

LIGHTING QUICK HANG

Two different students per team- Each student in allowed **1** try.

Lighting Quick Hang: Individuals will successfully hang and focus an ETC Source4.

Successful completion of this challenge is achieved when: The lighting instrument is properly secured to the pipe including a safety cable attached. Light is plugged in, Gobo is focused and color is dropped. Shutters are adjusted to the shape marked out on the cloth.

FOR SAFETY: Lighting Quick Hang Team Members must wear gloves.

Personal gloves are permitted; Standards leather work gloves (ACE Version) will be available for use.

Personal wrenches are permitted; Crescent style adjustable wrench will be available for use.

LIGHT HANG SAFETY STEPS: REQUIRED ORDER 2-7

1. Technician steps over the Starting Line Wearing Gloves and Carrying a Wrench
TIME STARTS
2. Pick up lighting instrument, place C-CLAMP over the pipe at the designated hanging location. *The opening of the C-CLAMP will be facing toward team member.*
3. Finger tighten the C-CLAMP bolt.
4. Attach the SAFETY CABLE through the YOKE and around the pipe.
5. Tighten the C-CLAMP bolt so that it is secure on the electric pipe.
C-Clamp bolt should be no tighter than 1/4 turn past finger tight.
6. OPEN ALL 4 of the shutters in the fixture.
7. Plug the 3-PIN Connector into the designated CIRCUIT.
8. The following steps can be completed in ANY order:
Insert Gobo Holder, Insert Color Frame, Adjust Focus, Adjust Shutters
9. When focus is complete Technician runs over the Starting Line.

TIME STOPS

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How to focus an ellipsoidal

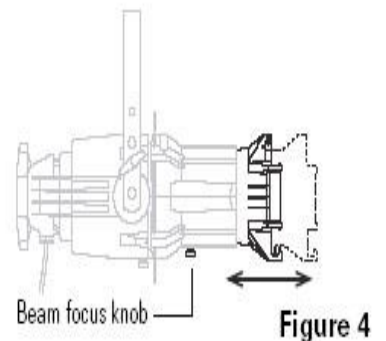
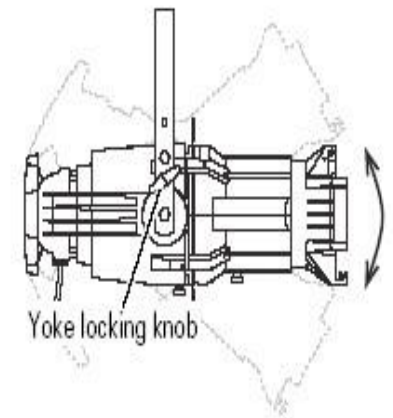
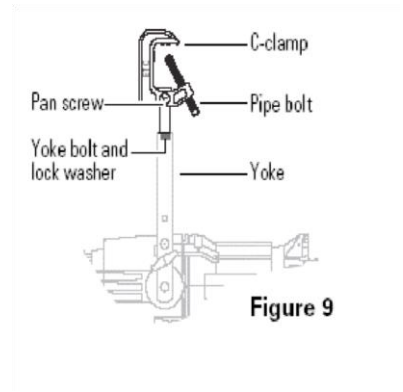
1. Adjust the **PAN** of the unit so that it is set in the desired location.
2. Adjust the **TILT** of the unit so that it is set in the desired location.
3. **FOCUS** the **BEAM** to the desired beam edge.
4. Using the **SHUTTERS** and the rotation knob as necessary, shape the beam of light to the desired shape and angle.
5. Make sure all nuts, handles and knobs are tightened so the instrument does not **DROP FOCUS**.
6. Drop **COLOR** in to the color slot of the instrument

How to set the angle within the yoke

1. Loosen the yoke locking knobs. (Do not remove them.)
2. Tilt the fixture to the desired position.
3. Tighten the yoke locking knobs to secure the fixture in position.

How to focus the beam

1. Loosen the beam focus knob located under the barrel.
2. Slide the lens tube forward or backward to achieve the desired beam edge.
3. Once the fixture is focused, tighten the beam focus knob.



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PENALTIES

SAFETY STEPS OUT OF ORDER (See required order-Pg.1)	20 Seconds
Instrument upside down	15 Seconds
No safety cable / not properly attached	15 Seconds
C-Clamp NOT TIGHTENED	15 Seconds
Focus & Barrel knob NOT TIGHTENED:	15 Seconds
Shutter cut not accurate /wrong angle	5 Seconds PER SHUTTER
SOFT focus- GOBO MUST have sharp edges	10 Seconds
Forgot GOBO	20 Seconds
Backwards GOBO	15 Seconds
Forgot gel frame/color	20 Seconds
Dropping items, placing items on floor, items in mouth	20 Seconds PER ITEM
Blatant disregard for the rules	2 MINUTES

STAGECRAFT, 50.0500.20 ARIZONA CTE PROGRAM TECHNICAL STANDARDS

The Arizona Career and Technical Education Quality Commission, the validating entity for the Arizona Skills Standards Assessment System, endorsed these standards on January 25, 2018

STANDARD 1.0 RECOGNIZE STAGECRAFT FUNDAMENTALS THAT MAKE A PRODUCTION SUCCESSFUL

- 1.1 Identify the technical aspects of theatrical production
- 1.3 Identify the technical roles and their responsibilities to the production process

STANDARD 8.0 DEMONSTRATE PRODUCTION LIGHTING TECHNIQUES

- 8.1 Practice appropriate safety lighting protocols including electrical, rigging, etc.
- 8.8 Hang and focus lighting instruments including cabling
- 8.9 Identify basic lighting accessories (i.e. barn doors, irises, top hats, gel frames, gobo, etc.)

STANDARD 10.0 PERFORM TASKS NECESSARY TO SUPPORT THE PRODUCTION

- 10.1 Demonstrate stage safety protocols
- 10.4 Establish and use proper backstage decorum
- 10.5 Implement the care and upkeep of the performance space and work areas