It goes without saying that the optical glasses were especially selected to ensure unified colour characteristics. As the inventor of optical anti-reflex coating, Carl Zeiss however augments this with a T* multiple-layer anti-reflex coating system for individual lens surfaces, which is adapted so that the colour characteristics (Color Contribution Indices) of all lenses of the entire se lie close together with very narrow tolerances. Put simply the ULTRA PRIME lenses are super colour-matched

Precision focusing with constant Optical Length, without Backlash

All lenses in this set have a rigid, very robust housing. The overall length is constant over the entire focusing range. The completely new focus drive mechanics are particularly sensitive and free of backlash.

Iris and Focusing Rings without axial Displacement

The rigid construction creates the prerequisite for an important advantage: the position of the gears for focus and iris does not move axially during focusing. External motor units thereby work more simply and wit considerably increased reliability. Also, lens changing becomes much easier, faster and safer.

A NEW OPTICAL STANDA

Nine-bladed and ten-bladed Irises

The iris on the ULTRA PRIME lenses is a new design and practically free of hysteresis error. The 135mm focal length employs a tenbladed construction, the other focal lengths a nine-bladed design. The contours of the aperture are better rounded, and the depiction of unsharp light sources on the film thereby more round than angular - i.e. more natural and aesthetic than technical.

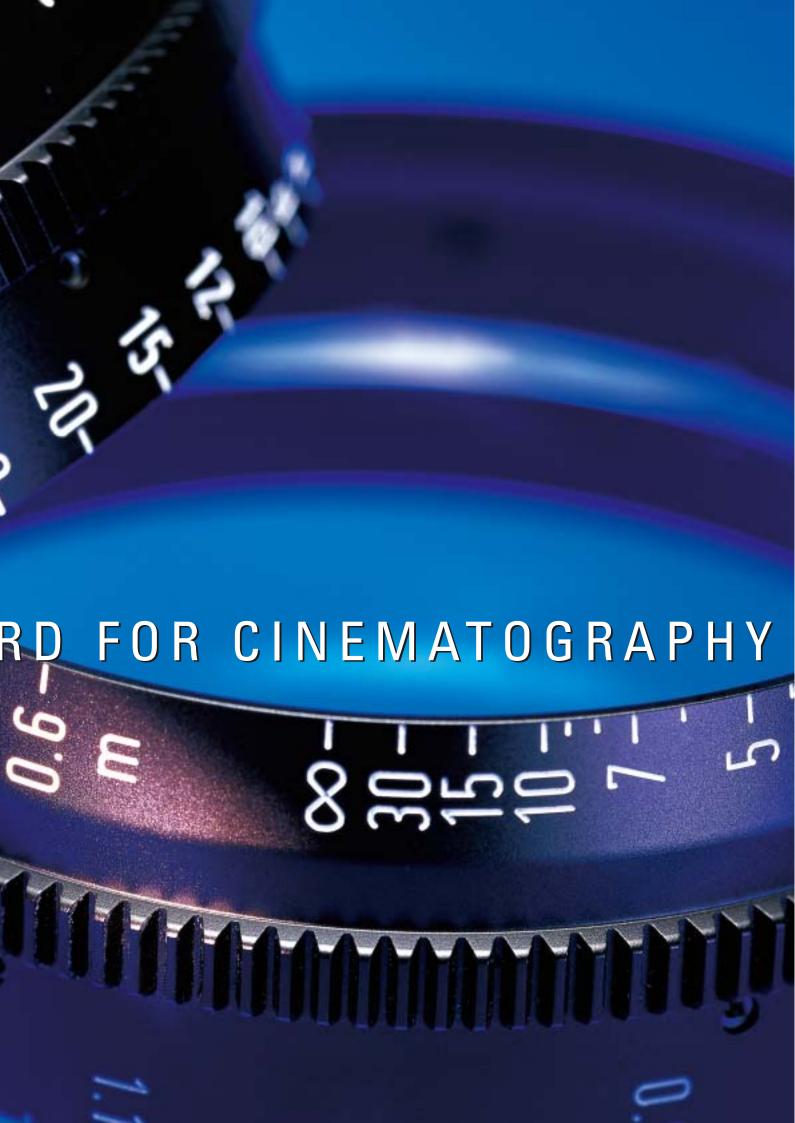
A Concept to meet today's Demands

Quick, sure and efficient operation is more important than ever for today's film productions. Lenses also play an important role in simplifying their tasks. Some advantages of the new lenses at a glance:

- Maximum contrast and resolution over the entire focal range.
- Uniform and constant position of the scales.
- The scales can easily and clearly be read from both sides, as can be the focal length.
- Scales in m or ft can be easily exchanged.
- Uniform overall length of the main focal lengths.
- Uniform weight of the main focal lengths.
- Service-friendly modular design with easily exchangeable front and back elements.

The uniform design principle also offers the rental house many advantages: a high level of modularity simplifies service and reduces necessary tooling equipment and spare parts stock.





TECHNICAL DATA

	closest								horizontal image angle	
lens	focus setting meter	g feet	length in mm	front diameter	weight in lbs	number of lenses	number of groups	MTF value 10 Lp/mm at ∞	18 x 24	16 x 22
Distagon 2.0/10	0.35	1	195	156	6.4	16	13	> 90 %	100.2°	90.8°
Distagon 1.9/12	0.3	1	192	156	4.4	16	12	> 90 %	90.2°	85.2°
Distagon 1.7/14	0.22	3/4	164	114	4.0	14	12	> 90 %	80.6°	75.6°
Distagon 1.7/16	0.24	3/4	143	95	3.1	14	12	> 90 %	75.6°	70.8°
Distagon 1.7/20	0.28	1	143	95	2.7	12	11	> 90 %	62.8°	58.4°
Distagon 1.7/24	0.30	1	143	95	2.2	12	9	> 90 %	54.2°	50.2°
Distagon 1.7/28	0.30	1	143	95	2.2	11	10	> 90 %	46.8°	43.2°
Distagon 1.7/32	0.35	11/4	143	95	2.4	10	9	> 90 %	41.6°	38.2°
Distagon 1.7/40	0.40	11/2	143	95	2.2	9	8	> 90 %	33.2°	30.6°
Planar 1.7/50	0.60	2	143	95	2.2	8	7	> 90 %	26,2°	24.0°
Planar 1.7/65	0.65	2 1/4	143	95	2.2	7	6	> 90 %	21.0°	19.2°
Planar 1.7/85	0.90	3	143	95	2.2	8	7	> 90 %	16.5°	15,2°
Planar 1.7/100	1.00	3	143	95	2.7	8	7	> 90 %	13.7°	12.6°
Planar 1.7/135	1.50	5	170	95	3.5	8	7	> 90 %	10.2°	9.3°
Sonnar 1.8/180	2.60	8 1/2	218	114	5.7	9	7	> 90 %	7.6°	7.0°

