

Film-Tech

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JAXLIGHT™

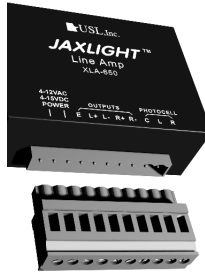
Installation Instructions

for XLS-650K/XLB-650K/XLC-650K LED and Line Amp Kits

- Standard American Projectors
- Christie Projectors
- Cinemeccanica Projectors
- Kinoton Projectors
- Norelco AA2 Projectors

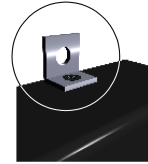


XLS/B*-650 Lamp
U.S. Patent No. 5,600,206
Worldwide Patents Pending



XLA-650 Line Amp

Mounting L Bracket**



The XLS-650 LED exciter lamp replaces BXM and BXN exciter bulbs used in the following projectors:

- Ballantine/Strong
- Century R2, R3
- RCA 1040/1050 (adapter required)
- RCA 930/950 (Dual Bulb)
- Simplex 5 Star, SH-1000, SH 1006

* The XLB-650 LED exciter lamp replaces BXM and BXN exciter bulbs and has the locking ring reversed (locking ring can be reversed in the field). The XLB-650 is used in the following projectors:

- Christie/Universal Projector
- Simplex SH-1200, SH-1226 (Dual Bulb)

** The Mounting L Bracket (supplied, in circle above) is secured to the XLA-650 Line Amp with the supplied sheet metal screw, which replaces any of the three screws securing the XLA-650 cover. Mount the assembly to any suitable screw in the projector.

JAXLIGHT™

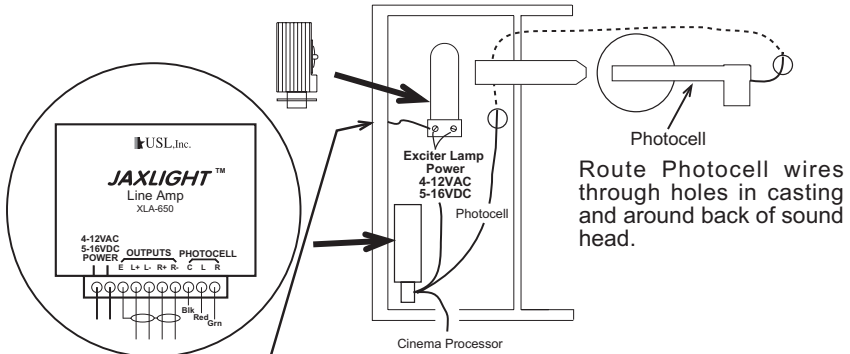
Installation Instructions

1. Insert **JAXLIGHT™** into exciter lamp socket.
2. Connect photocell leads to **JAXLIGHT™** line amplifier.
3. Connect output lines to cell inputs on cinema processor.
4. Connect jumper wires from lamp socket to power input of line amplifier.
5. Make sure **JAXLIGHT™** is centered for maximum output.
6. Run 50% test tone loop and set preamp level.

WARNING!! Do not look directly into light. May cause eye damage.

Christie/Universal Soundheads

XLB-650K LED and Line Amp Kit



Note: to reduce hum, tie one side of exciter lamp power supply to projector case.

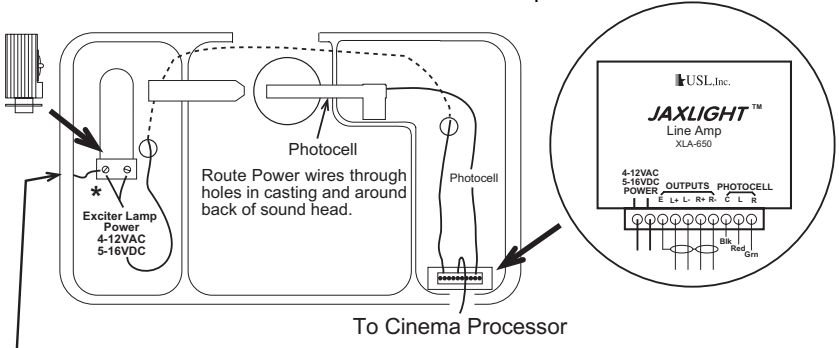
Cinemeccanica Soundheads (BXM Lamp)

XLC-650K LED and Line Amp Kit

In order to install **JAXLIGHT™** in Cinemeccanica soundheads you will need the newer style exciter lamp housing. Line amp gain is set for a boosted 16kHz response (A-jumper), internally. The wiring is the same as other installation procedures.

Century/Simplex/RCA Soundheads

XLS-650K LED and Line Amp Kit



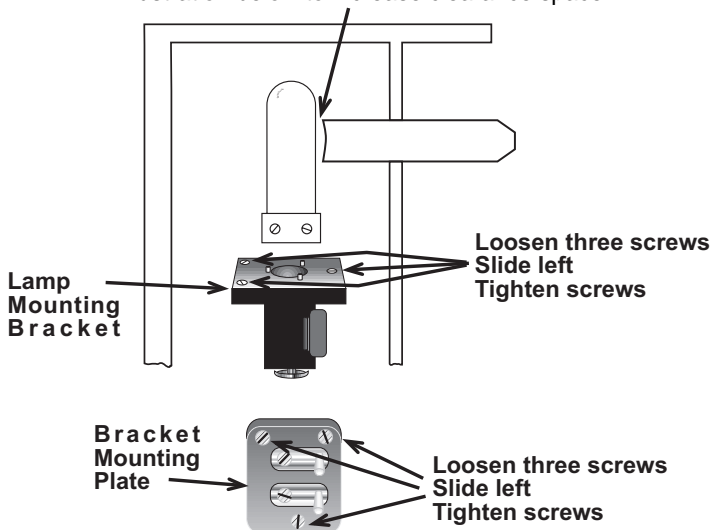
Note: to reduce hum, tie one side of exciter lamp power supply to projector case.

* Certain soundheads may have their exciter lamp socket reversed. If this is the case, rotate the mounting flange on the bottom of the **JAXLIGHT™** 180 degrees and reattach by means of the other three tapped mounting holes.

* RCA projectors require adapter ring.

Clearance Warning - Simplex Soundheads

If clearance is very close, **JAXLIGHT™** lens could be scratched. Follow instructions in illustration below to increase clearance space.



Troubleshooting

Hum

- Four conductors and a shield must be used from the *JAXLIGHT™* line amp to the cinema processor. Use either a pair of two-conductor shielded cables or a four-conductor shielded cable (Belden 8404 or equivalent). A single two-conductor shielded cable will cause hum.
- Under some conditions, it may be necessary to ground one side of the exciter power supply to the projector frame to avoid hum. Proper grounding of soundhead is required.
- Stray ambient light could cause hum or noise. It may be necessary to adjust room light to minimize hum.

Specifications

XLS-650/XLB-650/XLC-650 LED Lamp

Input voltage: 4-12 VAC; 5-16 VDC 50/60Hz

Input current: 300ma @ 7VDC

Light source: Red LED @ 660nm

XLA-650 Line Amplifier

Input voltage: 4-12 VAC; 5-16 VDC 50/60Hz

Input current: 100ma @ 7VDC

Light source: 3mv RMS -50dbm with 200 ohm preamp load

