

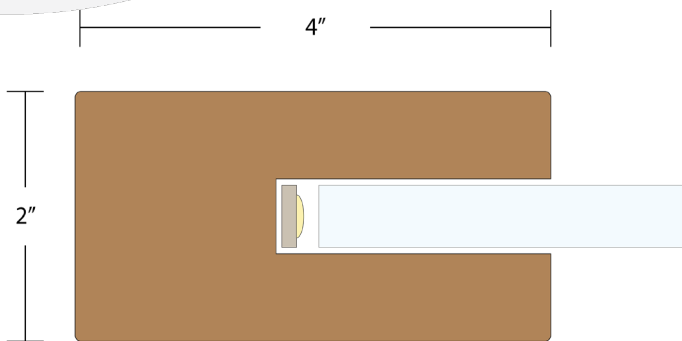
Lightboard

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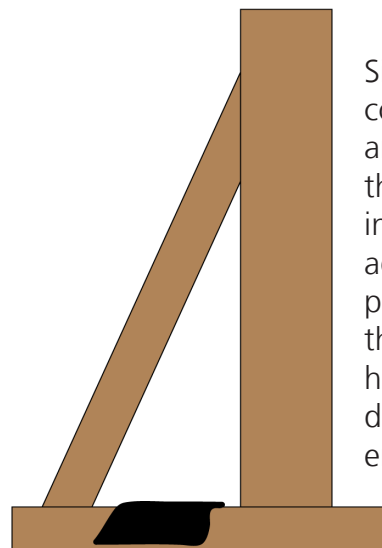


Front view of the lightboard. The board is clear Plexiglass acrylic sheeting. The standard size is 36"x72", but can be cut down, especially if there is a local plastic company you can purchase from. The glass should be at least .22 inches thick, to cut down on the amount of vibration that moves the glass when it's written on.

The frame is regular 2"x4" lumber; kiln-dried is recommended as it is lighter (less water in the wood). The corners of the frame will be mitered at a 45° angle and held together with corner braces.



The 2"x4" frame will have a groove cut to insert the plexiglass and house the LED light strip. Because the LED light strip is wider than the plexiglass, the glass may need to be padded with adhesive foam.



Side view of the leg construction. The legs are structured to brace the opposite side of the instructor, to counteract against the forward pressure of writing on the board. Sandbags help weight the legs down and stabilize the entire frame.

Plexiglass - Optix acrylic plastic sheet	36 in. x 72 in. x .220 in., 29 lbs	\$130
Impact saddle sandbag x2	15 lbs, black	\$44
Kiln-dried lumber x3	2"x4"x16'	\$17
LED Light Strip x2	16.4ft roll	\$46
60 watt power supply for lights, strip-to-strip connectors		\$20
Ebony wood stain (two coats)		\$5
Flat mending brace (leg side bracing) x2	4"	\$4
Corner braces x4	4"	\$13
Misc screws, wood glue, cleaning supplies, Neon Expo markers		\$25
	total	\$289

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