

OPERATING INSTRUCTIONS
AND
INSTALLATION INSTRUCTIONS
FOR
MACRO “SKYHOOK” SH-1-HD HEAVY DUTY SPOT LIGHT MOUNTING DEVICE

OPERATION

The Macro SKYHOOK spot light mounting device is designed to be mounted above a finished ceiling so that when the unit is not in use all that shows on the ceiling is a white metal plate approximately 4.5 inches square. However, operating a latch located in the center of this plate allows the unit to be pulled down approximately one foot.

This exposes four electrical outlets, and exposes a round opening that will accept a 48 inch long cross pipe (furnished with the unit). The cross pipe is inserted such that a hole in the center of the pipe lines up with a matching hole in the SKYHOOK. A half inch diameter pin is inserted to prevent the pipe from rotating and/or shifting left to right. A spring cotter pin prevents accidental removal of the pin.

After pulling the unit down from the ceiling and inserting and securing the cross pipe, one or more theatrical type spot lights can be mounted on the 1.875 inch diameter cross pipe via ordinary stage “C” clamps and safety cables. The spot lights are then plugged into the electrical receptacles located in the SKYHOOK. **NOTE – THE COMBINED WEIGHT OF ALL THE SPOTLIGHTS MOUNTED ON THE CROSS PIPE AND ANY TRUSS ATTACHED MUST NOT EXCEED 1000 POUNDS.** IF TRUSS IS USED IT MUST BE SECURED ADJACENT TO THE CENTER PULLDOWN SECTION OF THE SKYHOOK. With loads over 300 pounds care must be taken to balance loads on the left and right sides of the SKYHOOK support pipe to avoid torque loads on the ceiling mounting system.

After use, the spot lights are unplugged and removed. The pin is removed from the cross pipe, and the cross pipe is removed. The unit is then pushed up into the ceiling and latched in place. The shaft that moves up and down is counterbalanced so that little effort is needed to either pull down or push up.

INSTALLATION

The SKYHOOK must be permanently fastened to substantial supports within or above the ceiling in which it is mounted. The SKYHOOK itself including its cross pipe weighs approximately 50 pounds. It is rated to hold up to 1000 pounds of spotlights mounted to the cross pipe. This is a combined load of 1050 pounds that must be supported. Any overhead load bearing structure should have a substantial safety factor incorporated into its own structure (which the SKYHOOK certainly has), and into its mounting supports. Leviton recommends that the support structure be designed for at minimum a 1500 pound loading. This is based on the thought that should a workman installing or removing spotlights lose his balance on his ladder or other supporting means he might attempt to momentarily support his own weight from the SKYHOOK device in addition to whatever other load that is already on the SKYHOOK..

The design of the support structure should be undertaken by the project structural engineers. They have available to them information as to what loads the structure above the ceiling is designed to support.

The actual supports can be of wood, angle iron, steel channels, or whatever material works well with the other ceiling structure. The SKYHOOK has two parallel plates, each provided with four slots .375” by 1.125” suitably located to bolt the SKYHOOK to whatever supports are provided.

The bottom latch plate can be removed with four screws to allow the ceiling material to be fitted in place over the protruding portion of the Skyhook. One inch of clearance is provided between the mounting flanges and the latch plate to allow for ceiling material up to one inch in thickness. After the ceiling material is installed, the latch plate must be re-installed.