

## How to unpack

1. Remove the banding around the cardboard box and open the box. Do this by releasing the fastening clips as illustrated.

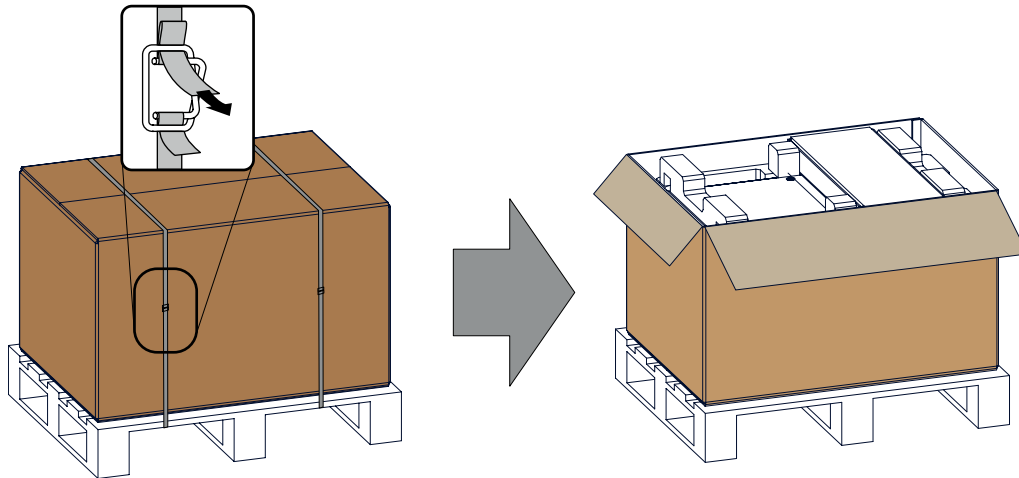


Image 2-2  
Opening box

2. Remove the small box on top of the projector. This box contains the accessories such as manuals, remote control, etc.

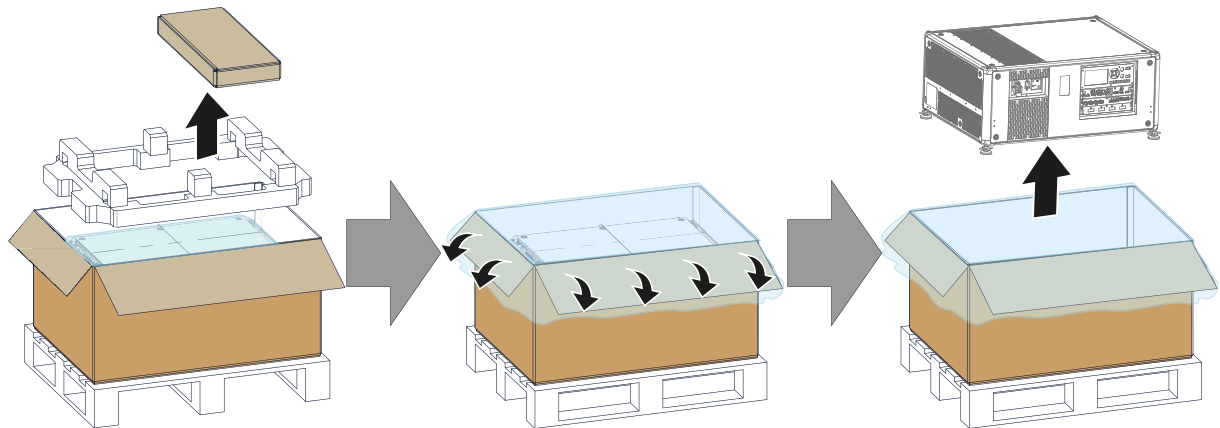


Image 2-3  
Remove accessory box, polymeric foam and projector

3. Remove the polymeric foam from the top of the projector.
4. Open the plastic bag and lift the projector out of its packaging



**Save the original shipping cardboard box and packing material. They will be necessary if you ever have to ship your projector. For maximum protection, repack your projector as it was originally packed at the factory.**



**A plastic lens holder cover is placed into the lens opening of the projector. It's recommended to reuse this cover each time you transport the projector. This to prevent intrusion of dust and foreign particles.**



**The lens is delivered in a separate box.**

### 2.3 UDX flight case

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#### Introduction of the UDX flight case

The UDX flight case is designed to transport the UDX in a safe and secure manner, with or without being mounted in its rigging frame. There's also sufficient space in the flight case to place the projector while mounted in the UDX rigging frame. The four caster wheels, provided with breaks, and the eight handles make the UDX flight case easy to handle. The floor of the flight case wagon is equipped with two small covered compartments to store the remote control and the rigging clamps.

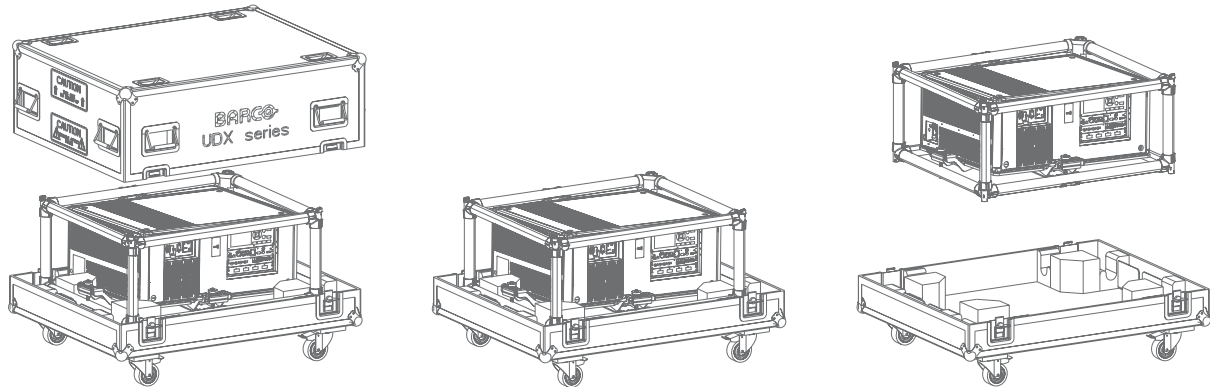


Image 2-4  
UDX Flight case

Order number flight case: **R9855884**

The dimensions of the flight case are optimal for maximum utilization of the floor area of a truck. The cover of the UDX flight case has four stacking dishes, which allows to stack the flight cases.



**WARNING: Maximum stack 2 UDX flight cases high. Never higher.**

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### 2.4 Initial inspection

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#### General

Before shipment, the projector was inspected and found to be free of mechanical and electrical defects. As soon as the projector is unpacked, inspect for any damage that may have occurred in transit. Save all packing material until the inspection is completed. If damage is found, file claim with carrier immediately. The Barco Sales and Service office should be notified as soon as possible.

#### Box content

After unpacking the projector it is recommended to check if all following items were included:

- One power cords of 2.7 m (3G10, 32A)
- One Quick Start guide
- One Safety manual
- One Web site reference sheet
- One remote control unit (RCU)
- 2 batteries for the RCU.

#### Mechanical check

This check should confirm that there are no broken knobs or connectors, that the cabinet and panel surfaces are free of dents and scratches, and that the operating panel is not scratched or cracked. The Barco Sales and Service office should be notified as soon as possible if this is not the case.

### 2.5 Projector configurations

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#### The different configurations

Depending on the installation the projector can be mounted in different ways, the different configurations are:

1. Front / Table (F/T)
2. Front / Ceiling (F/C) (upside down)
3. Front / Ceiling (F/C) (table position)
4. Rear / Table (R/T)
5. Rear / Ceiling (R/C) (upside down)
6. Rear / Ceiling (R/C) (table position)

### Front projection

The projector is installed, either in a table mount or ceiling mount configuration, at the same side of the screen as the audience.

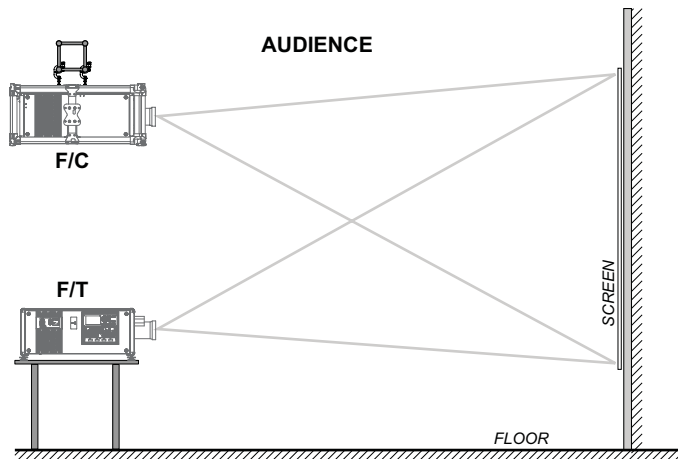


Image 2-5  
Front projection

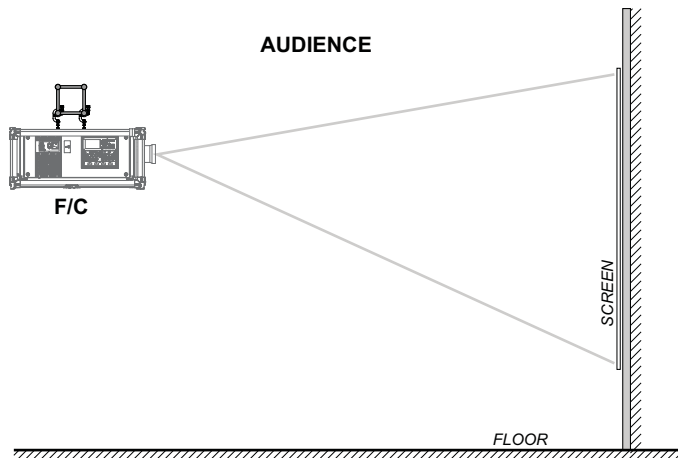


Image 2-6  
Front projection, Ceiling mounted, in table position

### Rear projection

The projector is installed, either in a table mount or ceiling mount configuration, at the other side of the screen opposite the audience.

## 2. Installation preparations

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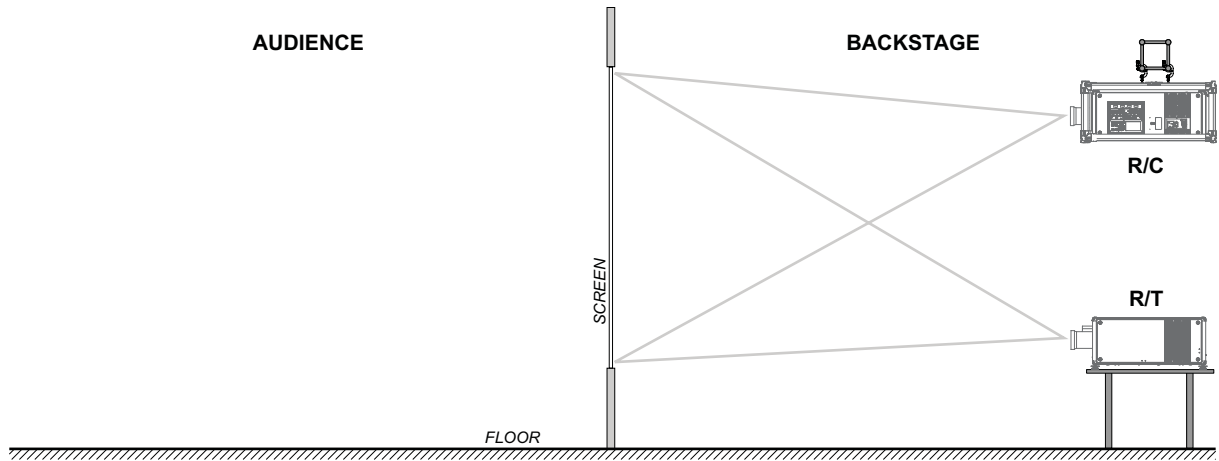


Image 2-7  
Rear projection

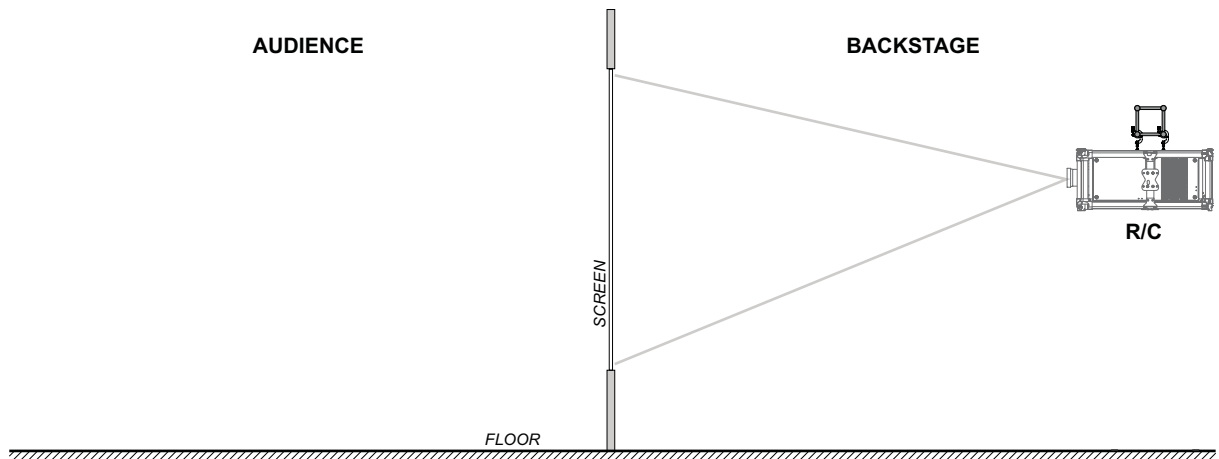


Image 2-8  
Rear projection, ceiling mounted in table position

## Positioning the projector

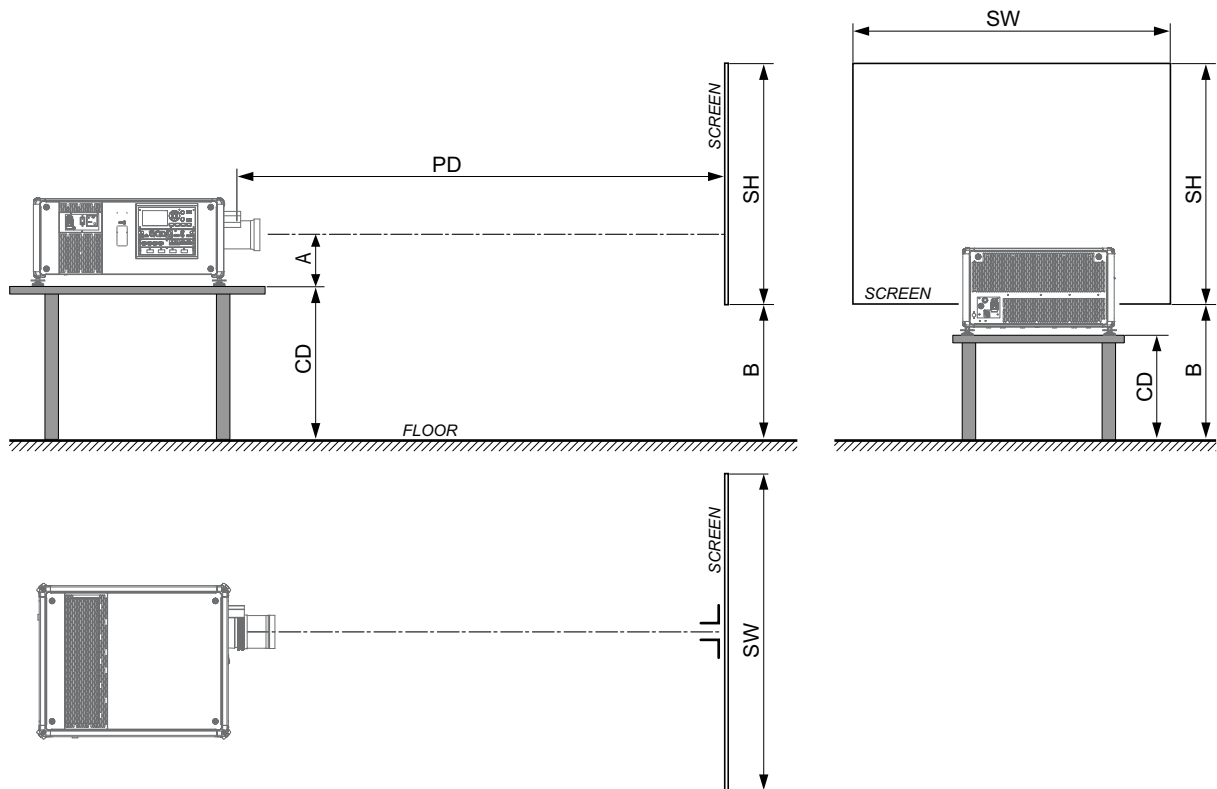


Image 2-9  
Positioning the projector

The projector should be installed at right angles (horizontally and vertically) to the screen at a distance PD. Note the distance (A) between lens centre and table surface is slightly variable. This distance (A) is nominal 223 mm in case all feet are turned in completely and the vertical lens shift is set to zero (0).

### On axis / off axis projection

The position of the projector with reference to the screen may also be different depending on the installation. Basically the projector can be positioned in On-Axis or Off-Axis configuration. On-Axis configuration means that the projector is positioned so as to have the centre of the lens coinciding with the centre of the screen. Off-Axis projection is obtained by shifting the lens up, down, left or right. Several parameters can be calculated determining the position in any installation.

Formula to calculate the distance CD for On-Axis projection:  $CD = SH/2 + B - A$

### Shift range

The lens can be shifted with respect to the DMD (P) which result in a shifted image on the screen (Off-Axis). A 100% shift means that the centre point of the projected image is shifted by half the screen size. In other words, the centre point of the projected image falls together with the outline of the image in an On-Axis projection. Due to mechanical and optical limitations it's recommended to keep the shift values within the field of view (F) as illustrated below. Within these shift ranges the projector and lens perform excellently. Configuring the projector outside these shift ranges will result in a slight decline of image quality.