

The ceiling projection mirror mainly consists of a metal frame for installing projectors between the structural ceiling and the suspended/finished ceiling.

The video projector is fixed inside the frame on a carrier plate. This plate can easily be taken out of the frame. This means that the projector can easily be mounted and removed.

The projection beam is directed from the ceiling to the screen by two mirrors. The second, adjustable mirror drives down for projection. The final position can be set easily by the adjustable dead stop. The first, fixed mirror is adjusted to the lens position and can be easily adjusted to the correct optical axis by its three point support.

Performance Features

- The projector is invisible - it does not disturb the room design, it is protected against damages and the sound of the fan is muffled
- In the closed position, the opening is covered by the mirror flap. It can easily be adapted to the ceiling design
- The ceiling cover can be installed overlapping or with a minimal slot, so that an "invisible" installation is possible
- The ceiling opening is smaller than a ceiling plate of standard pattern ceilings
- Both mirrors are high quality surface mirrors made of glass
- Easy adjustment of the projected image to the screen
- Externally controllable via contact closure using remote control systems
- The cover of the mirror flap can be removed with the help of the snap lock mechanism in the unlikely case of a defect. This ensures easy access to the motor.

- The integrated jamming protection safely prevents injuries or the jamming of cables
- The projector can easily be removed through the ceiling opening for maintenance. An additional service opening is not necessary
- Low mounting height – it can be used even in tight spaces between the raw and finished ceiling
- With its universal 24V power supply, the ProFLECT II can be installed worldwide

Architectural specifications

The architectural specifications are at your disposal on the Internet under www.comm-tec.de or can be asked for from COMM-TEC directly.

Type: ProFLECT II

Manufacturer: COMM-TEC

Important!

Please note the following when selecting the projector:

1. The projector is mounted in an upright position. You should use projectors that have fixing points on the bottom side of the housing.
2. The lens of the projector should be fixed to project onto the middle of the adjustable mirror for optimum results. Please consider this when using projectors with lenses mounted in extraordinary positions or when the overall width of the projector is near the maximum allowable width. The slimmer the projector, the better the middle axis can be set with the position of the projector or the small fixed mirror. In order to better center the lens position, the drive motor of the mirror flap can be mounted on the left or the right side.
3. Depending on the height of the projector or if the housing has very rounded or slanted back edges, the max. length may be longer. You can also mount longer projectors in ceilings that allow for an access to the front side (the side that is facing the

screen) of the ProFLECTII. The mounting / removal of the projector is then effected through the ceiling in front of the ProFLECT II ceiling mirror.

4. Please check where the power cord and the signal line are plugged in on the projector. The manufacturer's indication of the size are usually those of the housing only. Mounted cables can enlarge the size by a few centimeters.
5. Ventilation openings should not be blocked.
6. Using projectors with telephoto lenses may cause image distortion due to the fact that the lenses do have sharpness problems. Therefore we do not recommend the use of this kind of lenses in combination with the ProFLECT without prior testing, since the effect may differ from lens to lens.

Please consider the following points when planning and mounting the ProFLECT II Ceiling Mirror:

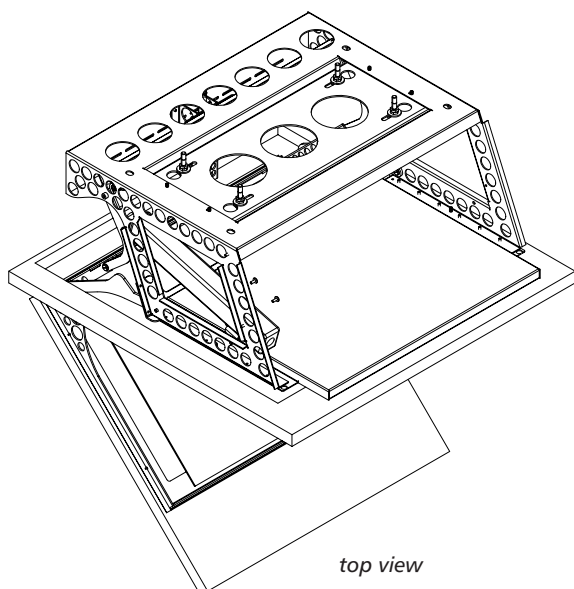
1. The middle axis of the image of the projector should be in the middle of the screen, image adjustments to the side are only possible to a limited

extent.

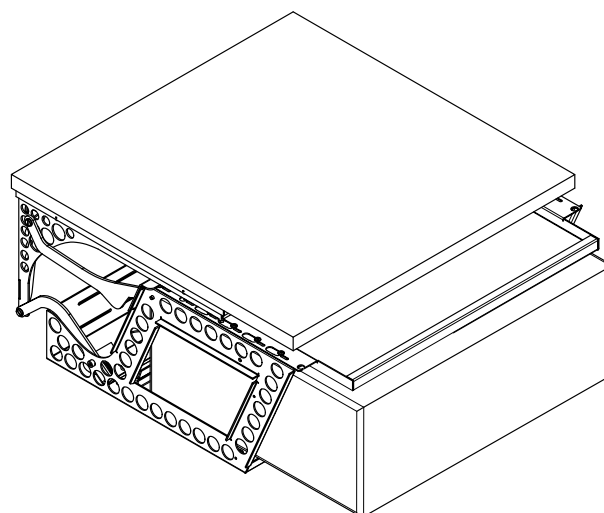
As the lens position is not necessarily in the middle of the ProFLECT it is possible that the ceiling mirror has to be mounted outside the middle of the screen.

For patterned ceilings it is recommended to mount the ceiling projection mirror in one ceiling element and to plan the position of the screen centered to the middle axis of the image.

2. The distance between the upper edge of the image and the lower edge of the ceiling should not be too large. A keystone distortion of the image could result.
3. The image size can be adjusted by the zoom function with most projectors. But you should ensure that the adjusted image size can also be reflected on both mirrors without losses. It is preferable to choose the mounting site further away from the screen (long focal width).
4. If the ceiling projection mirror is mounted in an enclosed ceiling opening, adequate ventilation should be provided for.

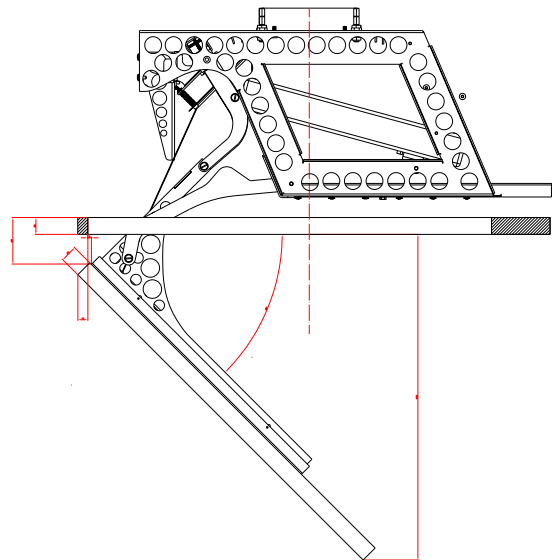
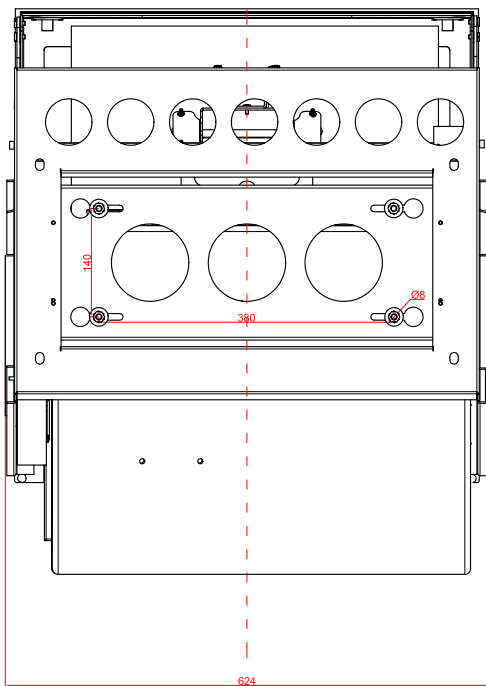
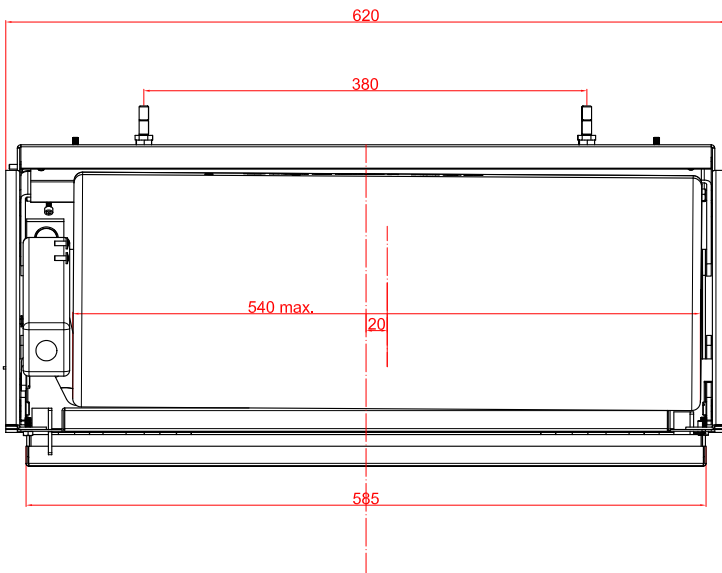
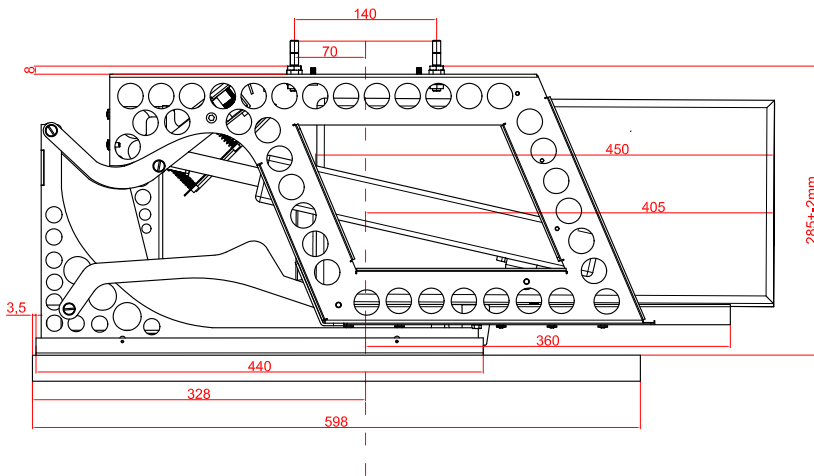


top view



bottom view

All measures in mm



Technical specifications

Type	ProFLECT II
Description	Ceiling Projection Mirror
Cat.-No.	706030
Drive	Electronic spindle drive with load breaking, mounted on the left
Operating voltage	primary 85-265 V 50-60 Hz, secondary 24 V DC
Power supply	max 1,3 A
Power cord	connection clamp
Control	2 dry contacts, clamp connection
Protection Class	IP65
Rated service time	ED 50%
Temperature range	-20° C to +70° C
Operating Time	app. 15 sec
Jamming protection	electronic limitation of pressure
Max. weight of the ceiling cover	10 Kg
Design	Metal frame, welded, colour black
Overall dimensions framework:	624 mm x 285 mm x 685 mm (W x H x D)
Ceiling cutout	600 mm x 600 mm (W x D)
Weight	19 kg
Mirror	Surface mirror made of glass
Plane	according to DIN 3140, part 5 up to 3/0,5
Surface flaws	according to DIN 3140, part 7 up to 3/1 x 0.016
Abrasion resistance, adhesiveness and durability	according to MIL-M 13508 C
Dimensions	Small mirror 115 mm x 150 mm (H x W), 45° geneigt
	Large mirror 406 mm x 485 mm (H x W), 45° geneigt

Maximum projector dimensions:

If installed without additional maintenance opening

- Height 200 mm
- Depth 450 mm
- Width 540 mm

subjects to change without notice