

LIGHT BOARD OPERATOR

PURPOSE AND NATURE OF WORK

Position is responsible for developing and implementing proper lighting of a variety of shows at a performing arts center. Work involves setting-up, designing, patching, gelling, cueing, and testing of lights before and during events, and may require night or weekend work. Position reports to the Stage Manager and acts as lead worker over a crew of temporary employees performing technical work for stage performances.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Receives and reviews pre-designed lighting schematics and cues from production companies and sets-up lights as specified. Prior to performance, runs cable, sets-up and installs lights, connects dimmers, focuses lights, and installs gels. Programs lighting cues into the system for sequential execution of lighting during a performance and assures that the lighting script follows the cue sheet. Utilizes a light board and computer system to change lights on cue and verbally directs temporary employees manually operating lights. Performs light checks to make sure that all lights are working and focused correctly prior to performances. Makes repairs to related equipment as required. Maintains lighting instruments and all aspects of the lighting system. Keeps board updated to the most current operating system, fixes dimmers and instruments, and orders replacement parts. Integrates touring production's lighting systems to center's own via DMX protocol and Strand network. Keeps inventory of replacement lamps and gels up to date. Makes recommendations for lighting purchases and upgrades. May originate lighting designs and cues for artistic lighting of events. Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Considerable knowledge of stage lighting instruments and their function.
Considerable knowledge of voltage and wattage needed for lighting instruments.
Considerable knowledge of related computer lighting boards, programs, dimmer systems and related computer equipment.
Considerable knowledge of the occupational hazards and necessary safety precautions applicable to the area of assignment.
Ability to read, interpret, and work with lighting blue prints, rough drafts, and schematics to pre-set and properly perform lighting needs for varied events.
Ability to troubleshoot and correct lighting problems during live performances.
Ability to read, interpret and work with different types of cue sheets, channel charts and patching charts.
Ability to transform general verbal pictures described by clients into successful lighting design to enhance events.
Skill in the use and care of standard tools and equipment of the trade.
Ability to establish and maintain effective working relationships with other employees, clients, and the general public.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from high school supplemented by vocational or technical training in theatre or

technical stage lighting and design, and experience working in stage lighting operations of a public assembly facility; or any equivalent combination of training and experience.