

ECO Spot™ Projector Install Guide

This guide aims to instruct installers, owners, operators and technicians on suitable and recommended mounting techniques for industrial sign projectors.

These instructions are designed for installations that utilize imperial sized hardware, but many of the configurations can be simplified with the use of metric hardware.

NOTE

Many of the mounting methods detailed in this guide will require supplementary hardware in conjunction with included pieces.

⚠ WARNINGS

Please read and review the following precautions before handling the projector unit, accessories, and hardware.

🚫 Prohibited Actions

- ❌ Do not rest the projector on the cables protruding from the rear of the unit.
- ❌ Do not lift the projector by any cables other than the safety cable.
- ❌ Do not power the LED light source while it is detached from the heat sink.
- ❌ Do not use projector if the driver, power cable or plug shows signs of damage or overheating.
- ❌ Do not introduce flammable materials in proximity to the projector.

👉 Mandatory Instructions

- ✅ Projectors must be installed by professionals and in compliance with all applicable rules and regulations.
- ✅ Projectors in wet or dusty environments must have lock- and O-rings installed between threaded parts.
- ✅ Installer must ensure all hardware is tightened to specification, including lock-rings, knobs and pivots.
- ✅ Projectors must be attached to a safety cable after mounting.

WARRANTY

- Projectors have a limited manufacturer's warranty, starting on the Date of Purchase.
- Retain your receipt for reference and contact your reseller, if applicable.

NOTE: For warranty details specific to your model, please refer to the ECO Spot Spec Sheets.

UNPACKING YOUR PROJECTOR

Each projector is individually packaged in a box with a Gobo Source label. Projectors may arrive in a master carton, which may include multiple individual projector units, as well as any additional lens kits and gobos.

1

Open the box and remove the first layer of foam. Place the foam on a table or other stable work surface.

2

Remove foam-wrapped driver (if the unit has an external driver) and hardware tin and set aside.

3

Pull projector out of box by lifting the plastic bag or foam casing, and then set on top the foam from Step 1.

NOTE: Ensure cables are not crimped or bent underneath

4

Unseal and remove plastic bag from projector and return to rest on foam.

5

Point projector upwards, then remove gobo retainer and standard measuring grid gobo.

6

Seat gobo in the projector and gently secure the retainer.

NOTE: Colored/Dark side of the gobo must face outwards

7

Attach included lens tube and ensure proper gobo orientation before screwing in the included lens optics.

8

Connect driver to projector and wall plug adapter, then plug in the projector to verify projection appearance.

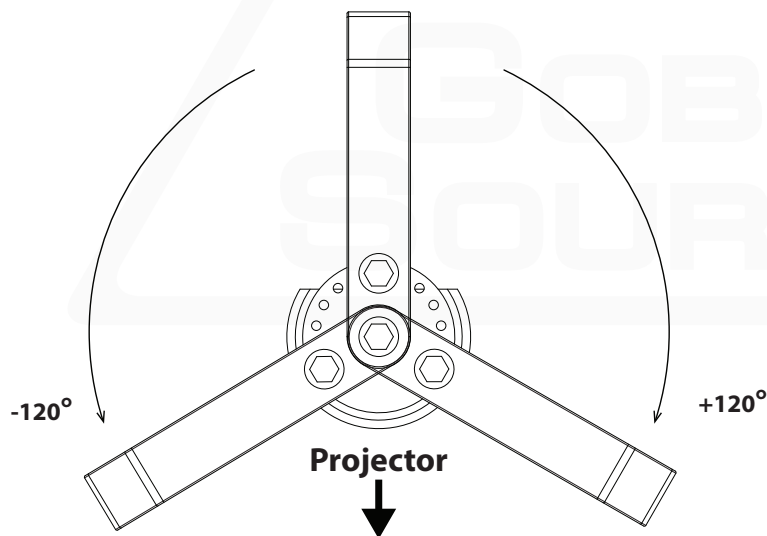
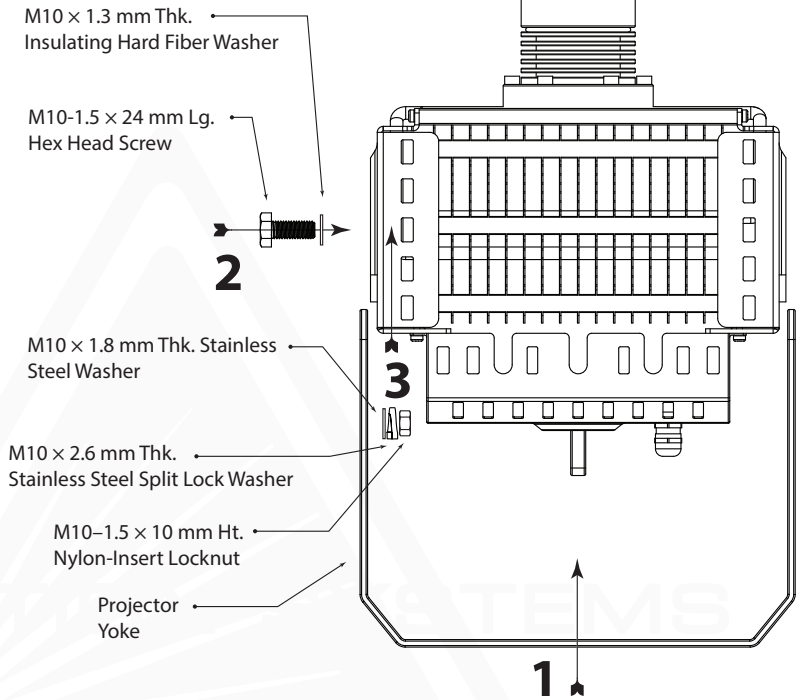
Yoke Angle Configurations

HANGER YOKE

Full size rugged projectors (C60PCE and up) utilize a standard yoke and axle design.

Due to the packed size of these projectors, the yoke is not pre-assembled. In each box there is hardware to both connect the yoke and lock it at a specific angle.

Most installations will only require the central bolt to be installed to serve as axle for the yoke, as detailed in the adjacent diagram. The hardware in this configuration is included with each projector.



The hanger yoke facilitates freedom of movement in the lateral position of the projected line. Additionally, it can offset angles created by the chosen clamping solution.

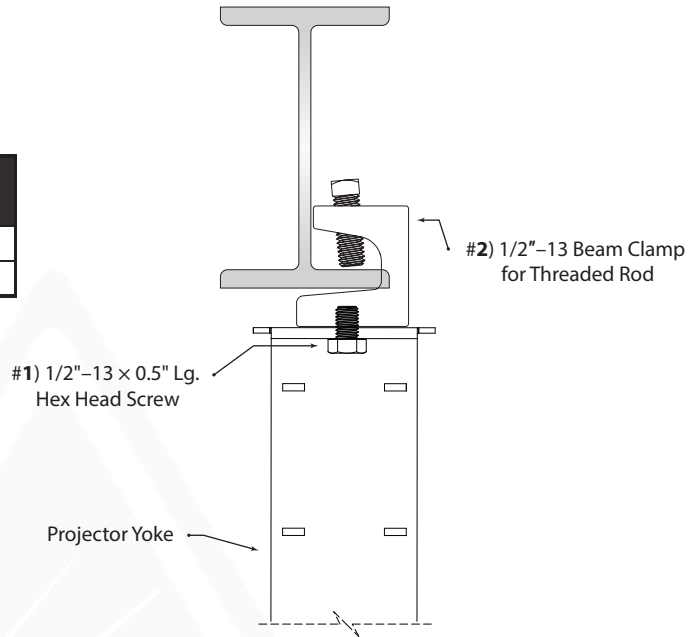
With the standard hanger yoke, a lateral pitch adjustment of at least $\pm 120^\circ$ is possible.

Clamp Mounting Methods

DIRECT MOUNT

Suggested Hardware		
ITEM#	QTY	Description
1	1	1/2"-13 x 1" Ht. Hex Head Screw
2	1	1/2"-13 Beam Clamp for Threaded Rod

Directly mounting a clamp to the projector yoke is the most efficient mounting method and is preferable if the planned projection distance was measured from a ceiling truss.



ROD MOUNT

Suggested Hardware		
ITEM#	QTY	Description
1	2	1/2" x 0.125" Thk. Split Lock Washer
2	1	1/2"-13 x 2' Lg. Threaded Tie Rod
3	3	1/2"-13 x 7/16" Ht. Hex Nut
4	1	1/2"-13 Beam Clamp for Threaded Rod
5	1	M10 x 1.9 mm Thk. Washer

Projectors can be connected to a clamp for hanging via a hanging tie rod. This allows for a reduction in the projection distance, causing projected images to appear brighter.

