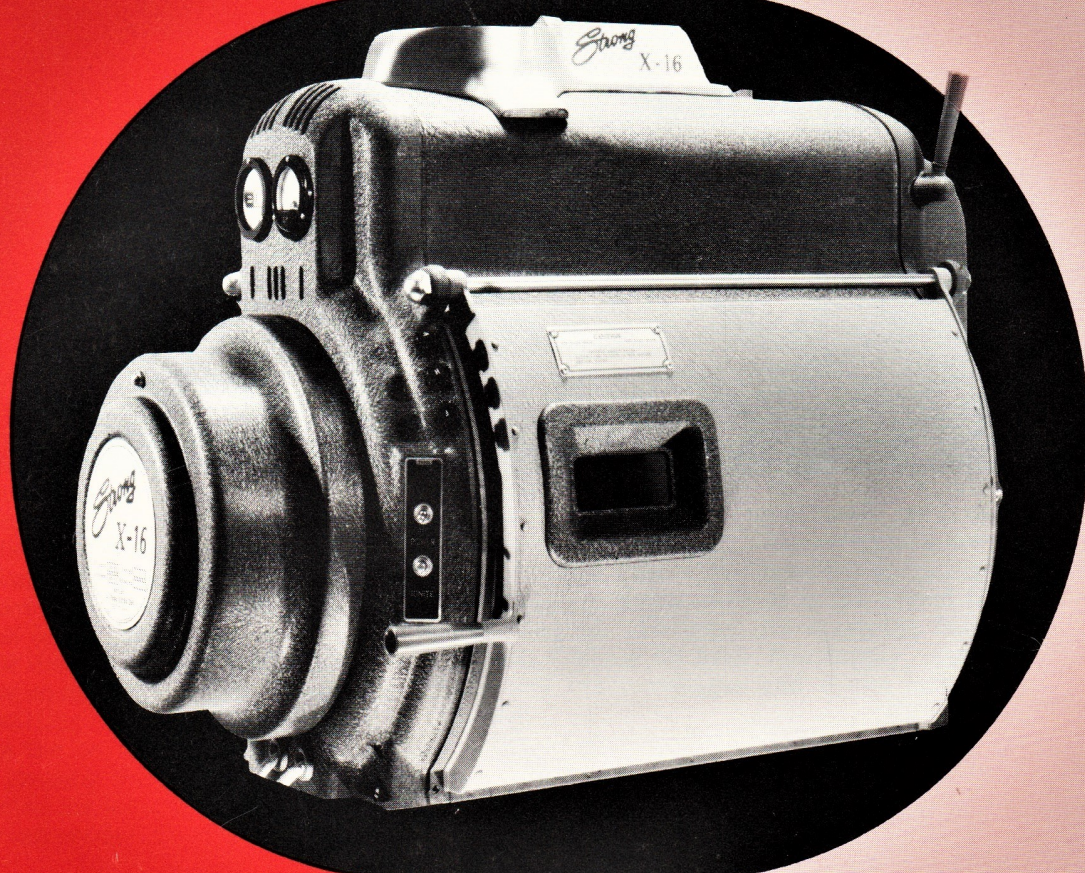


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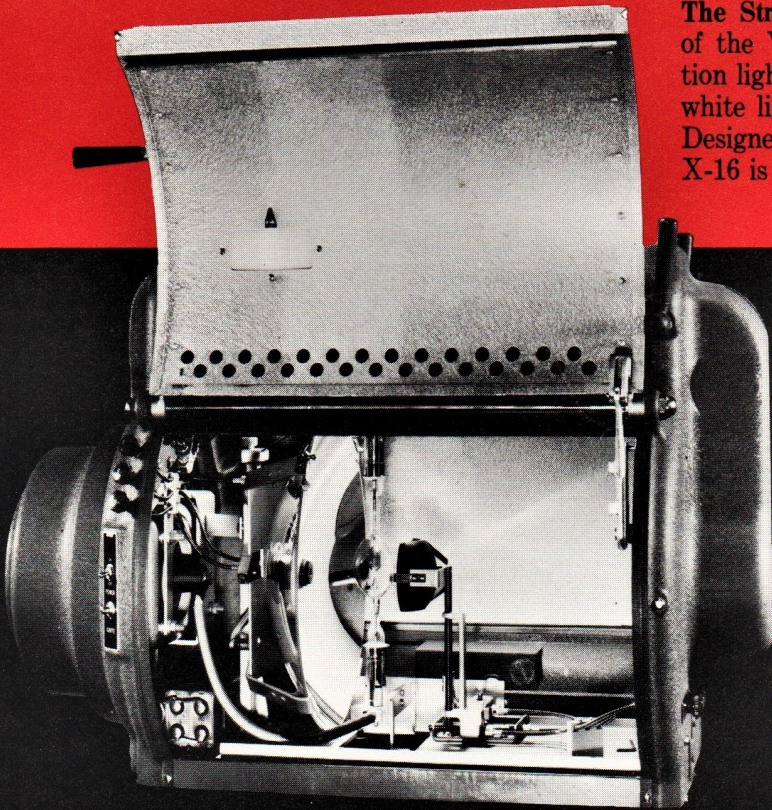


by *Strong*

**a new  
light source  
for  
16 & 35 mm  
Motion Picture  
Projection**



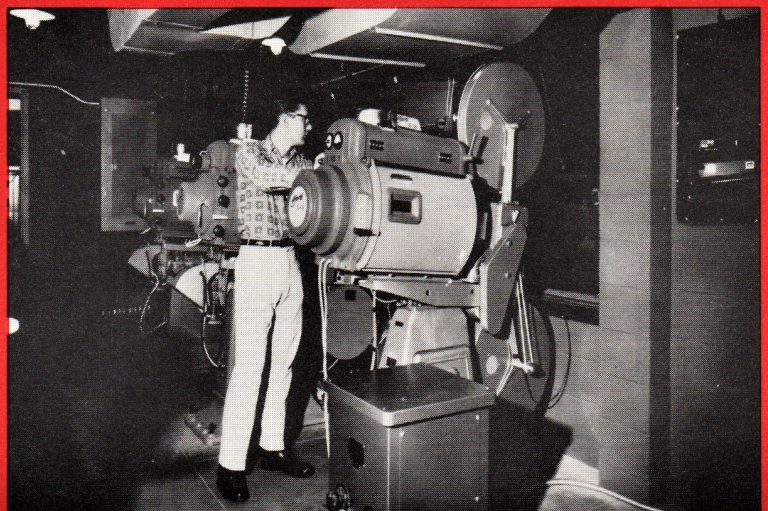
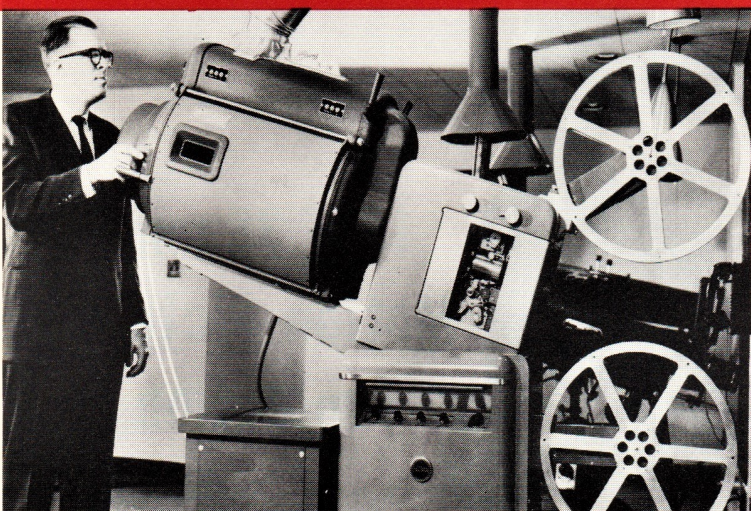
# The *Strong* X-16 XENON



The Strong X-16 Xenon lamphouse, a product of the World's leading motion picture projection lighting manufacturer, produces a uniform white light comparable to carbon arc lighting. Designed for both 16 and 35mm projection the X-16 is available in the following models:

FILM SIZE	MODEL	WATT	MATTE SCREEN*	LUMENS No shutter	LIGHT INTENSITY COMPARES WITH:
16 mm	76003	450	Small size	1400	3000 watt mazda
	76001-CR	900	up to 17' wide	3700	30 to 35 Ampere H.I. Carbon Arc
	76000-CR	1600	up to 24' wide	5500	46 Ampere H.I. Carbon Arc
35 mm	76001	900	up to 19' wide	4500	30 to 35 Ampere H.I. Carbon Arc
	76000	1600	up to 32' wide	9000	46 Ampere H.I. Carbon Arc
	76002	2500	up to 36' wide	12500	55 Ampere H.I. Carbon Arc

\*Maximum screen size dependent upon screen reflectance and lenses used.



THE *Strong* ELECTRIC CORPORATION  
A Subsidiary of General Precision Equipment Corporation



# ARC LAMP and RECTIFIER

Strong X-16 Xenon projection lamp systems are easy to operate, requiring practically no attention from the operator once the bulb is ignited. Once adjusted this light source provides "pushbutton repeatability" of screen light intensity and color. There are no moving parts such as gears to wear out, no reflector deterioration because of copper drippings and no dirt or soot. The complete absence of dirt assures longer projector life. Xenon cost per hour of operation, bulb and power costs based on 1500 hour guaranteed bulb life (actual life expectancy is over 2000 hours), is about the same as power and carbon costs per hour of a carbon arc lamp-house projecting the same amount of light as the Xenon bulb.

## LAMPHOUSE

Strong X-16 Xenon lamphouses, Type 76000, utilize Osram Xenon bulbs as a light source and are designed to mount on any 35mm and most 16mm projectors presently capable of using carbon arcs. A 14" diameter main reflector and a smaller auxiliary reflector project maximum light from the bulb to the film aperture with a minimum of heat. Strong X-16 lamphouses designed for 16mm projection use Strong Tuf-Cold interference coated main reflectors to reduce heat at the aperture. All Reflector focus controls are located outside the lamphouse for operator convenience.

An ammeter indicates bulb operating current and a time recording meter indicates the actual number of hours each bulb is used. An image of the arc is projected to a viewing screen on the operator's side of lamphouse. A built-in dowsers protects the aperture from heat while the lamphouse is ignited and on standby.

A built in ignitor designed with a protective device to eliminate sound system interference provides correct starting voltage. The bulb is started by turning the on/off switch to "on" position and then pressing the ignition button. These control switches are located conveniently on the back of the lamphouse. Once the bulb is

ignited and the lamphouse is properly focused for best uniformity of field no further attention is required. A safety switch prevents operation of the lamphouse with the door open.

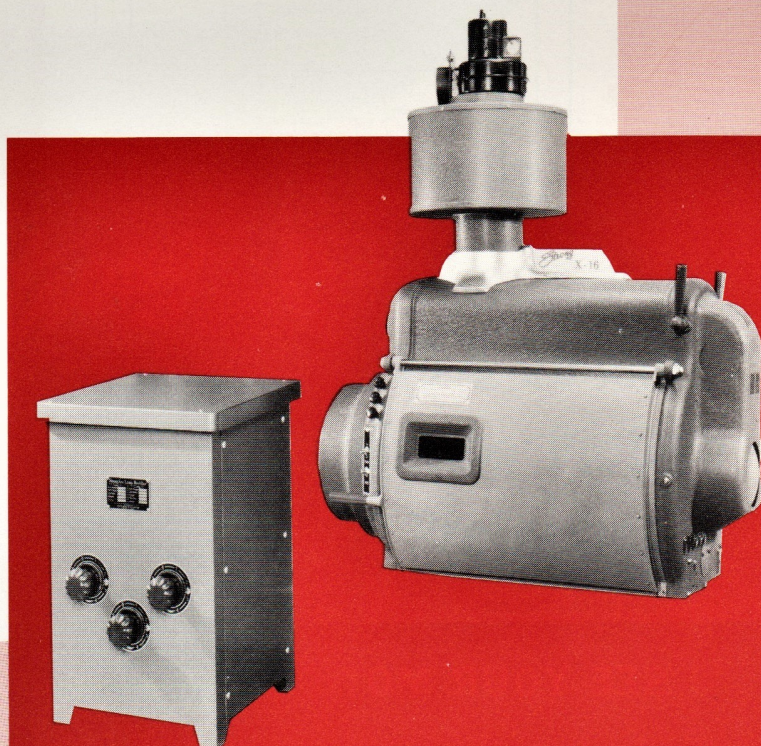
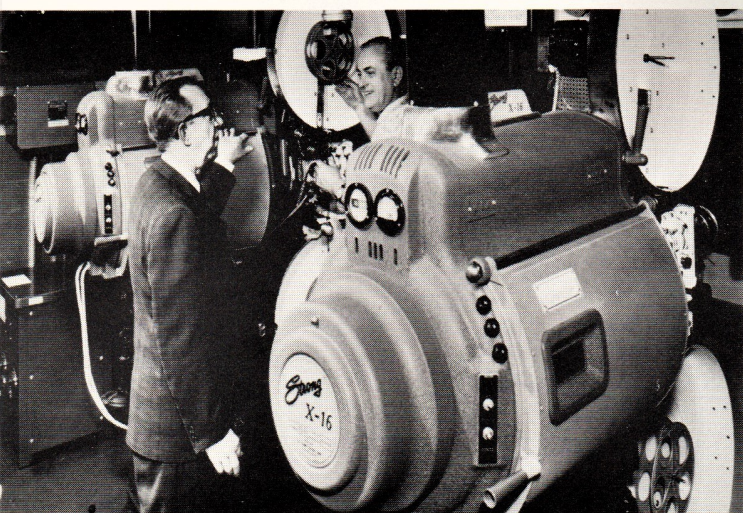
Xenon lamphouses when installed should be vented by ductwork to exhaust outside the building. If this is not possible a Strong Type 23555 Ozone Filter, developed by Strong Electric to eliminate the need for ductwork, is available for installation on X-16 lamphouses.

## LIGHT SOURCE

The Osram Xenon bulb is a quartz envelop containing two tungsten electrodes in a pressurized Xenon gas atmosphere. The bulb produces a steady pure white light with daylight color quality (color temperature 6000° Kelvin) resulting in excellent color film projection. The useful life of a bulb will terminate when it can no longer be ignited. The bulb is guaranteed on a prorated basis for 1500 hours with a life expectancy of over 2000 hours. The 1500 hour guarantee is extended by the bulb manufacturer *only* when the bulb is used with an approved power supply.

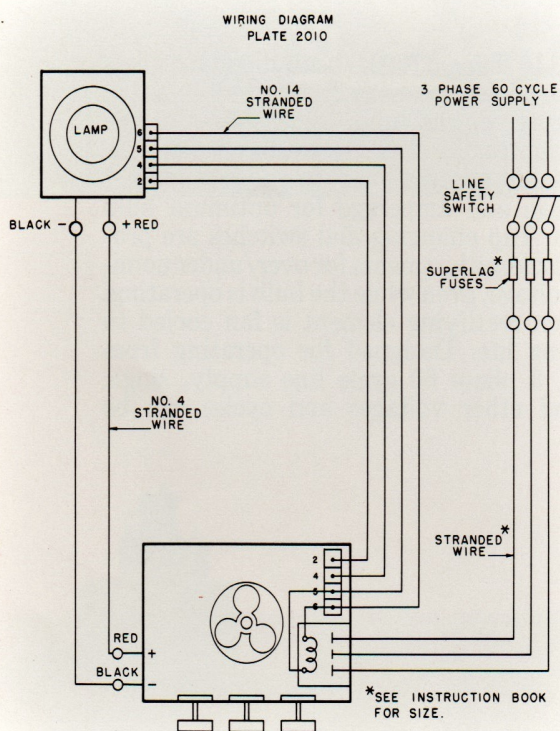
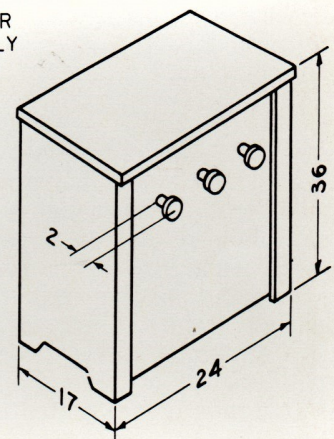
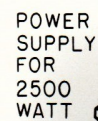
## POWER SUPPLY

Strong X-16 Type 77000 silicon diode rectifiers are approved for use with Xenon bulbs by the manufacturer of the bulb, under terms of the bulb guarantee. Models are available for each size bulb and are designed to provide correct DC voltage and amperage for optimum bulb operation. Tap changing dial switches are provided to make adjustments for over/under nominal line voltage, even while the bulb is operating. The silicon rectifying element is fan cooled to assure long life. Designed for operating from 230 volt, 3 phase 60 cycle line supply, single phase and other voltages and cycles can be supplied.



87 CITY PARK AVENUE  
TOLEDO, OHIO • 43601





FOR 450-900 & 1600 WATT MODELS

450 Watt Lamp 115 lbs.	Rectifier 265 lbs.
900 Watt Lamp 140 lbs.	Rectifier 270 lbs.
1600 Watt Lamp 140 lbs.	Rectifier 280 lbs.
2500 Watt Lamp 140 lbs.	Rectifier 310 lbs.

**SEE YOUR MOTION PICTURE DEALER FOR A DEMONSTRATION  
OR CONTACT THE FACTORY**