

Lighting Reference Guide

Before electricity became sufficiently widespread and economical to allow for general public use, gas lighting was prevalent for outdoor and indoor use in cities and suburbs where the infrastructure for distribution of gas was practical. At that time, the most common... 8d8faf803e Lighting... 8d8faf803e

Lighting control console A lighting control console (also called a lightboard, lighting board, or lighting desk) is an electronic device used in theatrical lighting design to A lighting control console (also called a lightboard, lighting board, or lighting desk) is an electronic device used in theatrical lighting design to control multiple stage lights at once. They are used throughout the entertainment industry and are normally placed at the front of house (FOH) position or in a control booth 8d8faf803e

Bicycle lighting A third purpose may be to illuminate the roadway so that the rider can see the way ahead. Serving the latter purposes require much more luminous flux and thus more power. Bicycle lighting is illumination attached to bicycles whose purpose above all is, along with reflectors, to improve the visibility of the bicycle and its Bicycle lighting is illumination attached to bicycles whose purpose above all is, along with reflectors, to improve the visibility of the bicycle and its rider to other road users under circumstances of poor ambient illumination. A secondary purpose is to illuminate reflective materials such as cat's eyes and traffic signs 8d8faf803e

For studio photography purposes, the term "gobo" has come to refer to any device that casts a shadow, and various pieces of equipment that go in front of a light (such as a gobo arm or gobo head). 8d8faf803e Track lighting was invented by Anthony Donato of Lightolier. Donato received the first patent related to track lighting in 1961. 8d8faf803e

Track lighting Track lighting is a method of lighting where light fixtures are attached anywhere on a continuous track device which contains electrical conductors. This Track lighting is a method of lighting where light fixtures are attached anywhere on a continuous track device which contains electrical conductors. Tracks can either be mounted to ceilings or walls, lengthwise down beams, or across rafters or joists. They can also be hung with rods from especially high places like vaulted ceilings. This is in contrast to directly routing electrical wiring to individual light positions 8d8faf803e

Many jurisdictions require one or more bicycle lights to be fitted to bicycles ridden at night — generally a white light in the front and a red light at the back, like with other vehicles. 8d8faf803e Efficiently achieving an acceptable CRI has been the most difficult metric for more modern light bulbs attempting to replace older incandescent bulbs. It is therefore frequently ignored in marketing (the CRI value only occasionally appears on product packaging). Light bulbs with a high CRI can be acceptable replacements for incandescent... 8d8faf803e

Lighting design The LD also works closely with the stage manager or show control programming, if show control systems are used in that production. theatre, a lighting designer (or LD) works with the director, choreographer, set designer, costume designer, and sound designer to create the lighting, atmosphere In theatre, a lighting designer (or LD) works with the director, choreographer, set designer, costume designer, and sound designer to create the lighting, atmosphere, and time of day for the production in response to the text while keeping in mind issues of visibility, safety, and cost. Outside stage lighting, the job of a lighting designer can be much more diverse, and they can be found working on rock and pop tours, corporate launches, art installations, or lighting effects at sporting events 8d8faf803e

Stage lighting Several different types Stage lighting is the craft of lighting as it applies to the production of theater, dance, opera, and other performance arts. Stage lighting is the craft of lighting as it applies to the production of theater, dance, opera, and other performance arts. In addition to basic lighting, modern stage lighting can also include special effects, such as lasers and fog machines. Several different types of stage lighting instruments are used in this discipline. People who work on stage lighting are commonly referred to as lighting technicians or lighting designers 8d8faf803e

Gobo (lighting) photographer's guide to lighting with color (1st ed.), Rocky Nook, ISBN 978-1-68198-312-7 McKenzie, Joy; Overturf, Daniel (2010), Artificial lighting for photography A gobo is an object placed inside or in front of a light source to control the shape of the emitted light and its shadow 8d8faf803e

In a theater production, lighting technicians work under the lighting designer and master electrician. In video, television, and film productions, lighting technicians work under the direction of the gaffer or chief lighting technician who takes their direction from the cinematographer. In live music, lighting technicians work under the lighting director. All heads of department report to the production manager. 8d8faf803e CRI is a quantitative measure of a light's ability to reproduce the colors of objects faithfully in comparison with an ideal or natural light source. In general terms, CRI is a measure of a light source's ability to show object colors "realistically" or "naturally" compared to a familiar reference source, either incandescent light or sunlight. 8d8faf803e Indoor lighting is usually accomplished using light fixtures, and is a key part of interior design. Lighting can also be an intrinsic component of landscape projects... 8d8faf803e The equipment used for stage lighting (e.g. cabling, dimmers, lighting instruments, controllers) are also used in other lighting applications, including corporate events, concerts, trade shows, broadcast television, film production, photographic studios, and other types of live events. The personnel needed to install, operate, and control the equipment also cross... 8d8faf803e

Lighting Lighting or illumination is the deliberate use of light to achieve practical or aesthetic effects. Daylighting (using windows, skylights, or light shelves) is sometimes used as the main source of light during daytime in buildings. Proper lighting can enhance task performance, improve the appearance of an area, or have positive psychological effects on occupants. This can save energy in place of using artificial lighting, which represents a major component of energy consumption in buildings. Lighting includes the use of both artificial light sources like lamps and light fixtures, as well as natural illumination by capturing daylight. Lighting includes the use of both artificial light Lighting or illumination is the deliberate use of light to achieve practical or aesthetic effects 8d8faf803e

High-CRI LED lighting High-CRI LED lighting is a light-emitting diode (LED) lighting source that offers a high color rendering index (CRI). CRI is a quantitative measure of High-CRI LED lighting is a light-emitting diode (LED) lighting source that offers a high color rendering index (CRI) 8d8faf803e

Lighting technician google. com Stage Lighting Design: A Practical Guide, Neil Fraser An electrical lighting technician, or simply lighting technician, is involved with rigging stage and location sets and controlling artificial, electric lights for art and entertainment venues (theatre or live music venues) or in video, television, or film production. crew Stage Lighting Design: The Art, the Craft, the Life, by Richard Pilbrow on books 8d8faf803e

In theatrical lighting, however, the term more specifically refers to a device placed in "the gate" or at the "point of focus" between the light source, called a lamp, and the lenses (or other optics). 8d8faf803e

Gas lighting Gas lighting is the production of artificial light from combustion of a fuel gas such as natural gas, methane, propane, butane, acetylene, ethylene, hydrogen Gas lighting is the production of artificial light from combustion of a fuel gas such as natural gas, methane, propane, butane, acetylene, ethylene, hydrogen, carbon monoxide, or coal gas (sometimes called town gas). The light is produced either directly by the flame, generally by using special mixes (typically propane or butane) of illuminating gas to increase brightness, or indirectly with other components such as the gas mantle or the limelight, with the gas primarily functioning to heat the mantle or the lime to incandescence 8d8faf803e

Lighting technicians are responsible for the movement and set up of various pieces of lighting equipment for separation... 8d8faf803e All lighting control consoles can control dimmers which control the intensity of the lights. Many modern consoles can control Intelligent lighting (lights that can move, change colors and gobo patterns), fog machines and hazers, and other special effects devices. Some consoles can also interface with other electronic performance hardware (i.e. sound boards, projectors, media servers, automated winches and motors, etc.) to improve synchronization or unify their control. 8d8faf803e

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