

XLD (1.0 : 1)



Installation manual

R9852950

Barco nv Events

Noordlaan 5, B-8520 Kurne

Phone: +32 56.36.89.70

Fax: +32 56.36.88.24

E-mail: events@barco.com

Visit us at the web: www.barco.com

Changes

Barco provides this manual 'as is' without warranty of any kind, either expressed or implied, including but not limited to the implied warranties or merchantability and fitness for a particular purpose. Barco may make improvements and/or changes to the product(s) and/or the program(s) described in this publication at any time without notice.

This publication could contain technical inaccuracies or typographical errors. Changes are periodically made to the information in this publication; these changes are incorporated in new editions of this publication.

Copyright ©

All rights reserved. No part of this document may be copied, reproduced or translated. It shall not otherwise be recorded, transmitted or stored in a retrieval system without the prior written consent of Barco.

Guarantee and Compensation

Barco provides a guarantee relating to perfect manufacturing as part of the legally stipulated terms of guarantee. On receipt, the purchaser must immediately inspect all delivered goods for damage incurred during transport, as well as for material and manufacturing faults Barco must be informed immediately in writing of any complaints.

The period of guarantee begins on the date of transfer of risks, in the case of special systems and software on the date of commissioning, at latest 30 days after the transfer of risks. In the event of justified notice of complaint, Barco can repair the fault or provide a replacement at its own discretion within an appropriate period. If this measure proves to be impossible or unsuccessful, the purchaser can demand a reduction in the purchase price or cancellation of the contract. All other claims, in particular those relating to compensation for direct or indirect damage, and also damage attributed to the operation of software as well as to other services provided by Barco, being a component of the system or independent service, will be deemed invalid provided the damage is not proven to be attributed to the absence of properties guaranteed in writing or due to the intent or gross negligence or part of Barco.

If the purchaser or a third party carries out modifications or repairs on goods delivered by Barco, or if the goods are handled incorrectly, in particular if the systems are commissioned operated incorrectly or if, after the transfer of risks, the goods are subject to influences not agreed upon in the contract, all guarantee claims of the purchaser will be rendered invalid. Not included in the guarantee coverage are system failures which are attributed to programs or special electronic circuitry provided by the purchaser, e.g. interfaces. Normal wear as well as normal maintenance are not subject to the guarantee provided by Barco either.

The environmental conditions as well as the servicing and maintenance regulations specified in the this manual must be complied with by the customer.

1. XLD (1.0:1) LENS KIT

1.1 Contents of the XLD (1.0:1) Lens Kit

Kit contents

- XLD (1.0:1) Lens.
- Installation Manual.
- Toraysee™ Cloth.

1.2 Lens Removal

No lens mounted !

The projector leaves the factory with no lens mounted. To protect the engine from e.g. dust, the lens gap is sealed with a foam cover. Remove the foam cover before lens mounting.

How to remove the mounted lens

1. Support the lens with one hand. (image 1-1)
2. Move the lens lock (A) to the left to unlock the lens securing system.
3. Carefully pull the lens backwards. If the mounted lens is a zoom lens, pull carefully backwards until the connector is out of its socket (B)
4. Take the lens out the lens block.

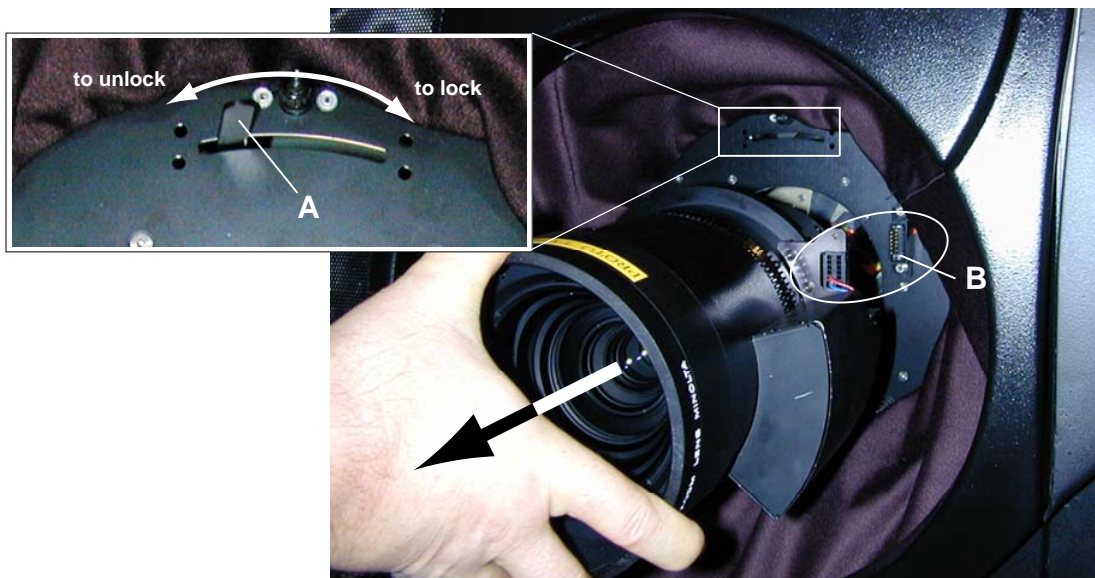


Image 1-1
Lens removal

1.3 Lens installation

How to install a lens ?

1. Unlock the lens securing system by putting the lock handle to the left (A). (image 1-2)
2. Move the rear of the lens into the lens block.
Note: On the lens block a reference pin (B) is provided to center the lens. For that reason the lens body is provided with a notch (A) which has to match the reference pin. (image 1-3)
3. Pull the handle (A) to the right to lock the lens securing system (image 1-2).

1. XLD (1.0:1) Lens Kit

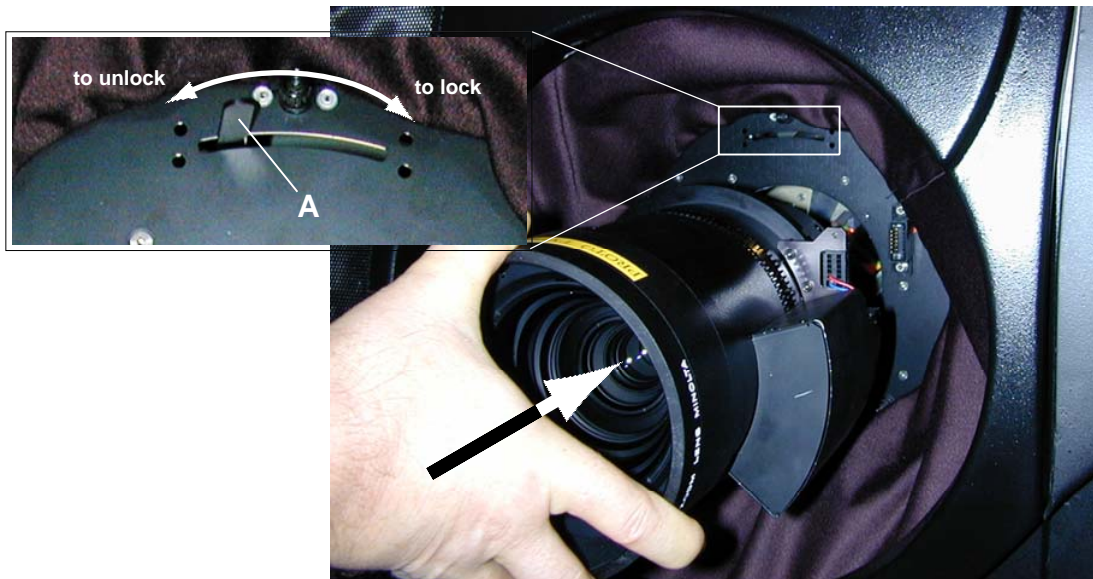


Image 1-2
Lens mounting

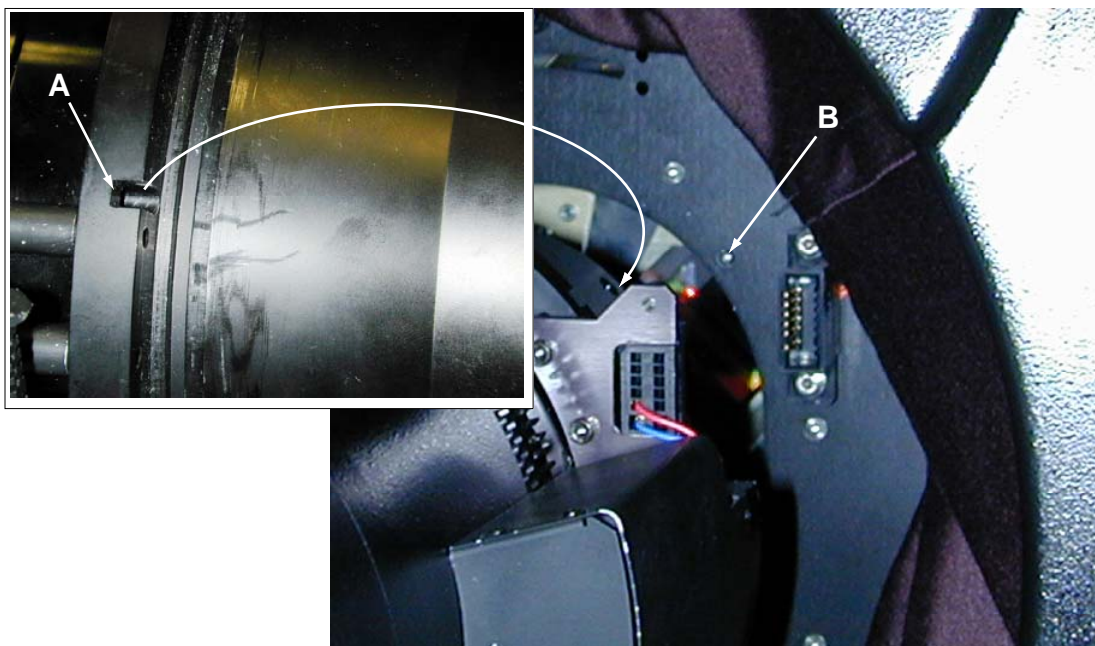


Image 1-3
Lens notch matching with reference pin

1.4 Cleaning the lens



To minimize the possibility of damaging the optical coating or scratching exposed lens surface, we have developed recommendations for cleaning the lens. **FIRST**, we recommend you try to remove any material from the lens by blowing it off with clean, dry deionized air. **DO NOT** use any liquid to clean the lenses.

Necessary tools

Toraysee™ cloth (delivered together with the lens kit). Order number : R379058.

How to clean the lens ?

Proceed as follow :

1. Always wipe lenses with a CLEAN Toraysee™ cloth.
2. Always wipe lenses in a single direction.
Warning: *Do not wipe back and forwards across the lens surface as this tends to grind dirt into the coating.*
3. Do not leave cleaning cloth in either an open room or lab coat pocket, as doing so can contaminate the cloth.
4. If smears occur when cleaning lenses, replace the cloth. Smears are the first indication of a dirty cloth.



WARNING: Do not use fabric softener when washing the cleaning cloth or softener sheets when drying the cloth.

Do not use liquid cleaners on the cloth as doing so will contaminate the cloth.



CAUTION: Other lenses can also be cleaned safely with this Toraysee™ cloth.

2. LENS SPECIFICATIONS

2.1 Lens Formula

Calculation of the Projector distance (PD) as function of the Screen Width (SW)

| Lens | Formula |
|-------------|---------------------|
| XLD (1.0:1) | $PD=1.03 \times SW$ |



Due to production tolerances the real distances can differ by 2% from these calculated values.
For critical situations this should be taken into account.

2.2 Projector Distance determination

Reference for measuring the PD

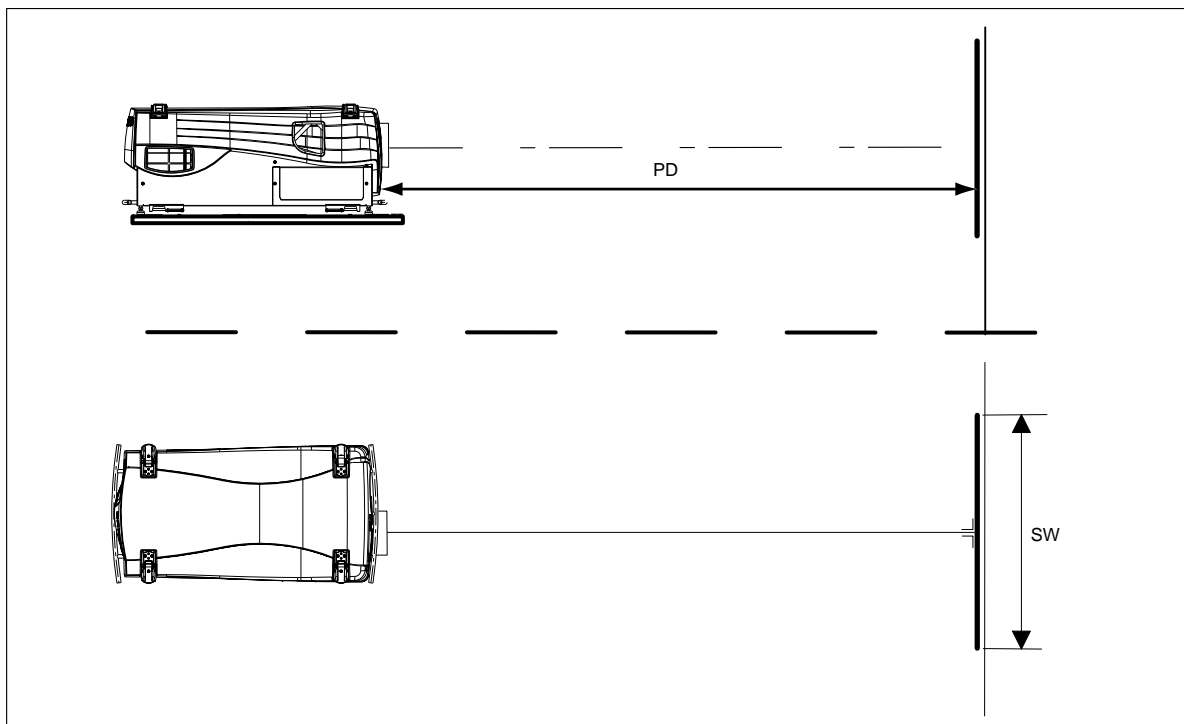


Image 2-1
PD measuring

The projection distance is the distance between front projector and screen surface, measured perpendicular onto the screen.

Revision Sheet

To:

► **Barco nv Events/Documentation**
Noordlaan 5, B-8520 Kuurne
Phone: +32 56.36.89.70, Fax: +32 56.36.88.24
E-mail: antoon.dejaegher@barco.com, Web: www.barco.com

From: _____

Date: _____

Please correct the following points in this documentation (**R5976818/00**):

page

wrong

correct