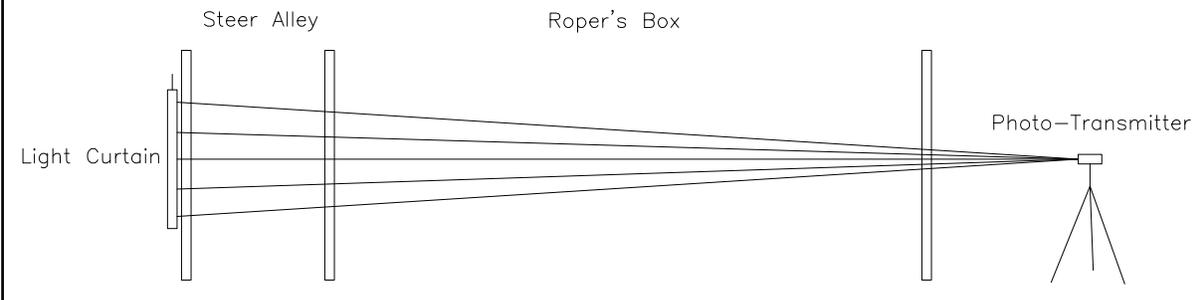


Introduction

The Roping Light Curtain provides a two-foot tall curtain of light across the width of the steer alley to more consistently catch the steer's head whether it is raised or lowered.

The light curtain has five separate light sensors spaced every six inches along a two foot vertical span. The opposing photo-transmitter (light source) is placed at least 15 to 20 feet away across the header or heeler box. This configuration forms a curtain of light across the width of the steer alley as shown below.



It is important to note that the photo-transmitter *must be at least 15 to 20 feet away* from the light curtain. The further the light source is from the light curtain (up to 50 feet or so), the more parallel the curtain of light is across the steer alley.

The light curtain should be mounted at a height such that its two foot vertical span covers the highest and lowest points the steer's head is expected to pass. The curtain can be mounted in a variety of ways including tie-wraps, 1/4-20 screws, or our adjustable Quick-Mounts (not included).

Operation

Installing/Changing the Battery

The light curtain operates over 20 hours from a standard 9 volt alkaline battery. To install a battery, remove the two thumbscrews from the bottom of the light curtain and pull out the bottom cover. Install a new battery as labeled (small "+" terminal towards the outside edge of the light curtain). Lay the battery into the holder, then push the battery in slightly and then down to latch the battery into place.

To remove the battery, push in slightly, then up to pop the battery out of the holder.

Power On/Off

Push the power button at the bottom of the unit to turn on power. The red and green lights on the rear of the curtain alternately flash a few times upon power on. Push the button again to turn off power. Once the curtain is on, if either light is steadily flashing, the battery is low and should be replaced soon.

Alignment

The light curtain should be as vertical as possible and squarely facing the photo-transmitter across the box.

Aim the photo-transmitter at the middle of the light curtain by sighting down either line on top of the eye (left to right alignment), and by sighting down the crack on the side of the eye (up and down alignment). A green light indicates a good alignment, a red light indicates a bad alignment or broken beam.

Light Curtain ID Code

If the light curtain was purchased separately from the system, it must be ID'd into the timer console before it will work. See the "Wireless Electric Eyes" section, "Learning a New ID Code" in your Polaris manual for instructions.

If you also time speed events like barrel racing, or have any other questions, please call us.