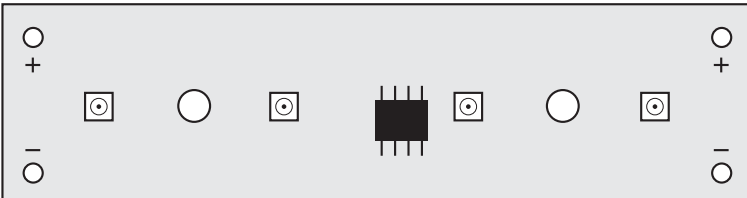


# Backboard Light Strip Installation

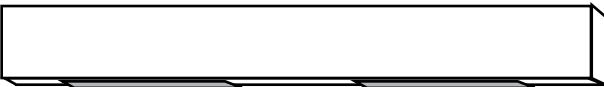
Lightstrip Hanging instructions to 8000 Lightstrip Ready Shotclock



Light Strip with Adhesive and Connectors 1.625"x Various Lengths



Light Strip Segment 3/4"x3" 4 LEDs per segment.



Installation Guide 6"x3/8"x3/8"

**Kit Includes (per backboard):**

- (1) 63" Light Strip (top)
- (2) 36" Light Strips (sides)
- (1) 27" Light Strips (bottom right)
- (1) 27" Light Strips (bottom left)
- (12) Installation Guides
- (1) Y-Adapter for DC Input
- (1) External Wiring Harness
- (1) Zip Ties

**Items Needed for Install:**

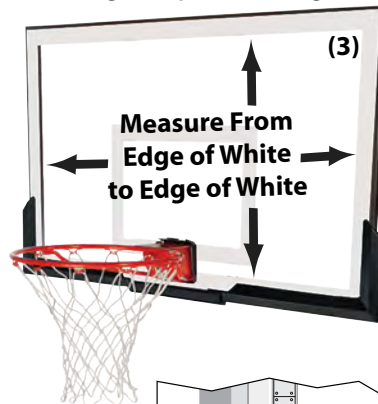
- Regulation Backboard
- Lift System (ladder is not recommended)
- Level
- Tape Measure
- Masking Tape

**Step By Step Instructions:**

**1. Carefully measure dimensions of backboard.**

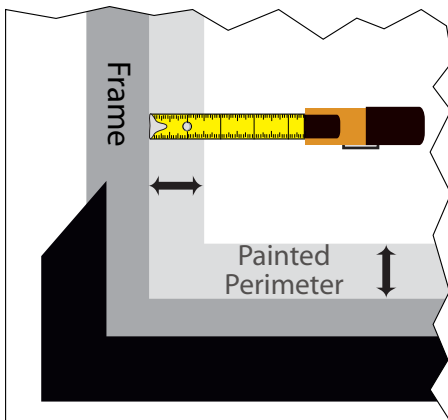
**2. Layout the lightstrips to better plan out installation.** Test all LEDs by plugging them directly into the power supply or by plugging them into a lightstrip-ready board and setting the game time or shot time to zero. Lightstrips will not light if shotclock blanks.

**3. Compare layout to backboard measurements.** Lightstrips will adhere to backboard behind the white perimeter, allowing the LEDs segments to fit inside the white perimeter. If measurements of strips are larger than the space available on the backboard (inside of white outer perimeter), then the wrong size was ordered or the lightstrips will need to be mounted differently (example: behind white perimeter).

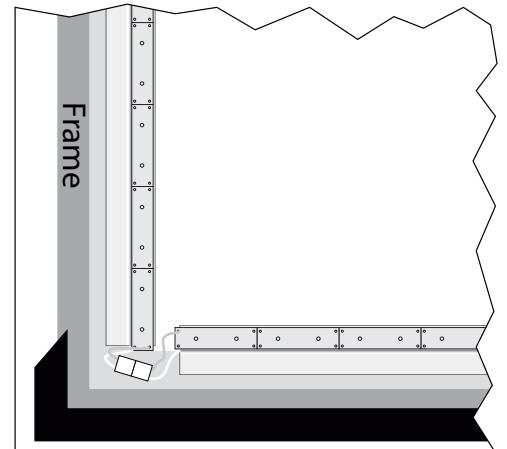


**4. Clean backside of backboard.**

**5. On the backside of the backboard, measure from edge of glass to edge of white perimeter.**



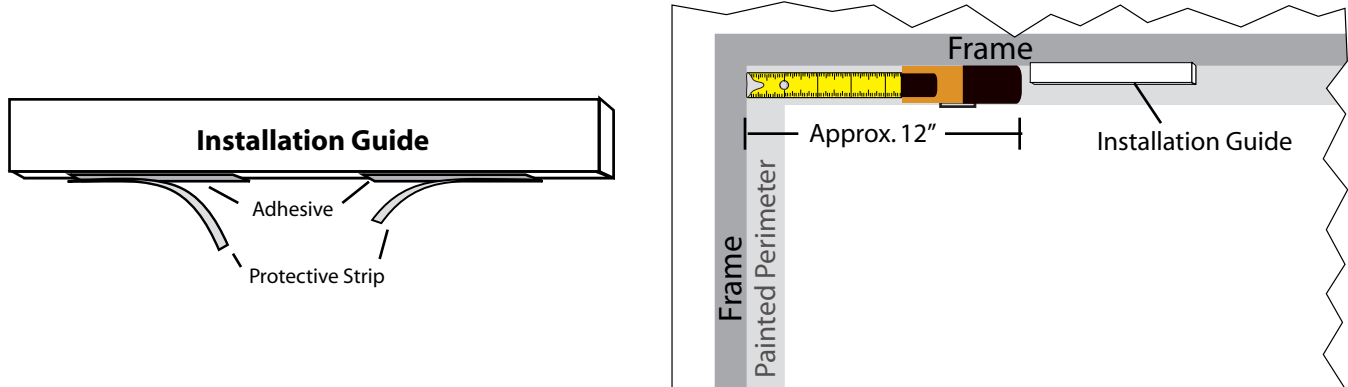
*The light strips should be mounted so the edge of the LED circuit boards touches the edge of the painted perimeter. Use the supplied installation guides to help obtain a constant edge that is parallel of the perimeter (see next pages for details).*



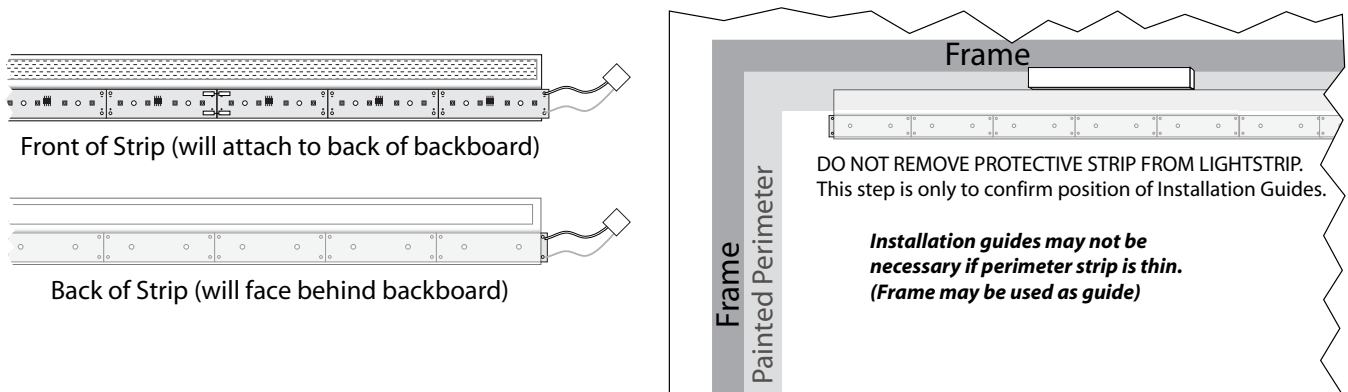
**Step By Step Light Strip Hanging Instructions (continued):**

**6. Locate the Installation Guides** from the lightstrip kit. Each lightstrip contains 10 guides. The guides are intended to be temporarily mounted on the glass along the edge of the metal frame. Actual placement of the strips will depend upon backboard manufacturer, backboard style and personal preference. **Guides may be unnecessary if perimeter is thin** or personal preference is to have the LEDs light up behind the perimeter strip. All American recommends using 4 of the guides along the top edge, and 2 guides for each of the remaining strips. See illustration below reference.

**7. Remove adhesive on one Installation Guide and place along the top edge of the glass** approximately 12" from the metal edge on either side of the backboard (see illustration below).



**8. Locate the longest Light Strip. KEEPING THE PROTECTIVE STRIP ATTACHED TO THE LIGHT STRIP, temporarily hold Light Strip below Installation Guide** with protective strip against the glass, and plastic edge of Light Strip touching the side of the Installation Guide. The white PC board should be completely visible under the edge of the painted perimeter (see below).



**9. If Light Strip appears to be correctly positioned,** install 3 additional Installation Guides along the top edge at roughly the same spacing (so that the first and fourth Installation Guides are about the same distance away from the sides).

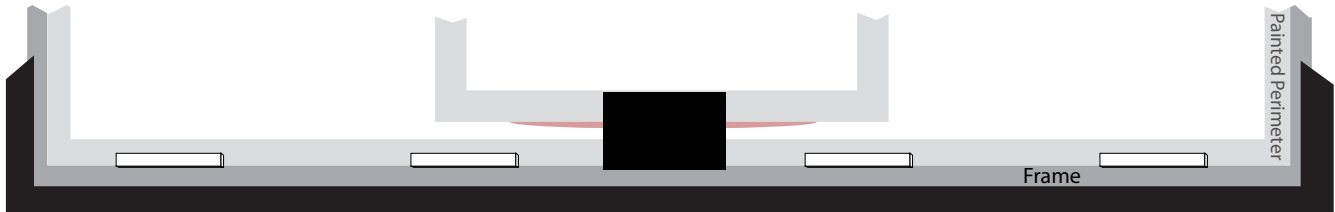
**If Light Strip needs to be moved down,** move Installation Guide down the distance needed and repeat steps 7 and 8. When satisfied with position, install 3 additional Installation Guides along the top edge at roughly the same spacing (so that the first and fourth Installation Guides are about the same distance away from the sides). Use a level to ensure that the guides are **straight**. **If Light Strip needs to be moved up,** do not use Installation Guides. Lightstrips will need to be installed using other guide (not supplied), the metal frame, or by lightly marking the backside of board to ensure the Lightstrips are installed straight.



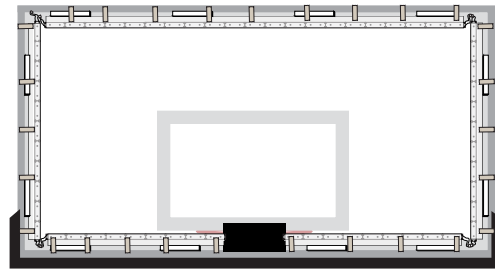
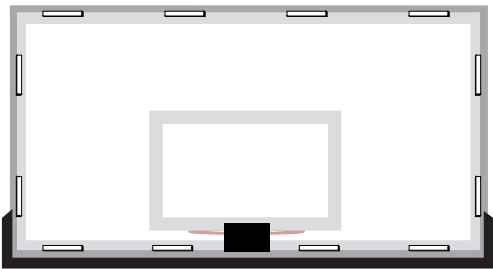
**Step By Step Light Strip Hanging Instructions (continued):**

**10. Repeat steps 5 through 9 on both sides of the backboard, using 2 guides per strip.** Do not rely on measurements found with the initial strip, as it is possible that all four perimeters are not equal.

**11. Install Installation guides on lower portion of backboard.** Install the guides evenly from the edge of the rim frame to the outer frame. The Light Strips are intended to dead-end behind the rim.

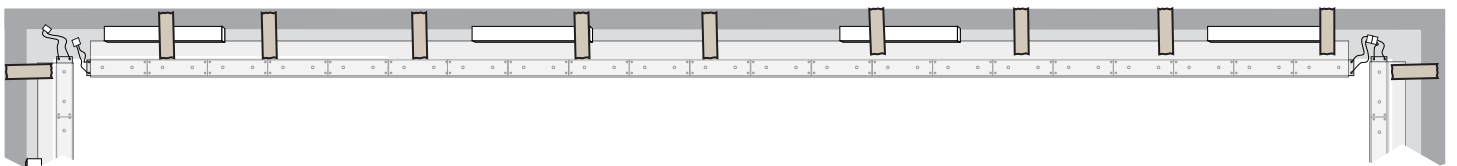


**12. When finished installing the Guides, use masking tape to temporarily install the Light Strips around all four sides.** The adhesive on the lightstrip is strong; this step allows the installer to doublecheck the placement of all Light Strips and make any adjustments that may be required. There may be a gap in the corners between the horizontal and vertical sides; this is normal. It is recommended that the gaps at the top should mirror the gaps on the bottom.



Front of Strip (will attach to back of backboard)

**13. Plug in all connectors to test lights and check for position. The power connector can be plugged into any corner.**



**14. Remove top strip and masking tape. Peel off protective adhesive strip and install light strip to backboard. The adhesive will not slide on the board; use the guides to help line up the lightstrips. Continue to install all other sides.**

**Hook up power to any corner using the supplied Y-Adapter and connect cord from Shotclock.**

**Test by setting time to 0 or by running shotclock down to 0. Remove installation guides.**

**Continue with other scoreboard.**

