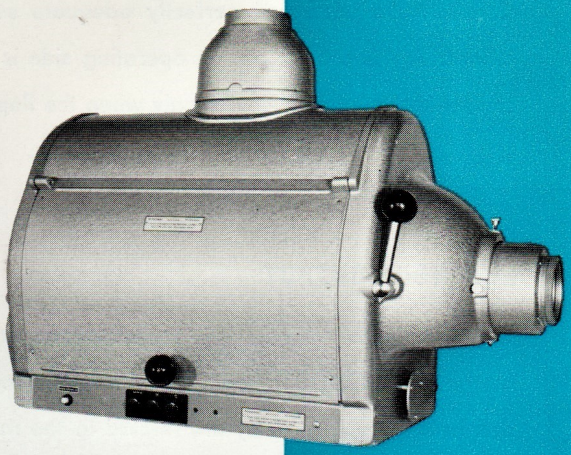
XENOSOL II

The xenon lamp XENOSOL II is intended for small and medium theaters and can be equipped with xenon bulbs XBO 450, 900 or 1600 W, as required.



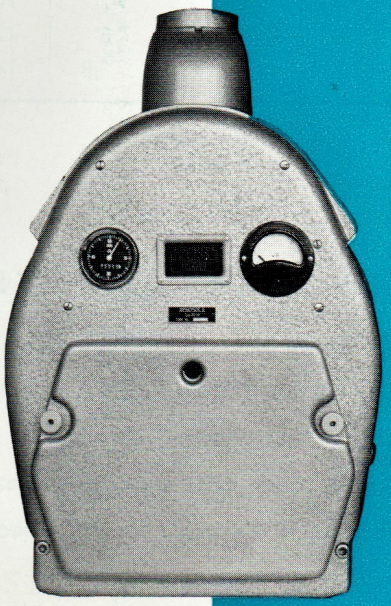
XENOSOL II

CONSTRUCTION

The lamphouse is provided with two flap doors, giving easy access to the lamp interior. The left-hand door can only be opened with a hollow key. In the upper part of the back are the instruments (ammeter and hour meter), and in the lower part is a detachable cover, giving access to the ignition device and the main mirror adjustment. The inner lamp components form a single unit, the XENOBLOCK.

OPTICAL SYSTEM

The XENOSOL II has an adjustable main mirror of 356 mm diameter which can also be supplied as a cold-light mirror. The auxiliary mirror has a diameter of 98 mm. It is guarded against overheating by a separate fan. Adjustment of the auxiliary mirror is by three lateral setting knobs and can be checked through a small optical system. Particularly uniform light distribution can be achieved by means of an accessory, the ZEISS IKON honey-comb condensor.



XENOSOL II, Rear view

IGNITION

The lamp is ignited by means of a button provided on the lamphouse. The ignition device may be supplemented by an automatic device which triggers off repeated ignition attempts, should the bulb fail to fire on transmission of the first ignition impulse. This happens sometimes with old bulbs, and also with some types of rectifier. In automatically operated plants the automatic ignition device is obligatory.

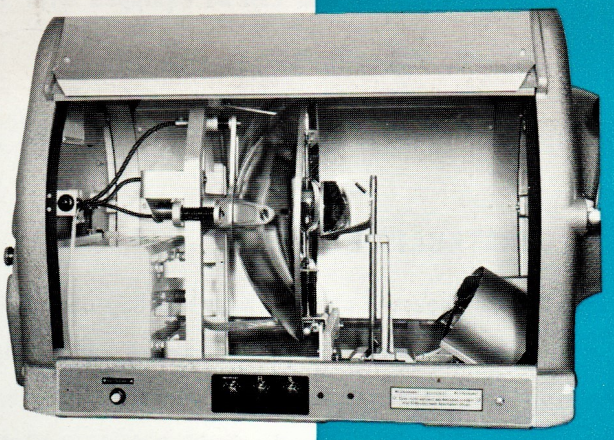
The automatic ignition device also prevents sound interference from ignition.

SAFETY DEVICES

Carefully designed and perfectly adequate safety devices comply with existing regulations. The flap door on the operating side is coupled to a switch which applies mains current to the ignition device only when the flap has been closed and properly bolted.

LUMINOUS OUTPUT

The table below indicates the screen width coverage in metres. Marginal masking has been taken into account in the calculation of these values. They are related to the rated current. The difference between the latter value and maximum current constitutes a standby reserve for ageing bulbs, so that a substantially constant intensity of illumination can be achieved on the screen during the whole life of the bulb.



XENOSOL II, Interior

Luminance factor β	900 W Rated current 42 A (maximum current 50 A)				1600 W Rated current 63 A (maximum current 75 A)			
	Standard and widescreen		CinemaScope		Standard and widescreen		CinemaScope	
	100 asb	120 asb	100 asb	120 asb	100 asb	120 asb	100 asb	120 asb
0,8	5,5	5	8	7	8	7	11	10
1,0	6,5	6	9	8	9	8	12	11,5
1,4	7,5	7	10,5	9,5	10,5	9,5	14,5	13,5
1,8	8,5	8	12	11	12	11	16,5	15
2,5	10	8,5	14	13	14	13	19,5	18

SLIDE-PROJECTION ACCESSORY EQUIPMENT

For the projection of advertising slides, accessory equipment can be supplied which is adapted to the XENOSOL II. The cinematographic light beam, as reflected by the main mirror, is deflected towards the slide via a convex mirror and a plane mirror. The convex mirror also serves as a shutter for obscuring the lamphouse. The slide projection accessory equipment is suitable for the projection of standard as well as wide-screen slides.

ZEISS IKON AG WERK KIEL

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