

Mounting Guide ULS Mirror Christie M 4K / M 4K+ RGB Series



Thank you for choosing a ULS Mirror System.

By following the steps outlined in this mounting guide, you will ensure reliable performance and long-term satisfaction with the product.

Introduction / Purpose of This Mounting Guide:

This mounting guide demonstrates how to install the ULS Mirror Set together with the appropriate Projector Plate onto the projector. It details recommended positioning relative to the projector body, the pole connection at the ULS Base Plate, and the ball-head orientation on the mirror itself. These recommendations are derived from both precise calculations and extensive practical testing.

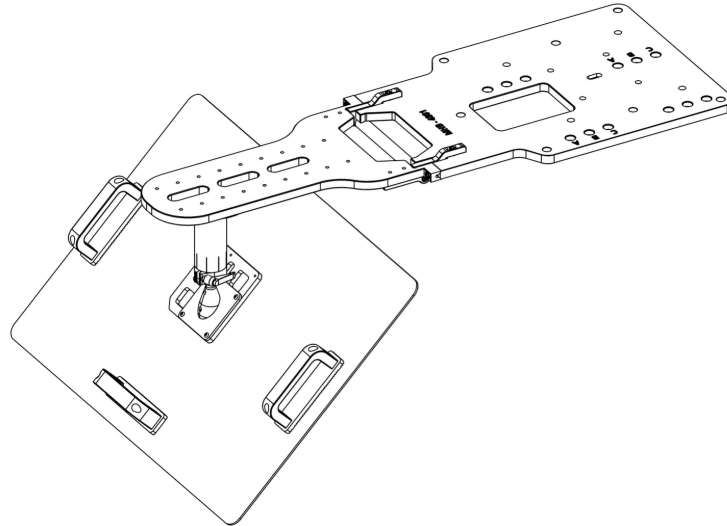
⚠ Safety Notice

This device has left our company in perfect condition. To maintain this condition and ensure safe operation, all safety instructions and warning notes must be followed.

- Never look directly into the light source of the connected projector.
- Keep children away from the device and installation area at all times.

For detailed safety guidelines, technical definitions, and further information, please refer to the official ULS Mirror Manual (June 2025), available at:

https://dynamicprojection.com/transfer/ULS/ULS_Manual_V14_June2025.pdf

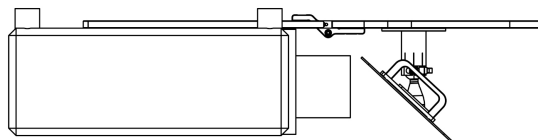


ULS Mirror Set 70/13

Projector Plate MHB-4801

This guide applies to the following variants designed for use with Christie M 4K25 RGB, M 4K+25 RGB, M 4K15 RGB, M4K+15 RGB and similar projectors, depending on the lens in use and the respective mirror deflection angle. Compatible with EXACT solutions GmbH EVO-C20 frame, Christie stacking frame M-Series and Frame UNIKA 24850 for Christie M4K-3Chip Series – but not necessarily needed.

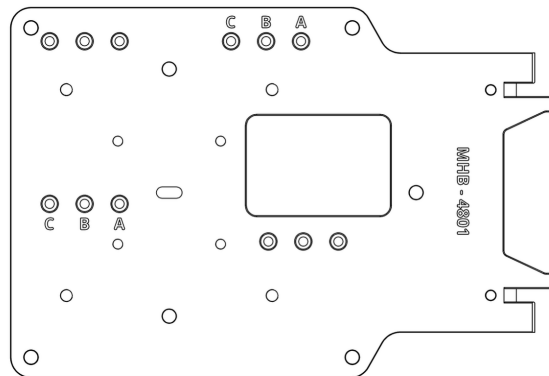
Three ULS Mirror Set are available. Depending on the lens used – and consequently the throw ratio – as well as the deflection angle of the mirror, different mirror sizes and pole heights are required. Please note: the values listed below apply exclusively to a 90° vertical deflection. Different deflection angles will require separate calculations.



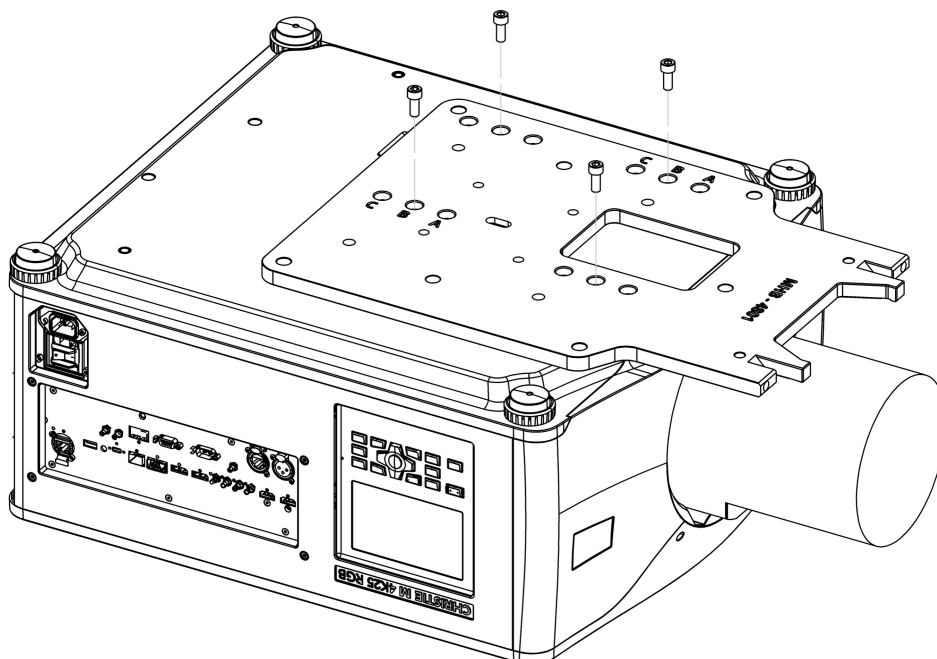
ULS code	ULS mirror	Mirror mm	Pole mm	Compatible lens	Throw ratio
ULS-MB-7013	M700	700 x 480	135	118-100110-XX	0.67:1
ULS-MB-4808	M480	480 x 340	88	118-130105-XX	0.8-1.16:1
ULS-MB-4808	M480	480 x 340	88	118-100117-XX	1.1:1
ULS-MB-3405	M340	340 x 250	56	118-100117-XX	1.1:1
ULS-MB-3405	M340	340 x 250	56	118-100111-XX	1.16-1.49:1
ULS-MB-3405	M340	340 x 250	56	Other lenses	1.28-10.4:1

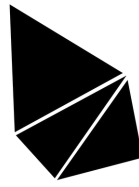


1. Place the Projector Plate MHB-4801 onto the projector by using 4x M8 x 20 socket screws. Ensure that the correct side of the Projector Plate is facing upward and the mounting position is "**B**" for the M700 mirror, "**C**" for the M480 mirror and "**A**" for the M340 mirror.



- **Position B** – M700 Mirror
- **Position C** – M480 Mirror
- **Position A** – M340 Mirror



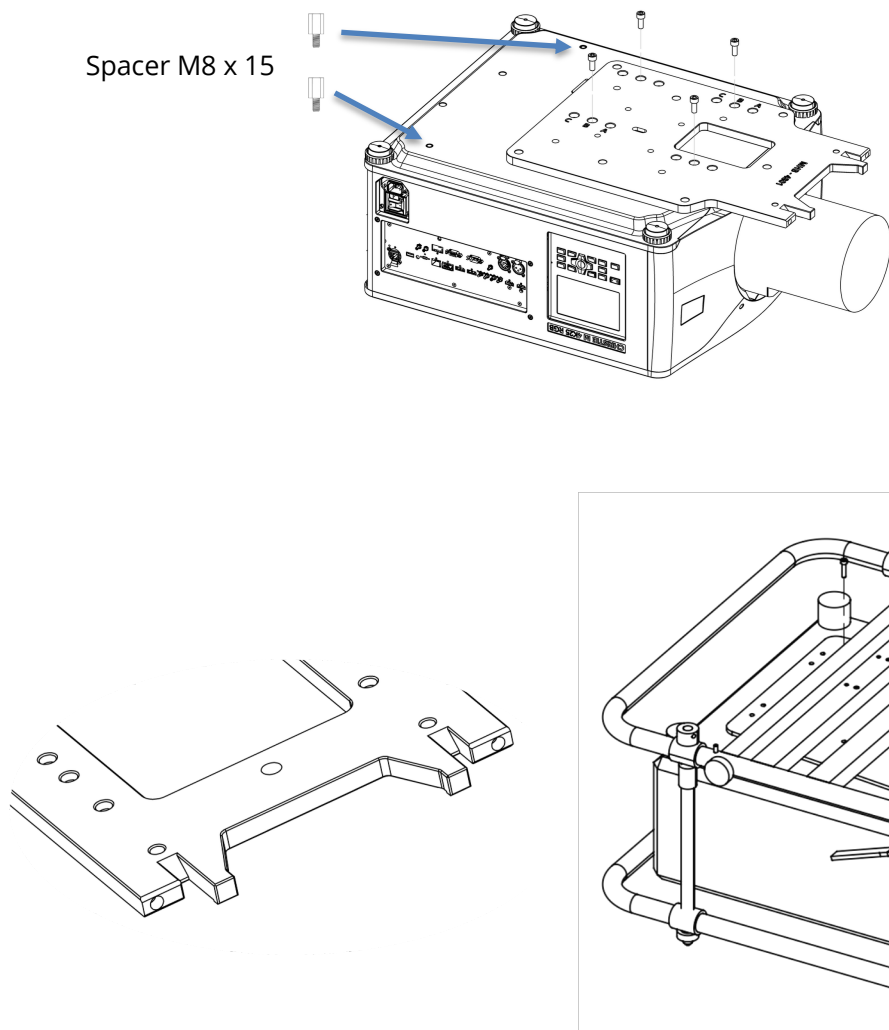


2. If a projector frame is used, first attach the **2x M8 x 15 spacers** to the two remaining mounting points at the rear of the projector. Position the MHB-4801 Projector Plate between the projector and the projector frame. Ensure that the **correct side of the Projector Plate** is facing upward and select the appropriate mounting position:

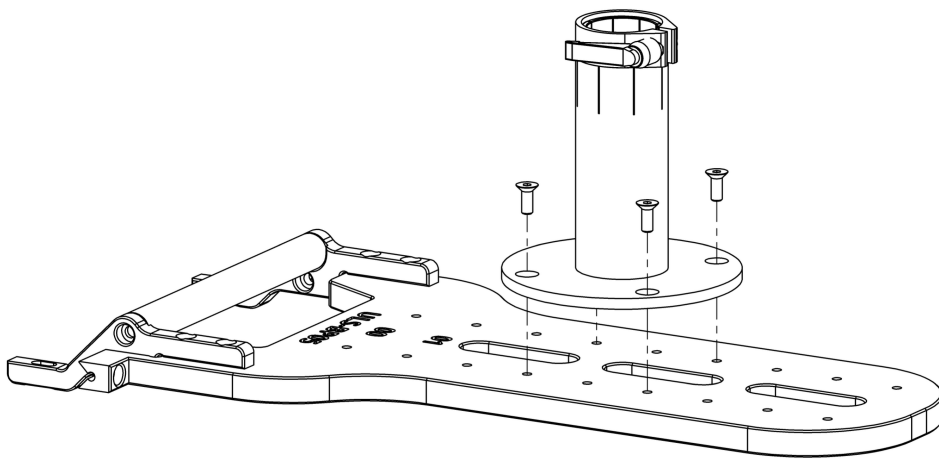
- **Position B** – M700 Mirror
- **Position C** – M480 Mirror
- **Position A** – M340 Mirror

Secure the Projector Plate using 4x M8 x 35 socket screws with washers.

Finally, fasten the two mounting points where the spacers are installed using 2x M8 x 16 socket screws with washers.



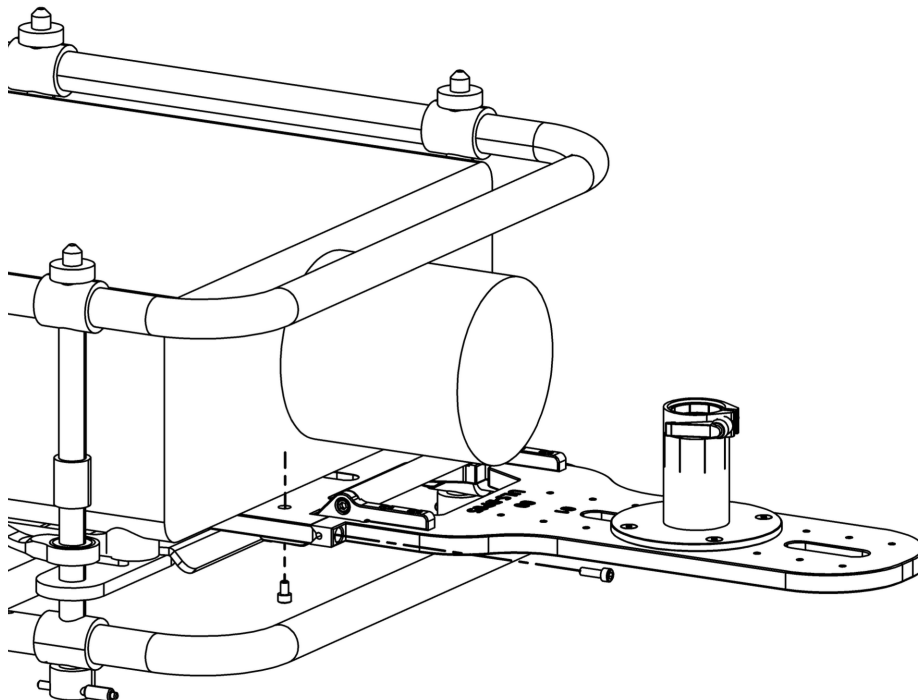
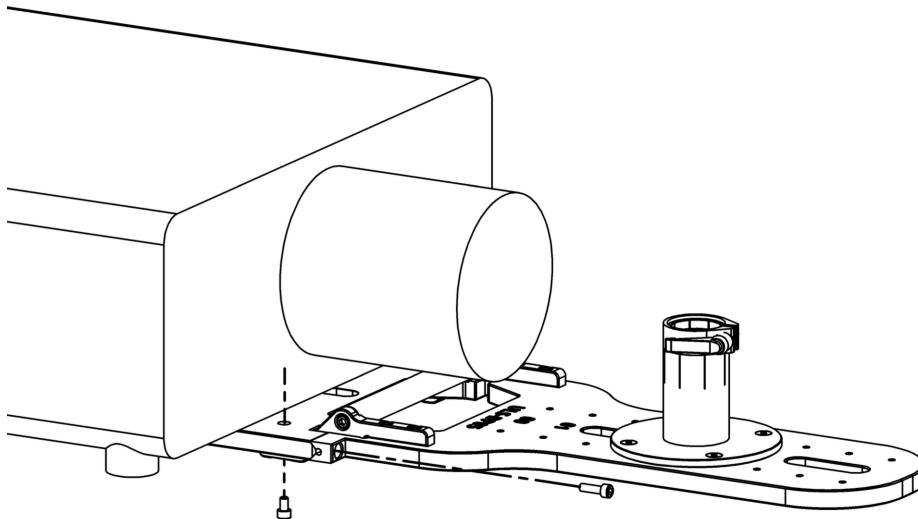
3. Mount the ULS Pole onto the ULS Base Plate ULS-BP05 / ULS-BP02 using the 4x M6 x 16 countersunk screws as shown below. Depending on the mirror size and the lens used, please **follow the recommended position (00 - 06) as indicated in the list below**. For longer throw ratio, positions further away from the lens may also be used. In any case, ensure that the mirror is mounted in a way that prevents any risk of damaging the projector lens.



Mirror	Mirror size	Pole	Lens	ULS Base Plate
M700	700 x 480 mm	P135 / 135 mm	0.67:1 FIX	Position 05
M480	480 x 320 mm	P088 / 88 mm	0.8-1.16:1	Position 05
M480	480 x 320 mm	P088 / 88 mm	1.1:1 FIX	Position 05
M340	340 x 250 mm	P056 / 56 mm	1.1:1 FIX	Position 05
M340	340 x 250 mm	P056 / 56 mm	1.16-1.49:1	Position 05
M340	340 x 250 mm	P056 / 56 mm	1.28-10.4:1	Position 05-06



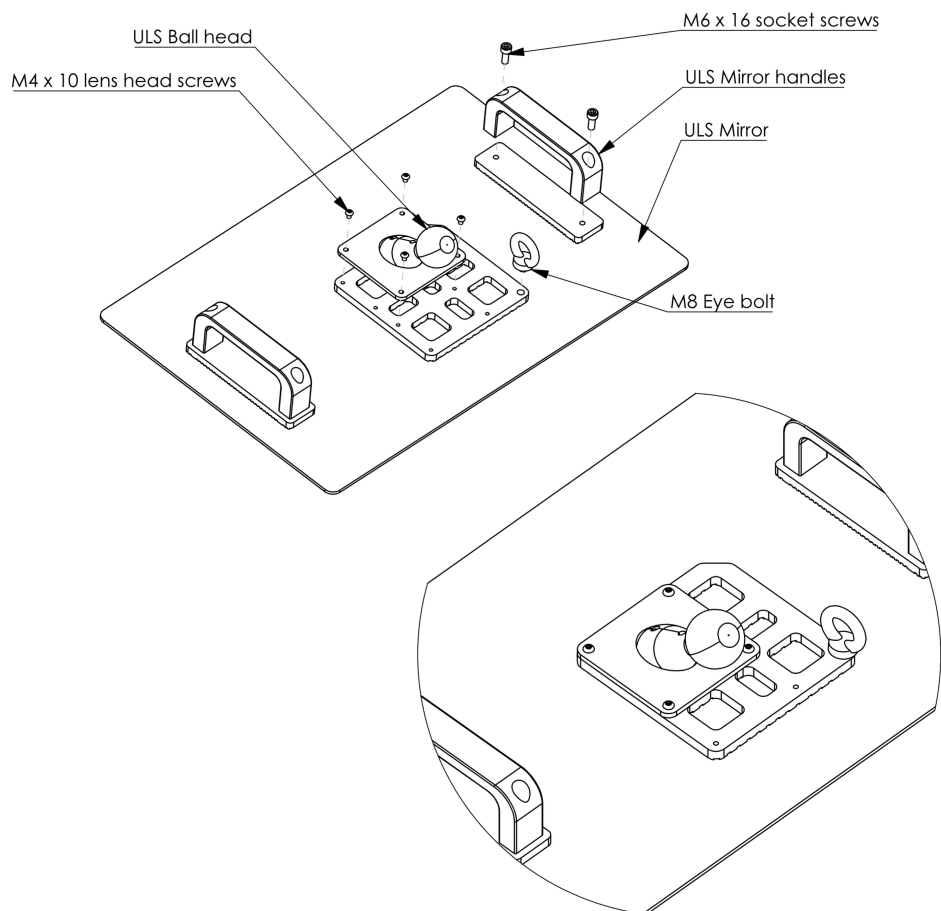
4. Mount the ULS Base Plate ULS-BP05 / ULS-BP02 onto the Projector Plate MHB-4801 by using 2x M6 x 20 socket screw and from below 2x M6 x 10 socket screws.





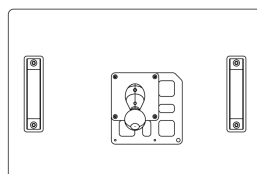
5. Mirror assembly – the figure shows a ULS-M340 mirror (340 x 250 mm)

An M8 eye bolt is provided for attaching a safety wire. For any overhead installation, the use of a certified safety wire is mandatory.



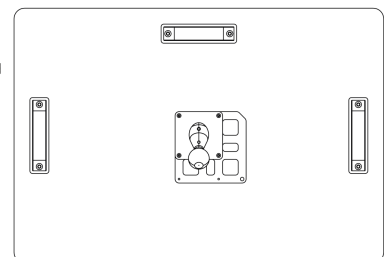
ULS Mirror M480

- Removable handles.
- Changeable positions of ball head
- Mirror size 480 x 340 mm
- Code: ULS-M480



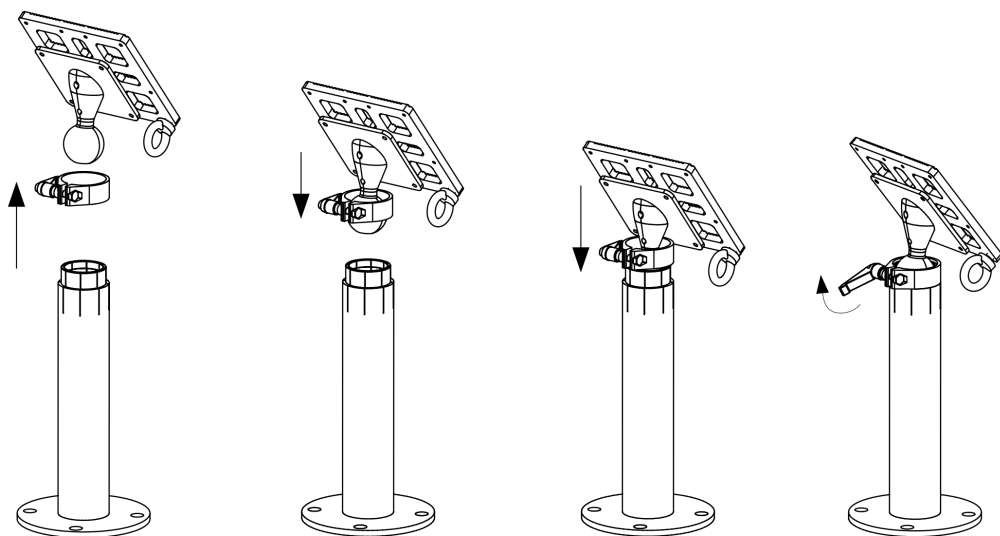
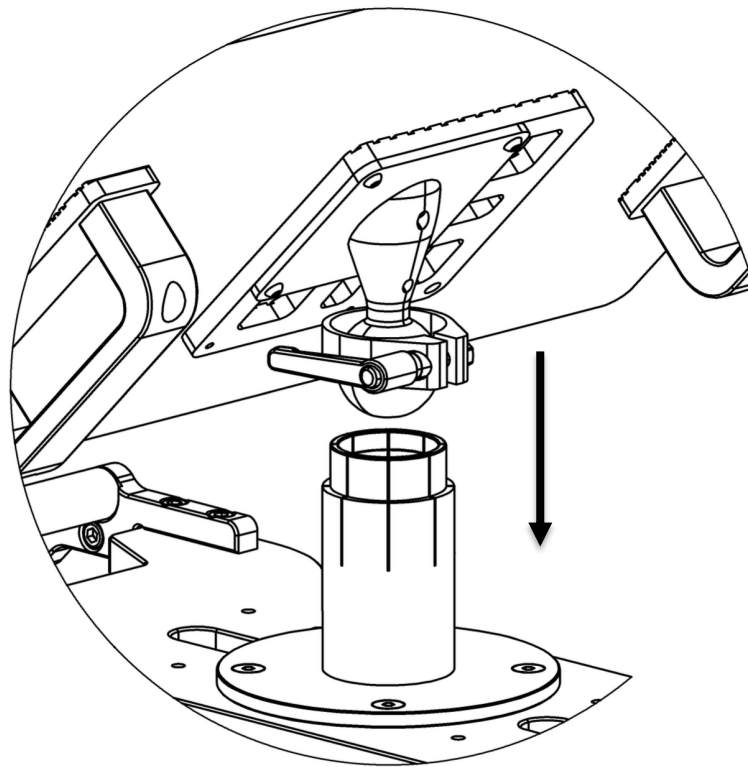
ULS Mirror M700

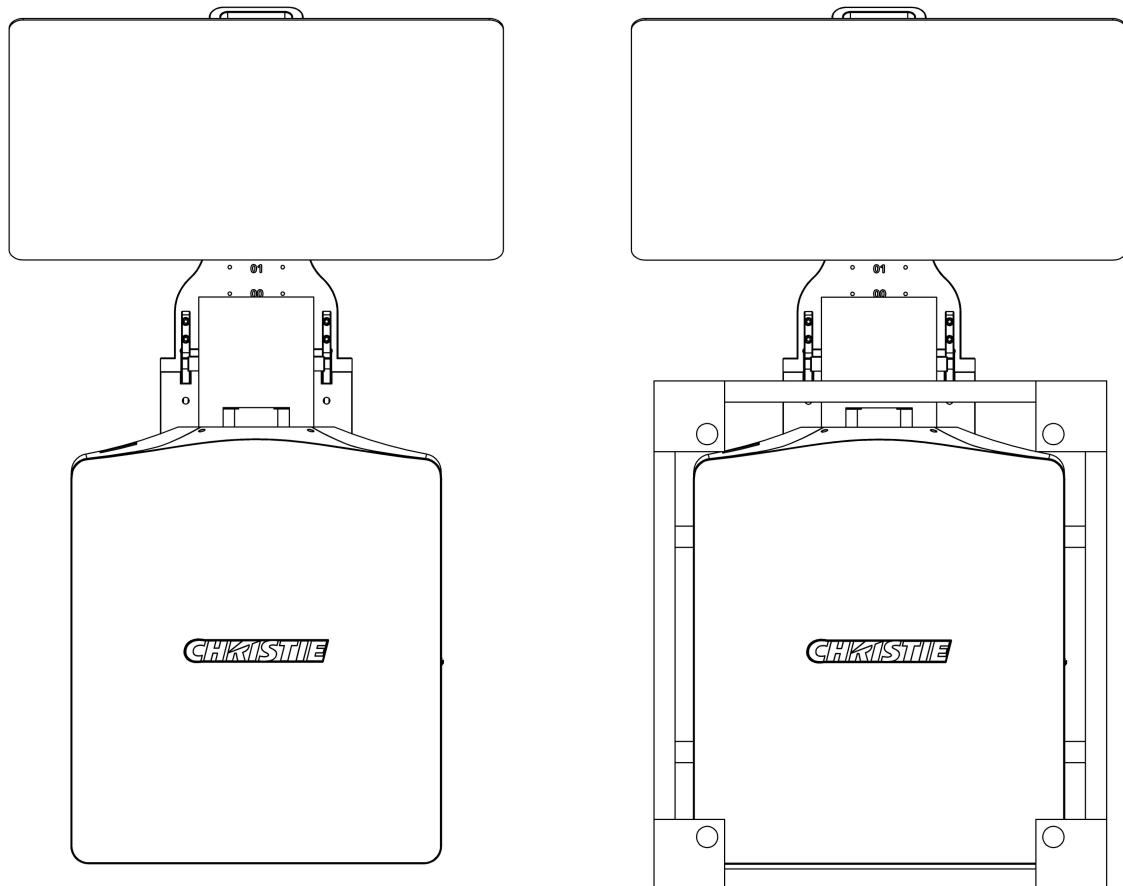
- Removable / changeable handles.
- Changeable positions of ball head
- Mirror size 700 x 480 mm
- Code: ULS-M700





6. Place the ring clamp over the ball head, push the ball head in the ULS Pole ball socket and secure the position with the locking lever.





Christie M 4K+25 RGB – 0,67:1 – ULS Mirror M700 / ULS-MB-7013

Extended information regarding mounting configurations, mechanical integration, and safety instructions can be found in the official installation manual. Please consult the manual on our website for complete guidance.

<https://www.dynamicprojection.com/uls-support>