

# Lens Focus Adjustment Instruction Sheet

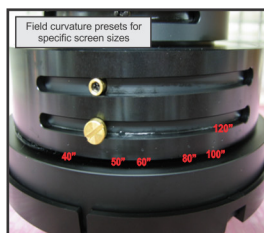
## INTRODUCTION

This document describes best practices for lens focus adjustment of the 0.64:1 WUXGA and 0.69:1 SXGA+ lenses (P/Ns: 002-120444-01 & 002-120444-02). The lens has 2 types of adjustment – focus and field curvature correction, which are both used to sharpen the projected image. Failure to properly adjust lens focus results in an image that is not uniformly focused and contains geometric distortion. These instructions apply to the Entero RPMWU/RPMSP-LED01, Matrix StIM/SIM, and Mirage WU-L projectors.

## FOCUSING OF THE 0.69/0.64 LENS

When the lens leaves the factory, the focus screws are locked down for a 67” screen scenario. For any other configuration, the focusing screw and the field curvature locking screw should both be unscrewed ¼ turn.

1. Loosen the main locking screw and the focusing screw.
2. Adjust the focusing screw for best focus in the image center.
3. Loosen the field curvature locking screw and adjust the field curvature focusing ring to sharpen the image corners. Refer to the image below as an aid to gauge the specific preset for your screen size.
4. Finally, the focus screw should be “tweaked” for best overall screen focus. Although it is not necessary, you may want to retighten the main locking screw. **NOTE:** Use a maximum of 4 in-lbs to tighten the main locking screw.



0.64: WUXGA/0.69:1 SXGA+ Lens  
Part Number: 002-120444-01



0.64: WUXGA/0.69:1 SXGA+ Lens  
Part Number: 002-120444-02