

8 foot X 10 foot Outdoor Movie Screen

Introduction

By request we have designed an 8 foot X 10 foot smaller version of the original “Home Theater’s For Dummies” 10X20 foot screen. This screen is ideal for smaller back yards and has a number of attractive features. First it requires only 10 fittings and eight 10 foot pieces of 1 inch EMT tubing that require only 5 cuts. With an 8 foot X 10 foot tarp and the Ball Ties you have a complete outdoor movie screen. Our new easy to read assembly diagrams shown in Figure 1 makes putting this project together very easy.

Assembly Diagram

Nine 10' lengths of 1" Electrical conduit, EMT needed for this 8' X 10' outdoor screen

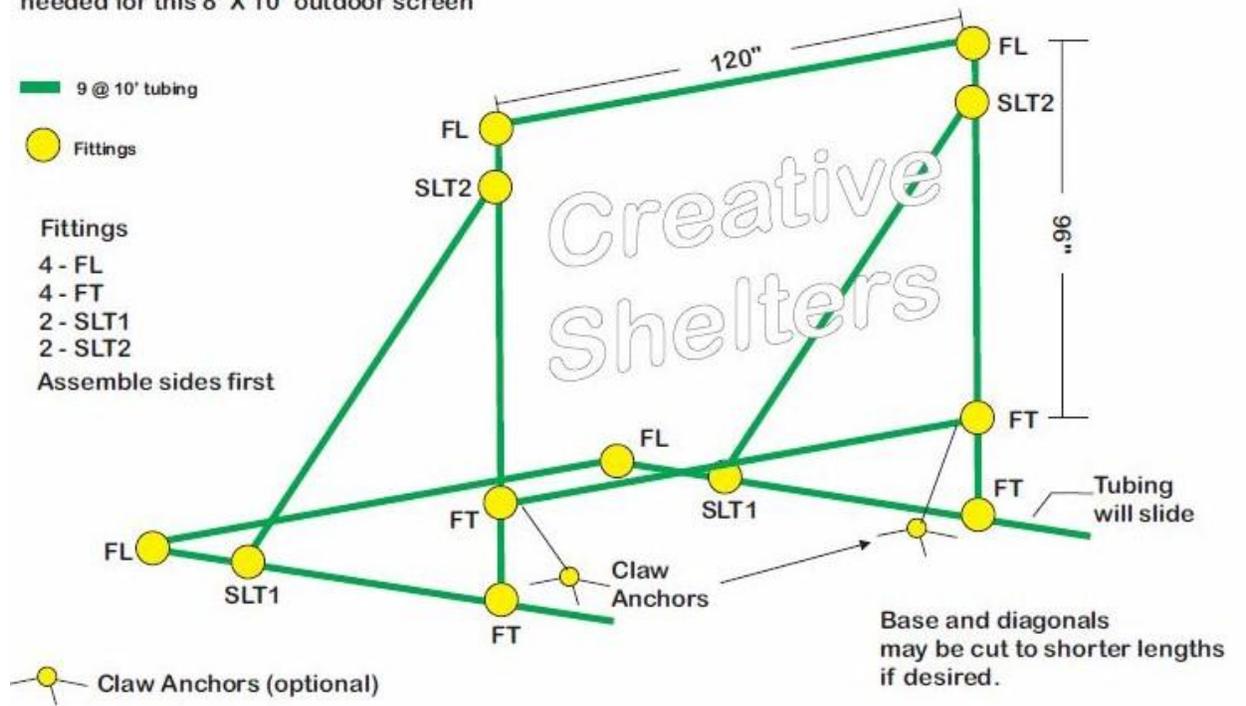


Figure 1 - Assembly diagram for 8x10 foot outdoor movie screen

8X10 Outdoor Screen ver 2
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8' X 10'
Outdoor Movie Screen

Figure 1 - Assembly diagram and tubing cut list for 8x10 foot outdoor movie screen

Attaching the Tarp

Kits are supplied with two sizes of ball ties used to attach the tarp to the frame. Use the shorter 6 inch ball ties to attach the top and bottom of the screen. Use the longer 9 inch ball ties to attach the left and right of the screen.

Changing the Base Footprint

With the fittings used on this design you can easily modify the size of the base. The two FT fittings used on the bottom in the front and the FTA used on the bottom in the back and at the end of the diagonal back support allow you to change the foot print for stability or area constraints. By sliding the top FTA fitting down and increasing the length of the bottom support shown in blue you can increase the size of the base.

Changing the Screen Size

You can change this design to be any width smaller than 10 feet by simply cutting the two horizontal pieces (top and bottom) shorter. You can adjust the screen height by simple cutting the top verticals (left and right) to a different length and then adjusting the bottom two vertical legs. One design we have seen used a 7 foot wide tarp and made the space under the screen 3 feet. By doing this they were able to use one 10 foot piece of EMT for the entire front vertical since the FT fitting used on the front allows you to slide the tubing all the way through.

Anchoring

We strongly recommend you anchor your screen to the ground. Tarps are great sails and with a gust of wind it is easy to see these screens tip over or even fly off. We recommend using one of our Claw-Anchors on each end of the screen. These anchors can be placed directly below the bottom horizontal bar. When installed these anchors will hold up to 1200 pounds of pull and mount flush to the ground. By putting them directly under the screen they are also out of the way of foot traffic so in the dark there is little chance of tripping over them.