

Nicole Wiggins

302729

EVM 301

Darren Dreger

Technical Dictionary

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Cover Letter

This booklet is a technical dictionary I have made for my technical production class. In this dictionary, it has definitions for all sorts of lighting, audio, power/rigging, video, and staging/tenting/special effects equipment. This dictionary also contains photos for each item and the photos source so in the future you can go back and find more info on the item on its website.

Lighting:

1. Ellipsoidal (Leko): Another name for it is a Source four fixture. Does not require programming. Has interchangeable lenses. Produces a narrow tightly focused beam of light for podiums or signage. Most adjustable light. Most common light used in the industry. Good for gobos and for projecting hard and soft light. Conventional



Source: Aaron, /. "The Brightness." *The Brightness* -. N.p., 30 May 2013.

Web. 25 Feb. 2017.

2. Follow Spot: A spot light is a beam of light that is moved by an operator to follow a certain person or focus on a certain object. Conventional.



Source: "Chauvet LED Follow Spot 75 ST with Collapsible Stand." *HB Pro Sound*.

N.p., n.d. Web. 25 Feb. 2017.

3. Flood light (Scoop): It is a conventional light, it's less directional and provides more of a wash look to fill up a wall or something with light.



Source: "LED Flood Lights." *Alert Stamping*. N.p., n.d. Web. 25 Feb. 2017.

4. Fresnel: This lights lens has a stepped look with soft edges that creates soft shadow rather than a flat appearance with sharp edges. Most often used for back light or side light. Uses barn doors. Cannot project patterns or adjust the lens.



Source: <http://www.lupolux.com/photography/products.html>

5. Gobo: A steel or glass disc that is inserted into a light fixture to project a shape or pattern.



Source: "American DJ 12W Gobo Projector LED Indoor Gobo Effect Projector Light." *Amazon.co.uk: Musical Instruments*. N.p., n.d. Web. 22 Feb. 2017.

6. Intelligent light: Lights that can move without a person physically moving them. Usually used for dances. Can change their own colors by themselves, no need for gels. Remotely controlled by computers. Has built in patterns and colors. Is able to move around 360.



Source: "Intelligent Stage Lighting Equipment & Moving Light Sales." *ProductionGear.com.au*. N.p., n.d. Web. 22 Feb. 2017.

7. LED light: Light Emitting Diode, good for only having a limited amount of power available, doesn't get hot like other lighting.



Source: "Are Light Emitting Diodes (LED) E-waste?" / *Be Waste Wise*. N.p., 05 Jan. 2017. Web. 23 Feb. 2017

8. Lighting Director (LD): A person that controls all the lighting for an event, that sits in the back and makes sure all the lights do what they are suppose to do.



Source: Daley, Dan. "Lighting the Grammy Awards." *PLSN*. N.p., n.d. Web. 22 Feb. 2017.

9. Lighting Gel: A coloured piece of material that are placed in front of a standard light fixture to change the colour of the light being projected.



Source: <http://www.spearone.com/blog/wp-content/uploads/2014/02/Gel-Lighting.png>

10. Par Can: Provides general wash or flood lighting of flat light evenly over a wide area, they are oval shaped and conventional.



Source: "How to Make a Cheap Home Made Par Can." *Instructables.com*. N.p., 29 Mar. 2010. Web. 21 Feb. 2017.

11. Pin Spot: A light that is used to focus your attention on a object or person. It has a narrow beam of light coming out of it that has clean sharp lines.



Source: "LED Pinspot 2." *LED Pinspot 2 LED Pinspot 2 - Low Priced LED Lighting at Pro Sound Depot*. N.p., n.d. Web. 25 Feb. 2017.

12. Search Light: They're large bright lights that can be seen from very far away that can move around. They are generally pointed up at the sky to attract attention. Example: they have them at Play Land (PNE)



Source: "Sperry Searchlight in Action." *Fort Mott Park Association*. N.p., 19 Dec. 2016. Web. 23 Feb. 2017.

Audio:

13. Equalizer: EQ, it adjusts different sound frequencies. Similar to a sound board.



Source: "2-Channel Tube Equalizer." *TL Audio EQ-2 - 2-Channel Tube Equalizer*. N.p., n.d. Web. 25 Feb. 2017.

14. Lavalier: A small microphone that is discrete and attaches to your shirt, used for speakers that don't want to hold a microphone in their hand.



Source: "IRig Mic Lav Review – IK Multimedia Bring an IOS-friendly Lavalier Mic to Their Product Line." *Music App Blog*. N.p., n.d. Web. 24 Feb. 2017.

15. Line Array: It is a group of different types of speakers attached together.



Source: "SXA18P." *Alto Professional - World-class Loudspeakers, Mixers, and Live Performance Gear*. N.p., n.d. Web. 25 Feb. 2017

16. Mixer: A device that is used to combine and control the volume of a variety of input signals such as CD players and microphones



Source: <https://www.pitbullaudio.com/soundcraft-si-compact-16-audio-mixer-console-digital-professional-16-channel.html>

17. Monitor: It is a speaker that is used when you don't have very much money to spend on speakers, its essential. It sits on the ground usually facing the stage during a performance. Has a built-in amplifier.



Source: <http://www.pulse-audio.co.uk/5051259008885.shtml>

18. Podium Microphone: It is a microphone that sits on a podium so you can put items on it such as notes for if you have someone saying a speech they have not memorized.



Source: <http://www.rentsher.com/product/bangalore/rostrum-podium-mic-rent-online>

19. Simultaneous interpretation: A translation booth that can have multiple different people interpreting many different languages to people on the audience that have a headset on depending on what language they speak they will have different headsets. The people in the booths listen to the speaker that's live on stage and puts the speech into the language that are assigned to do into the microphone.



Source: <https://winndowwww.wordpress.com/2013/03/19/simultaneous-interpretation-booth/>

20. Snake: Acts as an extension cord that connects to all audio signals on the stage to the equipment at the audio console. It is designed to less in the amount of cables used. It has channels on it.



Source:

<http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwi4qpy4vLHSAhUY12MKHVbuDPEQjB0IBg&url=http%3A%2F%2Fwww.anewtechnology.com%2Fdb6c8b-snake-audio-quick-shopping&bvm=bv.148073327,d.cGc&psig=AFQjCNHdhovkCZ8VtMfCDeONimpLLiC9Qg&ust=1488325941960669>

21. Sub-Woofer: A speaker that only produces low frequency or bass sounds.



Source: <https://www.newegg.com/Home-Audio-Speakers/SubCategory/ID-494>

22. Unidirectional Microphone: A type of microphone that is most sensitive to sound directly in front of it, they only pick up good quality sound from one part of the microphone (the voice side).



Source: <http://www.learningaboutelectronics.com/Articles/What-are-unidirectional-microphones>

23. Wired Microphone: A microphone, for speaking to a great amount of people, that has a wire on the end of it that attaches to a power source. When walking around the cord can get in the way.



Source: <http://www.tacer.biz/inventory/wired-microphone-15-cord>

24. Wireless hand held microphone: A microphone, for speaking to a great amount of people, that has no wire attached to it so you can hold it and walk around freely while talking.



Source: <https://www.scmsinc.com/shop-item/item/slx24-sm58-shure-slx24-sm58-uhf-frequency-agile-wireless-handheld-microphone-system/>

25. Wireless headset: A microphone that sits next to your ear, that comes out in front of your mouth so when you talk it picks up everything your saying.



Source: <https://www.headsets.com/headset/dw-pro2-wireless-headset-system-from-sennheiser-basic-bundle/>

26. XLR cable: A main audio cable typically used for microphones.



Source: <http://www.1001blocks.com/shop/view.php?d=xlr+cable>

Power and Rigging:

27. Camlock: This cable carries high amounts of power, it connects all the equipment being used to the power source/building power.



Source:

https://www.google.ca/search?q=wireless+handheld+mic&biw=1366&bih=643&source=lnms&tbn=isch&sa=X&ved=0ahUKEwjLyor8x7HSAhVflmMKHdXID9oQ_AUIBigB#tbn=isch&q=camlock+cable*&imgsrc=TIHf5CzwB1S7EM:

28. C-Clamp: Attaches to the “yolk” or strap of a light and is used to clamp onto a fixture to hold an object up.



Source: <http://www.armstrongtools.com/clamps-and-lifting-eyes/armstrong-78-115-c-clamp-general-service-pattern-15.html>

29. Chain Motor: This device is used to carry equipment up and down from the trussing.



Source: <http://sapsis-rigging.com/Rentals.html>

30. Cheeseborough: Has the same function as a c-clamp, clamps lighting or other equipment to the trussing or to other objects.



Source: <http://toolmonger.com/2008/03/24/its-just-cool-cheeseboroughs/>

31. Hubble Plug: a cord/plug that helps to provide more power to the venue for a event.



Source: <http://www.downwindmarine.com/Dock-Connectors-Hubbell-Plugs-and-Receptacles-120-208V-p-90891076.html>

32. I-Beam: Looks like a "I", it is a steel beam that has 2 flat surfaces (very strong beam).



Source: <http://www.wisegeek.com/what-is-beam-construction.htm>

33. Scissor Lift: It's a small lift used to raise a lighting technician to the truss line so they can reach all the lights that are rigged to the truss.



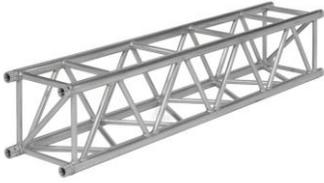
Source: <https://www.simplex.ca/en-CA/tools/scissor-lift-eh2622>

34. SOCA: A cable that is used to carry more power than a regular cable. It is like using one cable for multiple things inside of a whole bunch of cables.



Source: <http://www.stagelightingstore.com/Shop-By-Brand/Socapex>

35. Truss: Metal equipment used in events for rigging lighting fixtures to it, can be flown or ground supported.



Source: <https://www.prolyte.com/en/products/prolyte-structures/heavy-duty-truss>

36. Volt Meter: This device is used to determine if your power source/cable is active (hot) by putting it up to the power source.



Source: http://www.northerntool.com/shop/tools/product_12496_12496

Video:

37. Comfort Monitor: A piece of equipment that shows the speaker his/her lines or presentation in front of them, on a screen, without having to look at the screen/ presentation behind them.



Source: <http://event.engineering/hrg/hrg-pic-2/>

38. Data Projector: A projector that projects computer output onto a screen. It can be rigged to the ceiling or sit on a table.



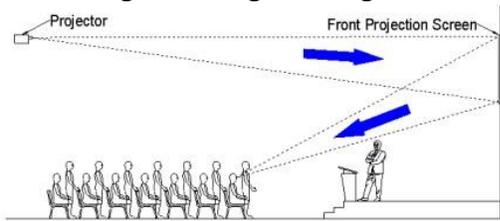
Source: <http://www.ausmedia.com.au/content/epson-eb-w12-wide-screen-data-projector-price>

39. Fast-fold screen: A fold up screen that's light weight and can be flown.



Source: <http://www.projected.co.uk/screens/fastfold-screens.htm>

40. Front Projection: Projection from in front of the screen, screen is white, you can rig it from the ceiling or having it sitting something on the ground projecting onto the screen.



Front Projection

Source:

<http://www.allchurchsound.com/blog/2011/090211.shtml>

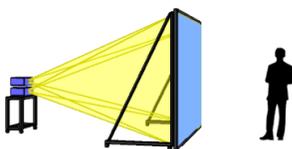
41. Inflatable Screen: A screen that is filled up with air then closed off so the air cannot get out and the screen will stand up from the air inside. Normally used for things like outdoor movies.



Source:

<http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=0ahUKEwju66rhx7PSAhVMwGMKHcBEArwQjhwIBQ&url=http%3A%2F%2Fwww.thebigbouncetheory.com%2Finflatable-movie-screen%2F&bvm=bv.148073327,d.cGc&psig=AFQjCNFMeWd0pL-USTtQRUn2ZgnqINHzlg&ust=1488397697786561&cad=rjt>

42. Rear Projection: Cannot see the projector from the front of the screen, this is generally used if there is no room for the projector in front of the screen. This way of projecting does take up a lot of space which is good if you have a lot of extra space in the venue.



Source: www.gcastd.com

43. Tripod screen: It is a screen attached to a tripod like stand to hold it up for things to be projected onto it. It is the cheapest screen to rent or buy.



Source: <http://windon1999.en.made-in-china.com/product-group/geHJoCiGJrht/Tripod-Screen-1.html>

Staging/ tenting/special effects:

44. Cable Mat: It covers parts of cables in area's where there will be high traffic of people walking through or possibly cars driving over the cables, it protects the cables from being damaged by people or other things.



Source: <http://www.theatrixx.com/en/products/cables-connecteurs/accessoires-cablage/tapis-theatrixx/>

45. Marquee Tent: A tent that requires a permit, has a flag on top generally, you cannot rig lighting inside of it.



Source: "Marquee Tent." *Marquee Tent | DAEWON CANOPIA CO., LTD.* N.p., n.d. Web. 20 Feb. 2017.

46. Maxi Frame: A big tent frame that has clear ceilings and can open the sides, needs a permit, can get very hot inside if used on a sunny summer day. You can rig things to the roof inside.



Source: "Tent: Clear Tent Style." *Pinterest.* N.p., n.d. Web. 20 Feb. 2017.

47. Orchestra pit: A area right in front of the stage that's right in front of the audience.



Source: <http://www.teatroregio.torino.it/en/node/418>

48. Pop up tent: A small easy to set up tent and you can bring anywhere in case its raining and you need some coverage. Does not require a permit, doesn't need to be staked to the ground. Comes in sizes of 10 X10 or 10 X 20 or 20 X 20.



Source: Kparks. "Pop-Up Tent Canopy." *Fun It Up Party Rentals*. N.p., 26 May 2016. Web. 20 Feb. 2017

49. Saddle Span Tent: This tent needs to be secured to the ground, you could use water barrels or concrete blocks to hold it down. It needs a permit.



Source: "SaddleSpans Large Marquees for Events." *Amazing Tent*. Amaroo Media, n.d. Web. 20 Feb. 2017.

50. Spiking: It's putting X's on the stage to show people where to be in the performance or where they should be standing.



Source:
https://upload.wikimedia.org/wikipedia/en/7/7b/Spike_tape2.jpg

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