

IATSE LOCAL 728

STUDIO LIGHTING TECHNICIANS

Chartered in 1939, IATSE Local 728 is the only Union in the world solely dedicated to the art of lighting motion pictures.

Why join a Labor Union:

Labor Unions advocate for their members safety and wellbeing. They insure a living wage, health and retirement benefits, and that employers provide safe working conditions.



How to become a member of IATSE Local 728:

You must work 30 "permitted hire" days for a signatory producer and be placed on one of two industry rosters in order to qualify for membership in IATSE Local 728. (NOTE: You can not be color blind to join.)

Types of productions members of IATSE Local 728 work on:

- Music Videos
- Sitcoms, Episodic Television, and some reality shows.
- Live Shows like *Talent Competition Shows*, and *The Academy Awards*, etc.
- Feature Films

Job Classifications:

There are many different types of jobs you can do as a member of IATSE Local 728, depending on your interest and skill sets. Some of the job classifications are:

- **Chief Lighting Technician (CLT or Gaffer):** The head of the Lighting department. Responsible for lighting the set, and maintaining lighting continuity/look throughout the production.
- **Assistant Chief Lighting Technician (ACLT):** An ACLT is responsible for the hiring of the crew, and maintaining equipment.
- **Set Lighting Technician (SLT):** The Set Lighting Technicians are the ones who do the rigging, and place the lights where the Gaffer or Director of Photography asks them to be.
- **Lighting Programmer:** A Lighting Programmer is responsible for operating the Lighting Console, and saving/playing back the looks of the different scenes.
- **Underwater Lighting Technician:** Same as a SLT, except underwater. You must have a diving certification to be qualified for this type of work.
- **Other Job Classifications include:** Condor Operator, DMX Technician, Fixture Technician, Lighting Control Technician, Rigging Crew, and many more.

For more Information about IATSE Local 728 go to: iatse728.org



Class exercises:

-Using the Power Formula:

(P (watts))

$$\frac{\text{P (watts)}}{\text{E (120 volts)}} = I \text{ (amps)}$$

Calculate how many amps are being used by the following:

2,000 Watts=

5,000 Watts=

10,000 Watts=

-Using the Paper load:

$(\text{Wattage}/100) = \text{approximate amperage}$

Calculate how many amps are being used by the following:

2,000 Watts=

5,000 Watts=

10,000 Watts=

Three point lighting: This is the most traditional lighting setup, and comprises of three distinct types of light positions: *Key Light*, *Fill Light*, and *Backlight*.

- **Key Light:** This is the primary and brightest light source in the three-point lighting setup. It gives a scene its overall exposure.
- **Fill Light:** The fill light, like its name says, fills in the shadows that the key light creates on a subject. Sometimes it's not a light, but a passive bounce.
- **Backlight:** Also known as an 'Edge Light' or 'Rim Light', is used to create separation between the subject and the background, and gives a sense of depth.

Color Temperature: The spectrum of color temperatures is assigned numerical values, measured in degrees of Kelvin. These values are used to describe the color emitted from fixtures (lights) when working with lighting.

List three examples of how lighting can convey the tone of a scene:

1. _____

2. _____

3. _____

