Assembling a Light Bank

Instructions
Purchase three 4-foot flourescent light fixtures from local Hardware store. The 40 watt bulbs and ballast are sold separately. Each ballast runs two bulbs in one strip unit. These units must be put together to make a "light bank". Remove all light fixtures from boxes. Using screwdriver, remove center panel from underside of fixtures (Figure 1), exposing holes in light fixtures that will be used for attaching fixtures to $\frac{3}{4}\ " \times \frac{3}{2}\ " \times 16"$ wood pieces (C).

![Figure 1]

Place $1\ " \times 2\ " \times 46\frac{1}{2}\ "$ wood piece (D) on a table. Center the two $\frac{3}{4}\ " \times \frac{3}{2}\ " \times 16"$ wood pieces on each end of D (Figure 2).

![Figure 2]

Place the 1st light fixture on the two $\frac{3}{4}\ " \times \frac{3}{2}\ " \times 16"$ (C) wood pieces so that its holes line up with the center of wood pieces C and the ends of wood piece D; then bolt the three pieces together using two $\frac{1}{8}\ " \times \frac{2}{12}\ "$ bolts, nuts and washers (Figure 3).

![Figure 3]

Attach 2nd and 3rd fixtures to each end of $\frac{3}{4}\ " \times \frac{3}{2}\ " \times 16"$ wood pieces (C) in same manner using four $\frac{1}{8}\ " \times 1\frac{1}{2}"$ bolts, nuts and washers. Replace center panels on underside of fixtures.

Use screws to attach sash handle to center of wood piece D. Attach light bank to support frame using four chains and S-hooks (Figure 4). The wooden frame shown was constructed using instructions on page 5.

![Figure 4]

Constructing a PVC Light Rack

Tools
- flathead screwdriver
- Phillips screwdriver
- pliers

Hardware
- four 3/16" x 1 1/2" bolts and four nuts
- two 3/16" x 2 1/2" bolts and two nuts
- four screw eyes (size 6)
- two 3/16" x 2 1/2" eye bolts and two nuts
- four -18" lengths of chain
- eight S-hooks
- one power cord
- one sash handle with screws

Parts list*
A. two bases (each consisting of two 10" lengths of 1" PVC pipe, two end caps, and a T-joint)

B. two side supports (two 24" lengths of 1" PVC pipe)

C. one cross bar (one 51 1/2" length of 1" PVC pipe, two elbows, and two eye bolts with nuts)

D. two 3/4" x 3 1/2" x 17" boards (with metal eye screws on each end)

E. one 1" x 2" x 46 1/2" board
PVC Lightbank