

## LIGHTING FOR CINEMA

### UNIT-IV

#### LIGHTING CONTROLS

#### 4.3

#### LIGHTING CONTROLS

(Part - 1 - Barn Door)



### 4.3 Introduction to Barn Door(Part 1. 1)

Barn doors, or occasionally a set of barn doors, are an attachment fitted to the front of a Fresnel lantern, a type of lantern used in films, television, and theatres. The attachment has the appearance of a large set of barn doors, but in fact there are four leaves, two larger and widening on the outside, two smaller and getting narrower towards the outside. They facilitate shaping of the beam of light from the fixture, and prevent the distinctive scatter of light created by the Fresnel lens from spilling into areas where it is not wanted, such as the eyes of audience members.

Barn doors are mounted with a ring that fits inside of the color gel slot on the instrument. Because of this, barn doors have a gel slot built into them, so the light can still be colored. Depending on the size and local practices, barn doors may be attached to the pipe or the instrument with their own safety cable.

In some parts of the UK, Barn doors are referred to as "Harris Flaps"

Barn doors are generally not used with "profile" or "ellipsoidal reflector" spotlights because they have internal shutters which work more effectively. Barn doors are not effective at shaping the light of a PAR lights and a narrower lens would be a better way to do this.



## Barn Door :-

Barn doors provide the most basic control over the placement of the edges of the beam of a Fresnel or open-face fixture. Because the doors are so close to the fixture, the cut is fairly soft (Figure).

Barn doors typically have two large leaves and two smaller triangular ones. When the bigger doors are horizontal, they are said to be “Chinese”; when vertical, we call them “American.” By closing the two large leaves into a narrow slit and folding the small leaves out of the way, you can make a narrow slash. The slash can be horizontal—for an eye light, for example—or turned diagonally to make a slash across a background.

