Lighting Quick Hang *Individual Event*

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

*In this challenge, individuals will be asked to successfully hang and focus an ETC Source 4. All equipment and tools will be provided. You may bring and use your own gloves and wrench if you would like. (Note: no speed wrenches are permitted.) Successful completion of this challenge is achieved when the unit is secured properly to the pipe, powered on, and correctly focused to the shape marked out on the wall.

How to hang a lighting fixture (ellipsoidal) (Steps in order required for this event)

1. Place **C-CLAMP** over the pipe at the designated hanging location.
   The opening of the C-clamp should be facing downstage of the electric pipe that the unit is hung on.
2. Finger tight the pipe bolt
3. Attach the **SAFETY CABLE** through the **YOKE** and **around** the electric pipe.
4. Tighten the pipe bolt and adjust the C-clamp as necessary so that it is secure on the electric pipe.
   Pipe bolt should be no tighter than ¼ turn past finger tight.
5. Pull all of the shutters in the fixture to open.
6. Plug the **TAIL** of the lighting instrument into the designated **CIRCUIT**.

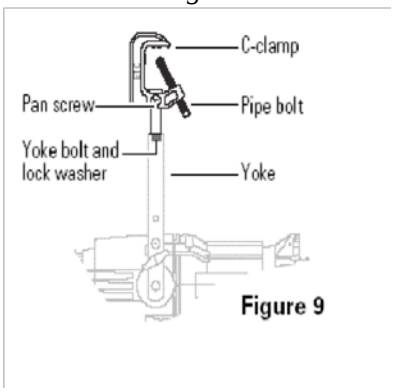
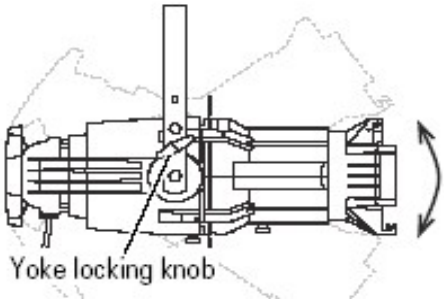


Figure 9

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.

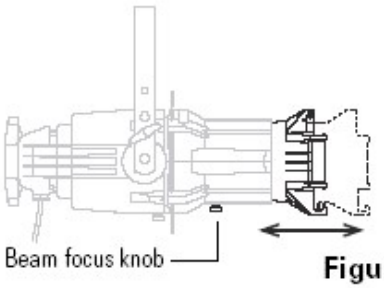


Figure 4

How to rotate the angle within the fixture

1. Loosen the rotation-locking knob. (Do not remove it.)
2. Rotate the barrel of the fixture left or right to the desired position.
3. Recheck the focus of the beam for sharp or soft focus and then tighten the rotation-locking knob to secure the fixture in position.

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Recommended order:

1. Step over start/end line
   (Indicated by tape on the floor)
2. Locate Fixture
3. Hang Fixture
4. Hand tighten C-clamp
5. Install safety cable
6. Wrench tighten C-clamp
7. Wrench tighten yoke bolt
8. Open shutters
9. Plug in fixture
10. Position fixture –
    (Rotation and basic focus)
11. Tighten fixture:
    (Tighten pan screw / rotation knob)
12. Adjust Barrel to Sharp Focus
13. Adjust Shutter cuts to required shape
14. Drop in pattern holder
15. Check GOBO orientation Adjust focus as needed
16. Drop in gel frame
17. Step over start/end line

APPLICABLE **CTE** STANDARD APPLICATION

1.5: IDENTIFY PREVIOUS AND CONTEMPORY PRODUCTION TECHNIQUES

3.1: EMPLOY SHOP SAFETY PROTOCOLS

6.5: IMPLEMENT THE HANG

7.1: EMPLOY APPROPRIATE SAFETY PROTOCOLS, INCLUDING ELECTRICAL, RIGGING, ETC…

10.1: PRACTIVE STAGE SAFETY PROTOCOLS, INCLUDING ERGONOMICS

10.4 ESTABLISH AND PRACTIVE PROPER BACKSTAGE DECORUM

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PENALTIES

SAFETY STEPS OUT OF ORDER (see section "A")	20s
Instrument upside down	15s
No safety cable / not properly attached	10s
NOT TIGHTENED: Clamp	15s
NOT TIGHTENED: Focus & Barrel knob	5s
Shutter cut not accurate / wrong angle	5s **PER SHUTTER**
Dull focus- GOBO MUST have sharp edge	10s
Forgot GOBO	10s
Backwards GOBO	10s
Forgot gel frame	10s
Dropping items, placing items on floor, items in mouth	10s PER ITEM
Blatant disregard for the rules – see coordinator	2 MINUTES