

Lighting Instruments

A device that produces a controllable light

Ellipsoidal Reflector Spotlight (ERS, Leko)

Narrow Beam for Spots
Long Distances
Internal Shutters



Lamp= Light Bulb

Housing= Container for the lamp that prevents spill

C-Clamp/Pipe Clamp= Hardware used to hang instrument from the electric

Electric= A pipe that lighting instruments are hung from (Proscenium)

Lighting Grid= A network of pipes from which lighting instruments are hung (Black Box)

Yoke= Attached to the housing of an instrument to allow for tilting

Tilt= Moving the instrument up and down (pivots where the yoke meets the housing)

Pan= Rotate left and right (pivots where the yoke meets the C-clamp)

Safety Cable/Chain= Goes around the yoke and the electric in case the C-clamp fails

Shutters= Controls the edges of the beam of light

Gel= Color filter

Gel Frame= Holds gel

Gel Frame Holder= Holds gel frame in lighting instrument

Gobo= Metal template of a pattern

Parabolic Aluminized Reflector (PAR)

Non-focusable
Washes

Altman PAR



ETC SourceFour PARnel

Lens rotates to create spot or flood
Barn door

Spot= Narrower beam of light

Flood= Wider beam of light

Wash= Covering a large area with smooth floods of light

Barn door= Removable external shutters to control direction of light

Cyc Lights

Smooth Wash
Short Distance

Cyc= **cyclorama**= a large drop (cloth) used to surround the stage, usually white

Resources

www.wikipedia.com – LOOK UP THEATRE LIGHTING

www.strandlighting.com – LIGHTS THAT WE HAVE

www.altmanltg.com – ANOTHER BRAND

<http://www.gweep.net/~prefect/pubs/iqp/node58.html> - TECH THEATRE HANDBOOK