

Mounting Guide ULS Mirror Barco i600



BARCO i600-4K15 + ILD 0.65-0.8:1
ULS Mirror M700 (ULS Mirror Set 70/13)

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.

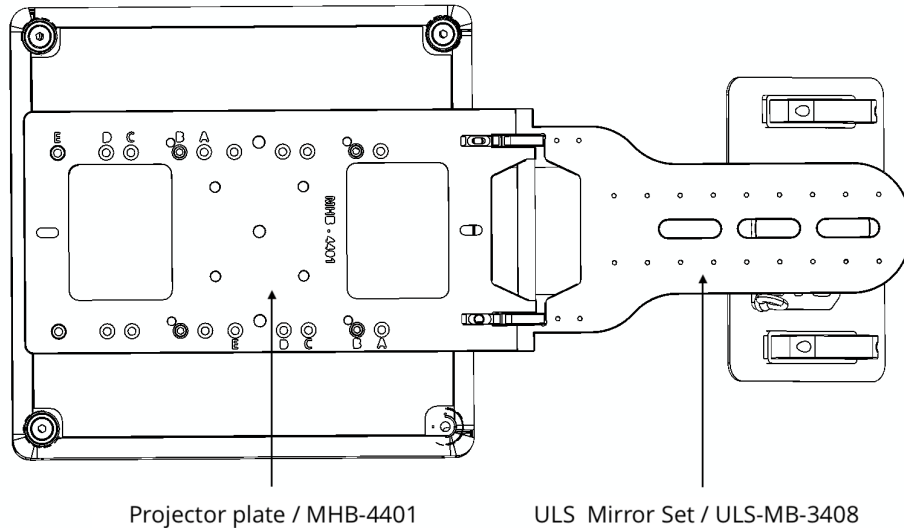
⚠ Safety Notice

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.

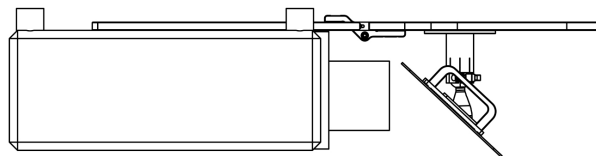
For detailed safety guidelines, technical definitions, and further information, please refer to the official ULS Mirror Manual (June 2025), available at:

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



This guide applies to the following variants designed for use with Barco i600-4K8, i600-4K10 and i600-4K15, depending on the lens in use and the respective mirror deflection angle. Compatible with EXACT solutions GmbH EVO Frame P11 BE, Rigtac Air Frame X-12 – but not necessarily needed.

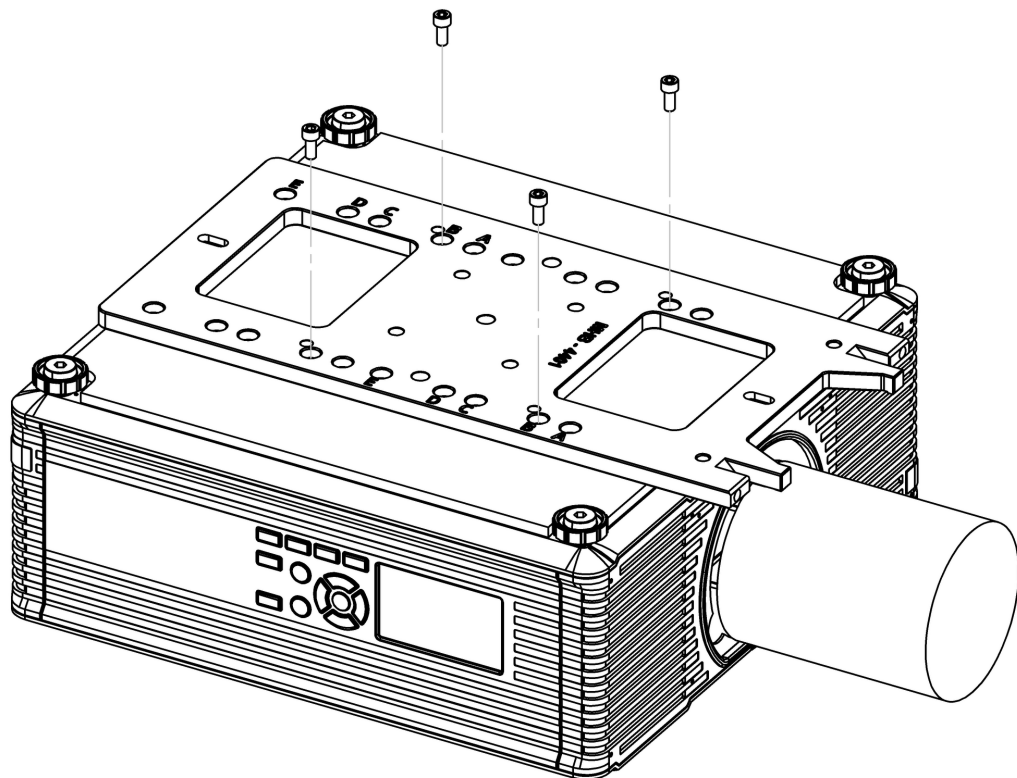
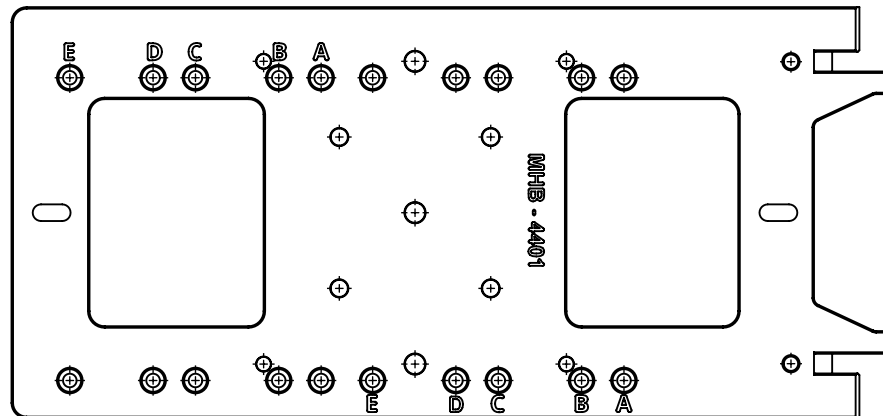
Three ULS Mirror sets are available. Depending on the lens used — and therefore on the throw ratio — as well as the mirror's deflection angle, different mirror sizes and pole heights are required. Please note that the values listed below apply exclusively to a 90° vertical deflection. Different deflection angles require separate calculations. Of course, larger mirrors than those specified can also be used.



ULS Mirror Set	Mirror mm	Pole	Compatible Lens	Range
ULS-MB-7013	700 x 480	P135	ILD 0.65-0.8:1	Full
ULS-MB-4808	480 x 340	P088	ILD 0.65-0.8:1	≥ 0.7:1
ULS-MB-4808	480 x 340	P088	ILD 0.8-1.0:1	Full
ULS-MB-3408	340 x 250	P088	ILD 1.0-1.4:1	Full
ULS-MB-3408	340 x 250	P088	ILD 1.4-2.1:1	Full
ULS-MB-3408	340 x 250	P088	ILD 2.1-4.0:1	Full
ULS-MB-3405	340 x 250	P056	ILD 4.0-7.4:1	Full

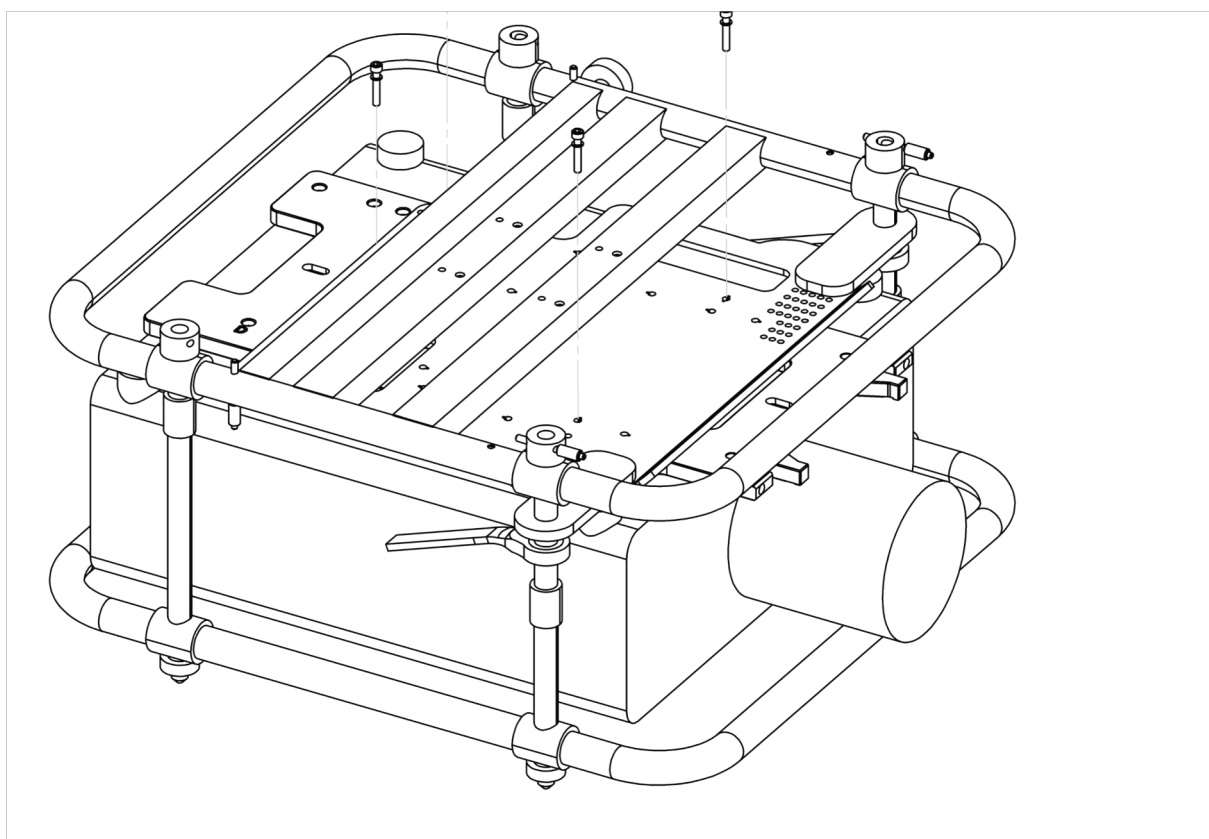
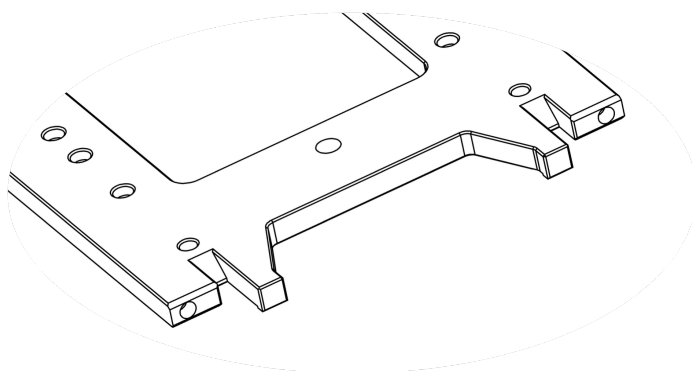


1. Place the Projector plate MHB-4401 onto the projector by using 4x M8 x 20 socket screws. Ensure that the correct side of the Projector Plate is facing upward and the mounting position is **"B"**.





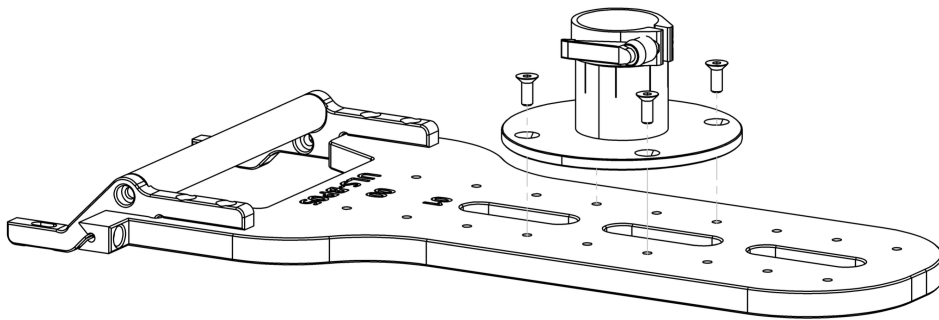
- 1 Mount the Projector plate MHB-4401 to the projector between frame and projector and fasten it using 4x M8 x 35 button head hex socket screws (Linsenkopf – Innensechskant) + washers. Ensure that the correct side of the Projector plate is facing upward and the mounting position **"B"**.



- 2 Mount the ULS Pole onto the ULS Base plate ULS-BP05 / ULS-BP02 using the 4x M6 x 16 countersunk socket screws (Senkschrauben mit Innensechskant) as shown below.

Depending on the mirror size and the lens used, please follow the recommended **Position (00 - 06) on the ULS base plate** as indicated in the list below.

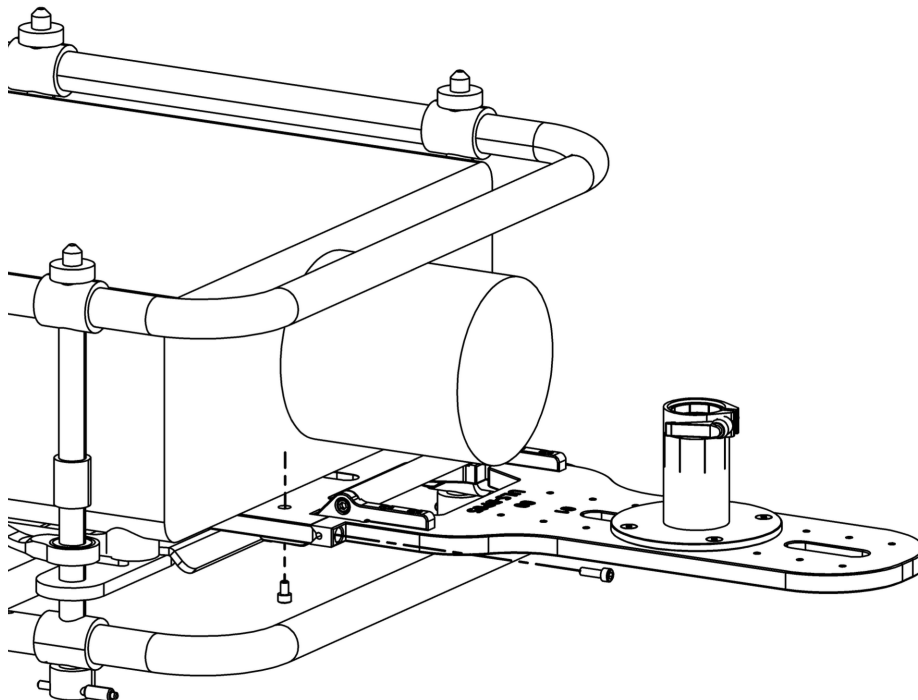
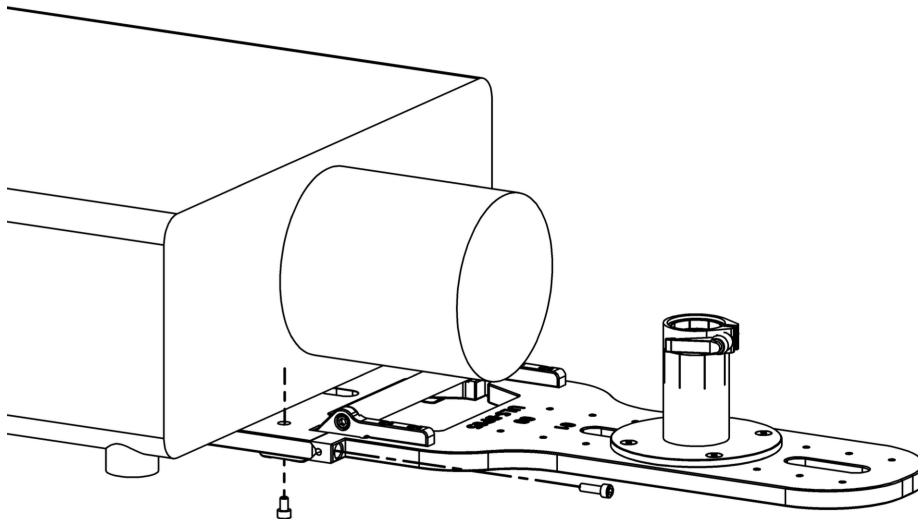
In any case, ensure that the mirror is mounted in a way that prevents any risk of damaging the projector lens.



Mirror	Mirror size	Pole	Lens	Range	Base plate BP05
M700	700 x 480 mm	P135	ILD 0.65-0.8:1	Full	Position 06
M480	480 x 340 mm	P088	ILD 0.65-0.8:1	≥ 0.7:1	Position 04
M480	480 x 340 mm	P088	ILD 0.8-1.0:1	Full	Position 04
M340	340 x 250 mm	P088	ILD 1.0-1.4:1	Full	Position 04
M340	340 x 250 mm	P088	ILD 1.4-2.1:1	Full	Position 02-04
M340	340 x 250 mm	P088	ILD 2.1-4.0:1	Full	Position 05-06
M340	340 x 250 mm	P056	ILD 4.0-7.4:1	Full	Position 05-06



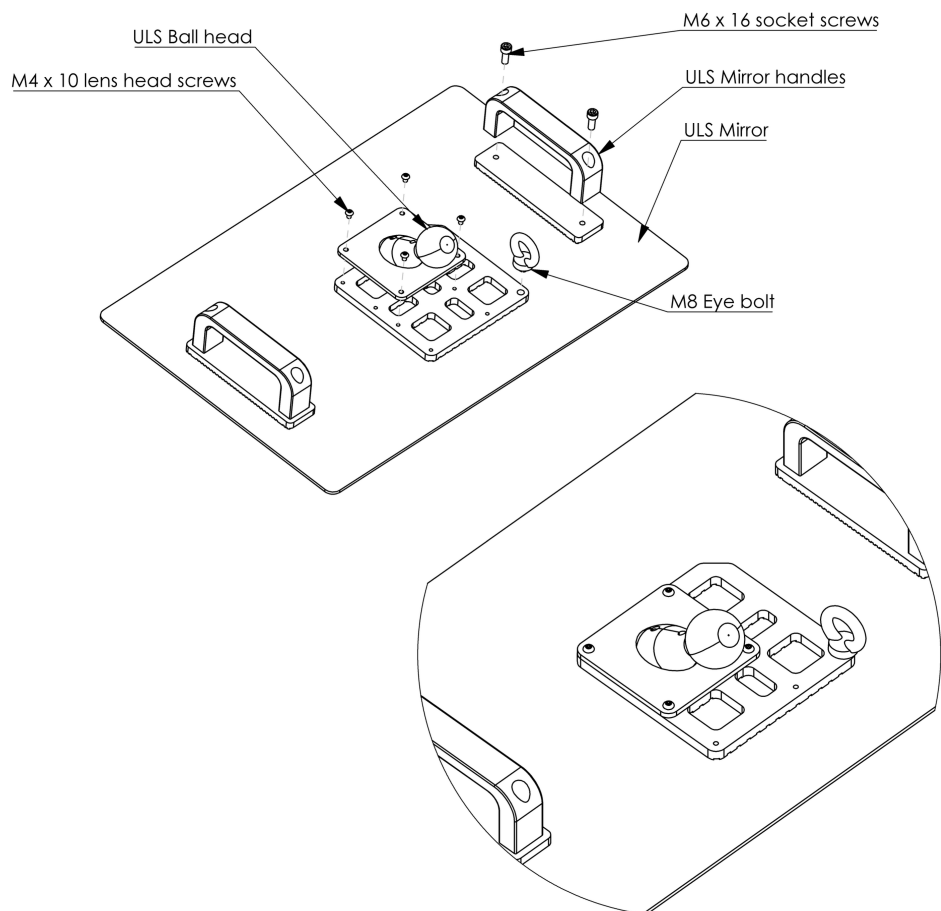
- 3 Mount the ULS Base Plate ULS-BP05 / ULS-BP02 onto the Projector Plate MHB-2604 by using 2x M6 x 20 socket screw and from below 2x M6 x 10 socket screws.





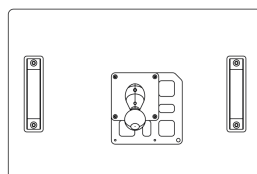
4 Mirror assembly – the figure shows a ULS-M340 mirror (340 x 250 mm)

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



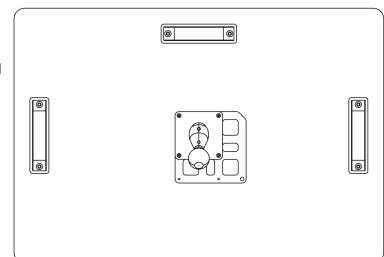
ULS Mirror M480

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



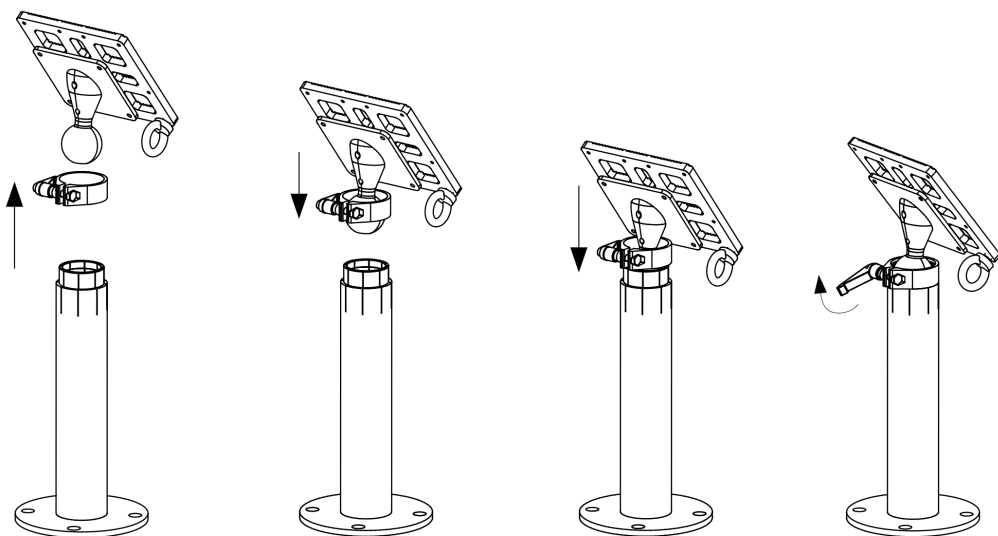
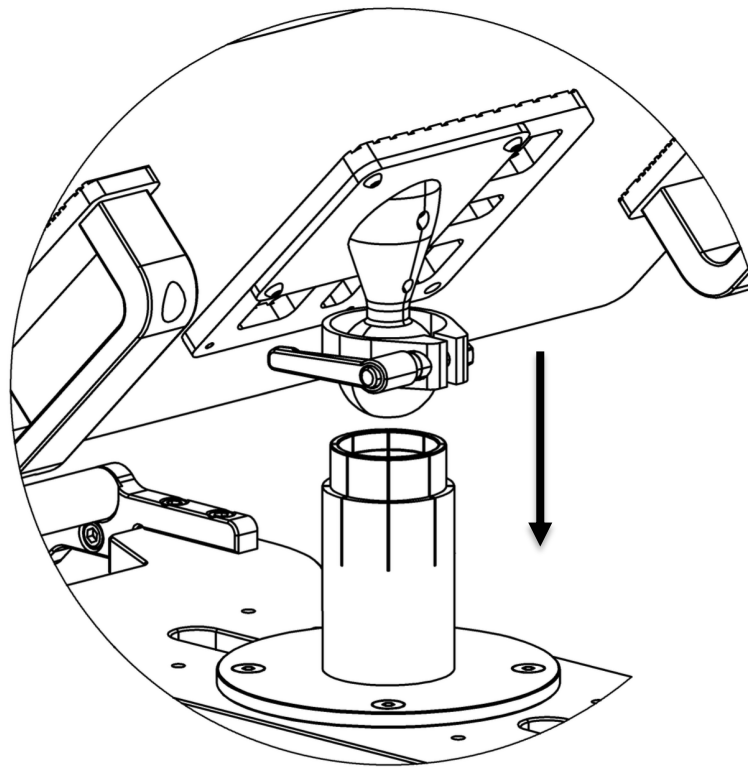
ULS Mirror M700

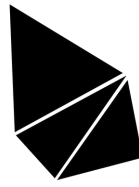
- Removable / changeable handles.
- Changeable positions of ball head
- Mirror size 700 x 480 mm
- Code: ULS-M700





- 5 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.





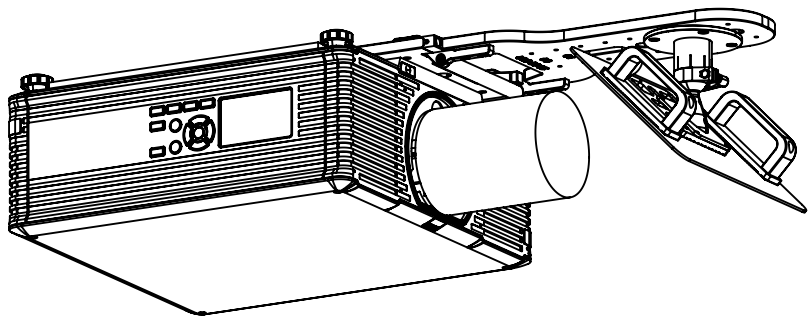
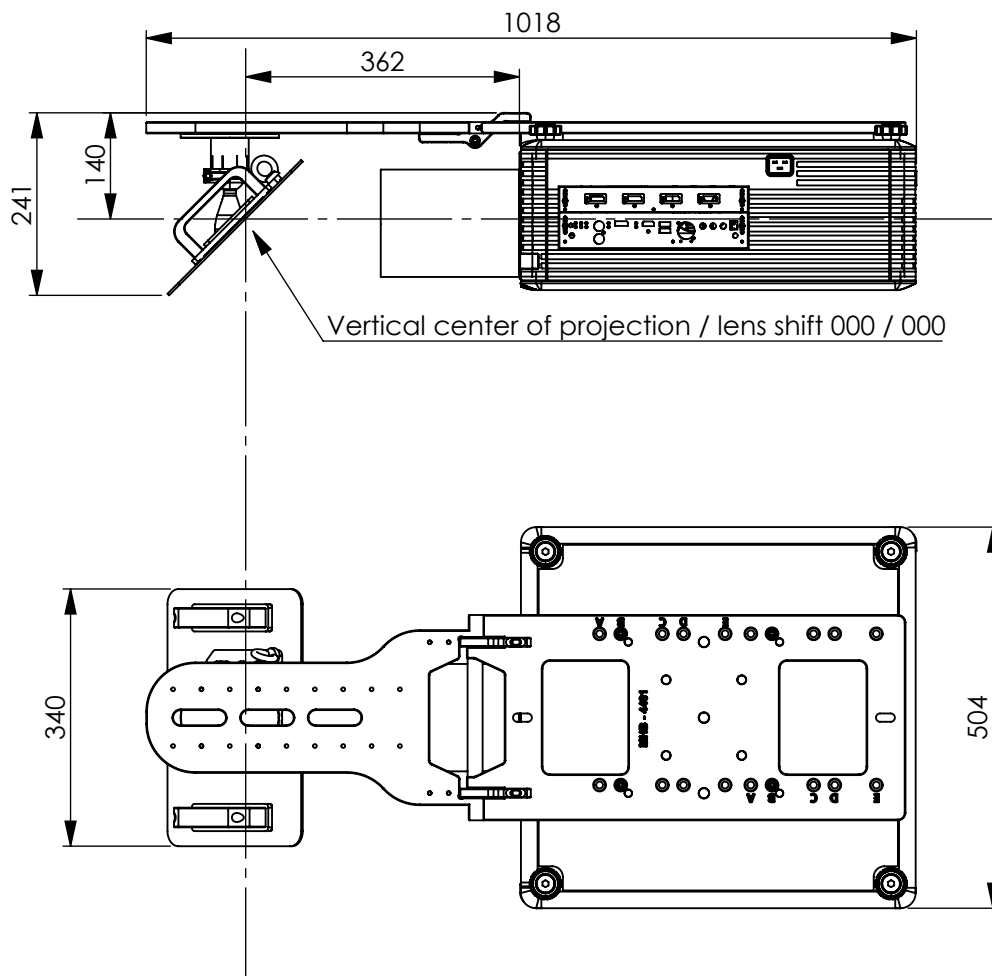
BARCO i600-4K15 + ILD 0.65-0.8:1, Frame EVO-P11 BE
ULS Mirror M480 (ULS Mirror Set 48/08)



BARCO i600-4K15 + ILD 0.65-0.8:1
ULS Mirror M480 (ULS Mirror Set 48/08)

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

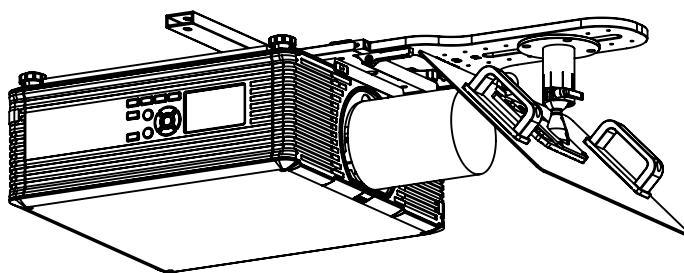
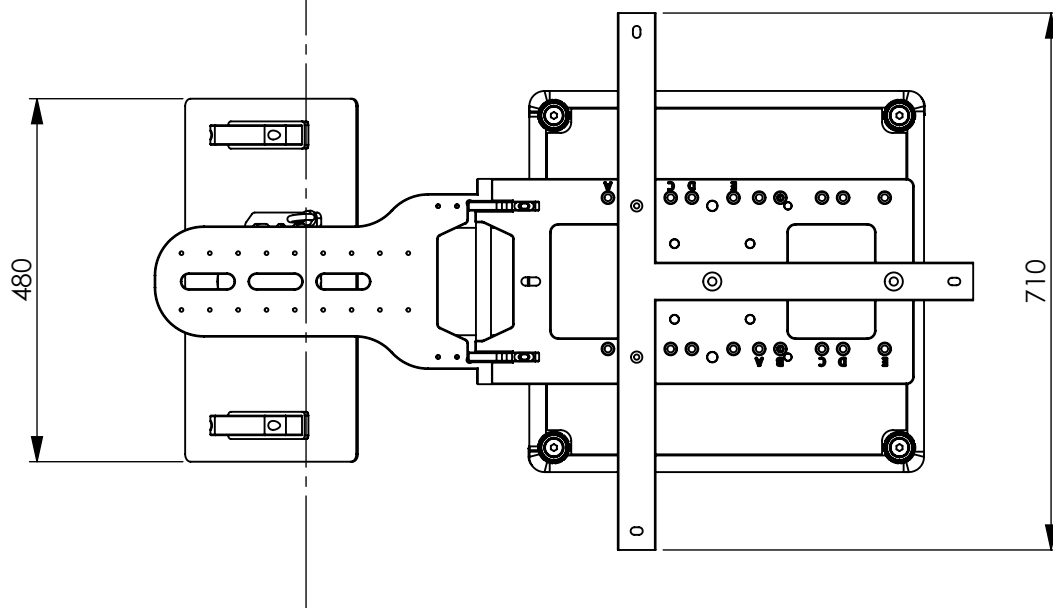
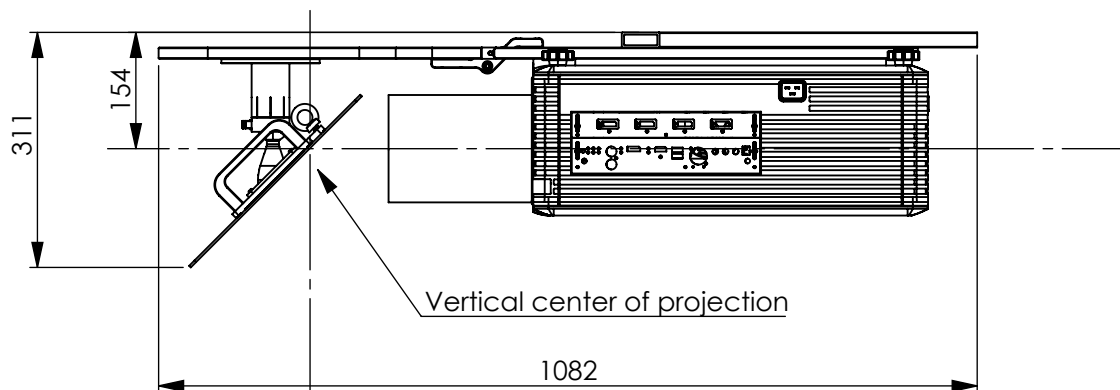
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Mirror Size M340 = 340 x 250 mm / Pole P088 - Pos 04 / Projector Plate Pos B

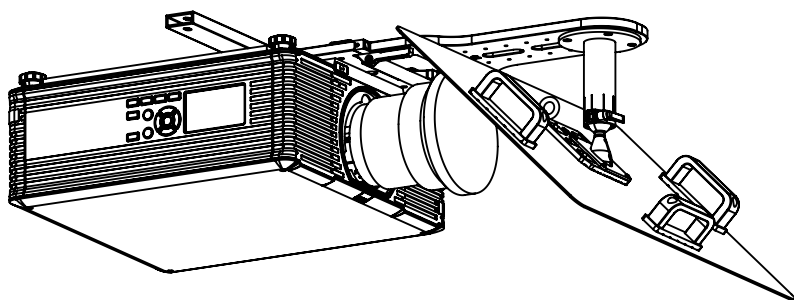
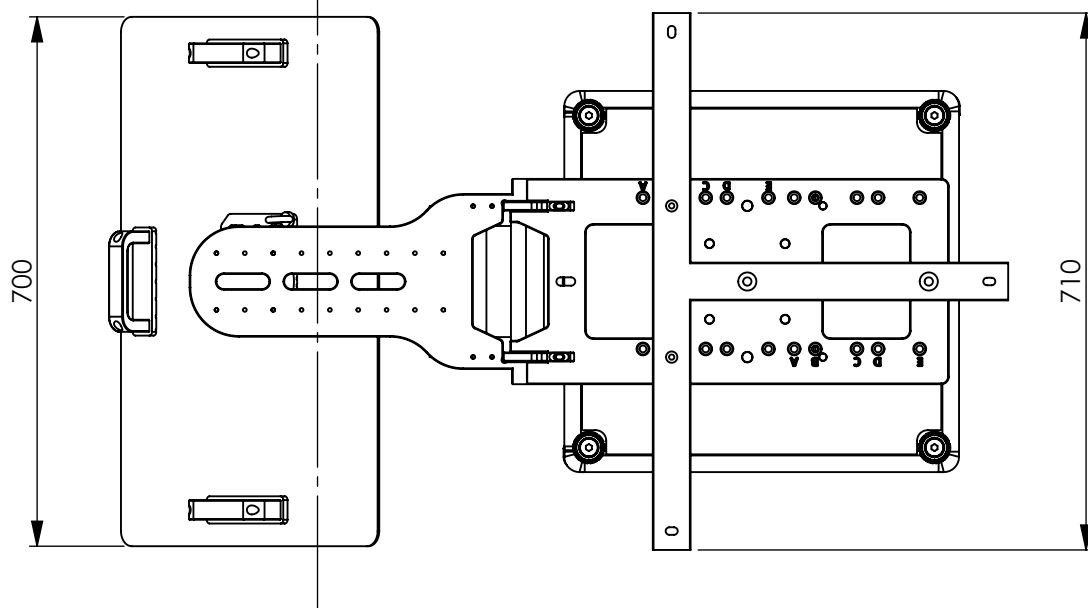
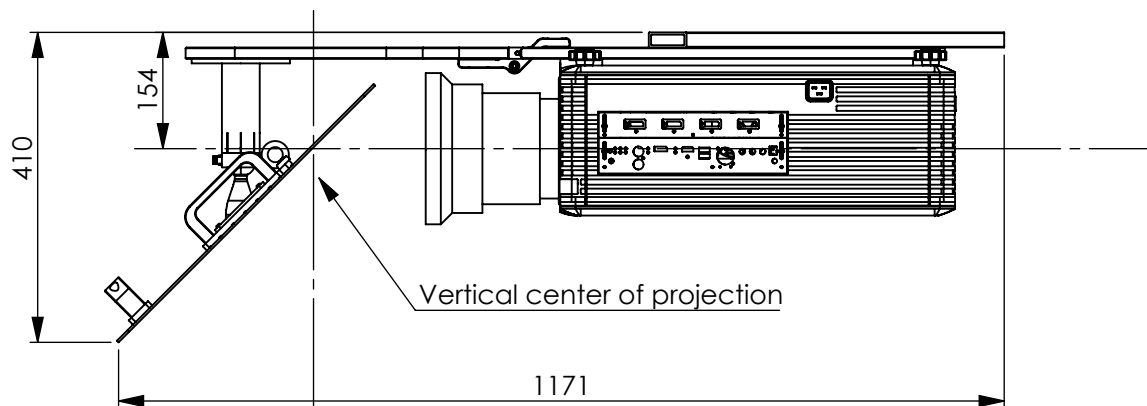
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						BENENNUNG:			
						ULS-MB-3408 + MHB-4401 with Barco i600 + 2.1-4.0:1 Lens			
						ZEICHNUNGSNR.			A4
						DPI-ULS-MB-3408_MHB-4401_Barco_i600_2.1-4.0:1			
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NAME	SIGNATUR	DATUM			
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GENEHMIGT					
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			GEWICHT:		



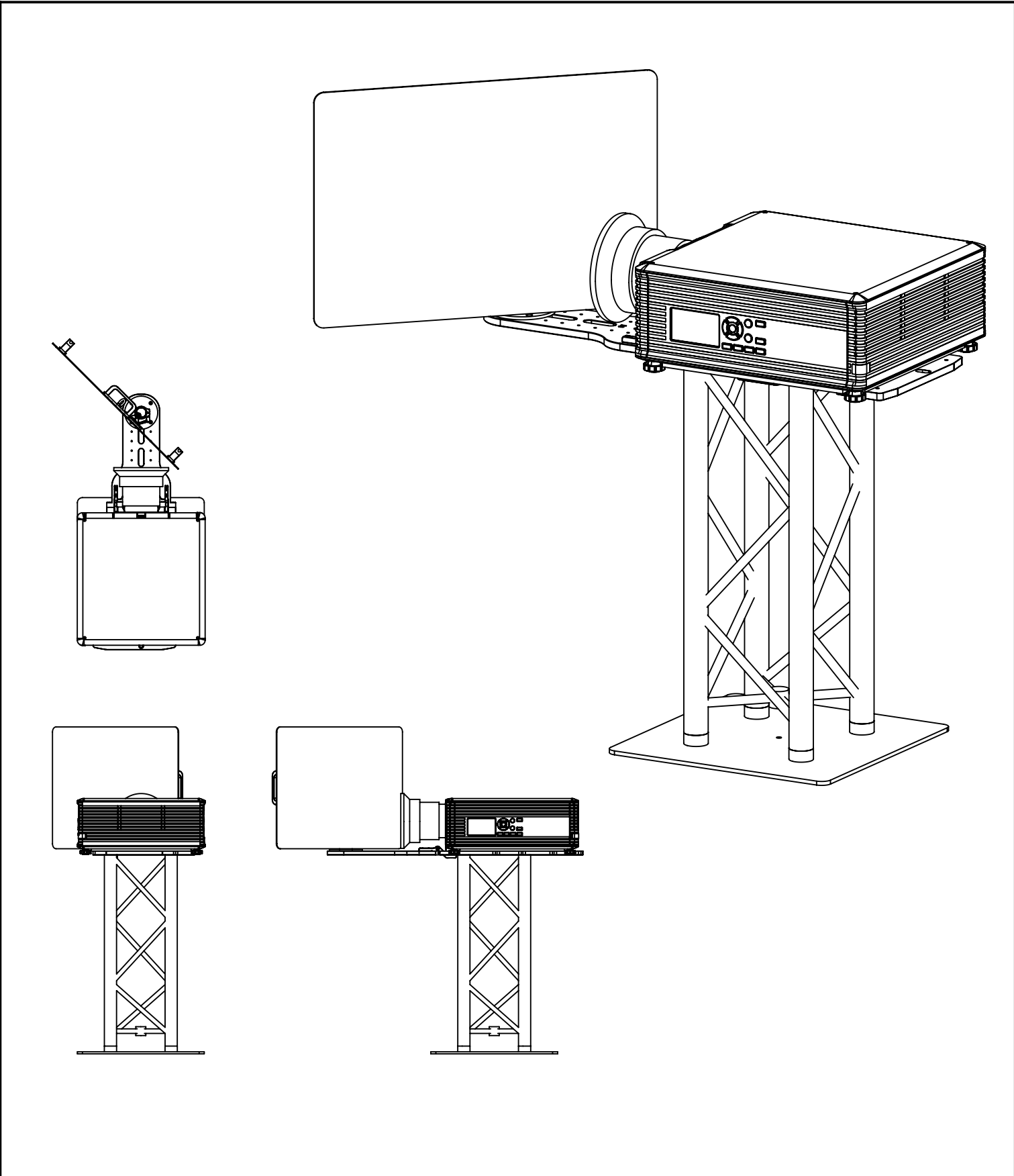
Mirror Size M480 = 480 x 320 / Pole P088 / ULS-BP05 Pos 4 / MHB-4401 Pos B

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DIN ISO 2768-1 m								 DYNAMIC PROJECTION INSTITUTE Copyright (c) 2014-2025 by Dynamic Projection Institute Herstellungs und Vertriebs GmbH. All Rights Reserved.			
	NAME	SIGNATUR	DATUM			BENENNUNG: ULS-MB-4808 + MHB-4401 Barco i600 0.8-1:1 with Ceiling Mount MHB-CM26					
GEZEICHNET	Stokic		22.12.2025								
GEPRÜFT											
GENEHMIGT											
PRODUKTION											
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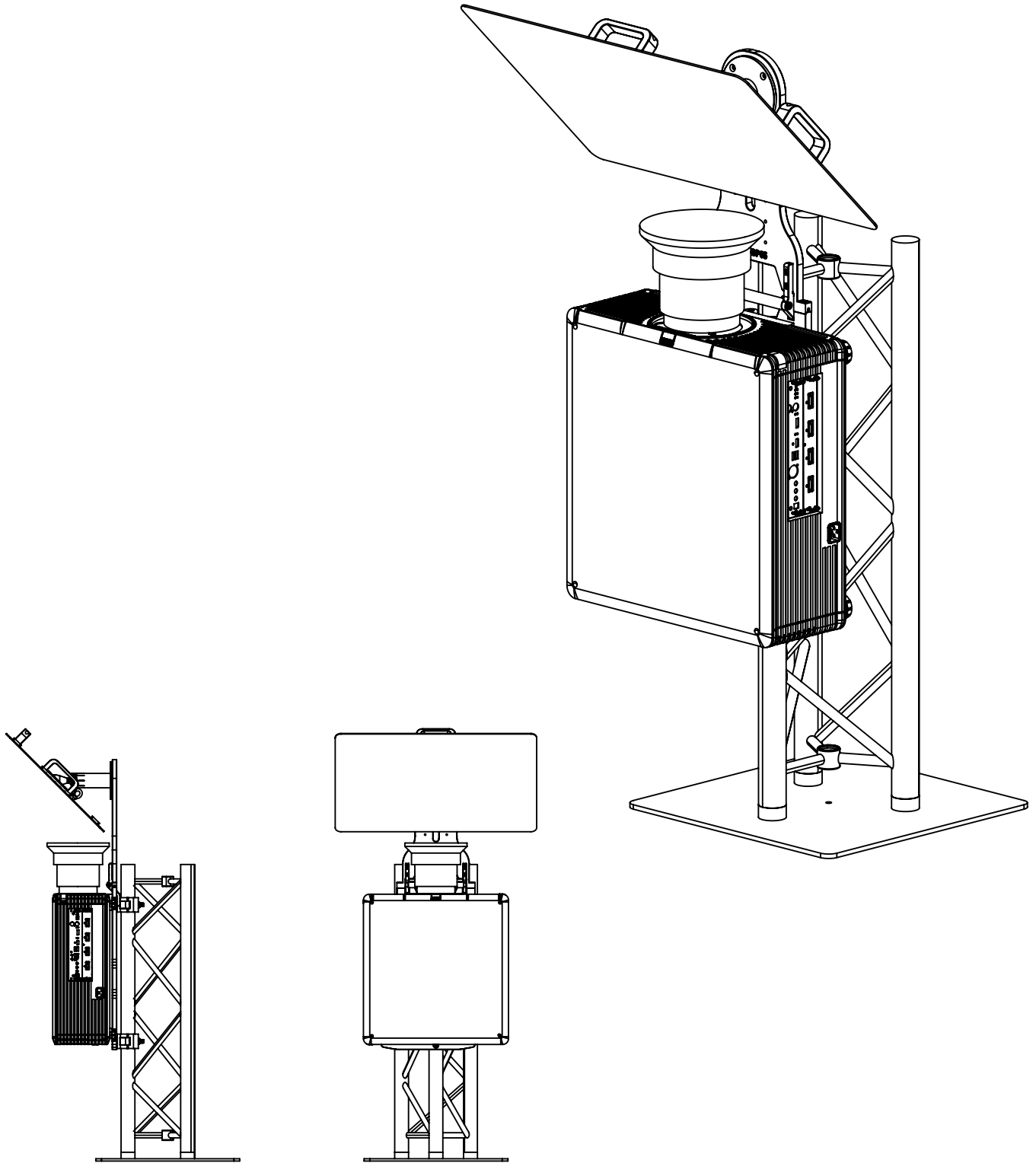
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DIN ISO 2768-1 m							 DYNAMIC PROJECTION INSTITUTE		Copyright (c) 2014-2025 by Dynamic Projection Institute Herstellungs und Vertriebs GmbH. All Rights Reserved.		
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GEZEICHNET	Stokic		22.12.2025								
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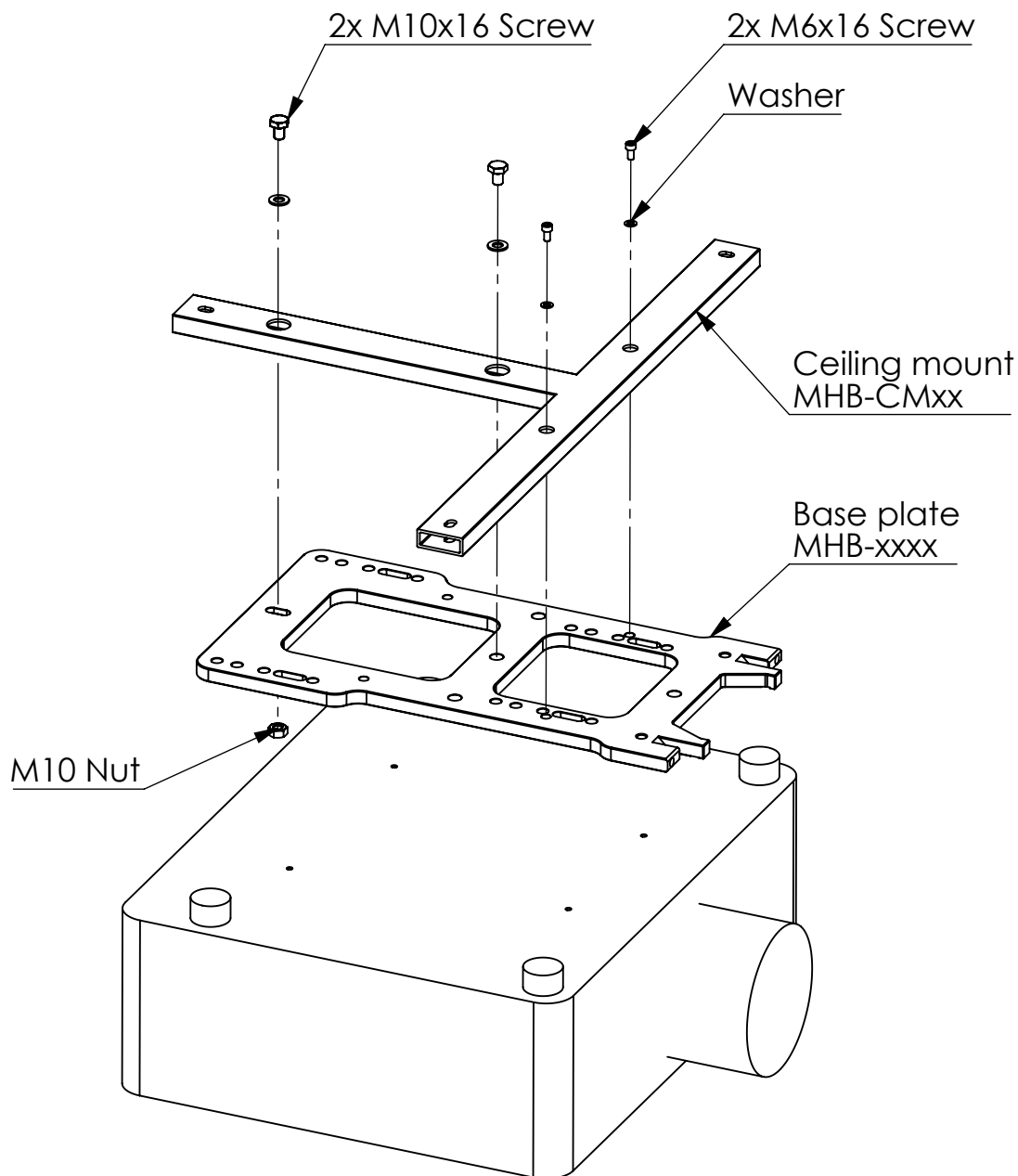


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BENENNUNG:		ULS-MB-7013 with Barco i600 4k10 ILD T.R.: 0.65-0.8:1 horizontal deflection							
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GEZEICHNET				
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PRODUKTION				
QUALITÄT				



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												 DYNAMIC PROJECTION INSTITUTE				Copyright (c) 2014-2025 by Dynamic Projection Institute Herstellungs und Vertriebs GmbH. All Rights Reserved.			
	NAME	SIGNATUR	DATUM					BENENNUNG: ULS-MB-7013 with Barco i600 4k10 ILD T.R.: 0.65-0.8:1											
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NAME Stokic		SIGNATUR		DATUM 05.04.2024		BENENNUNG: How to mount the ceiling mount MHB-CMxx to the projector plate			
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