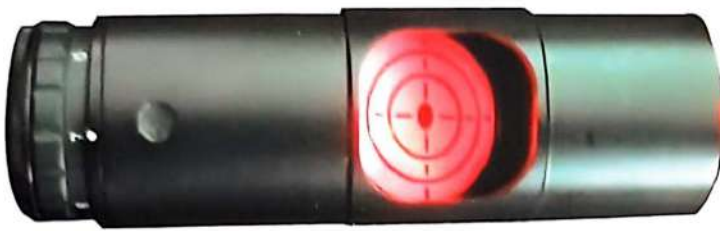


Next Generation Laser Collimator

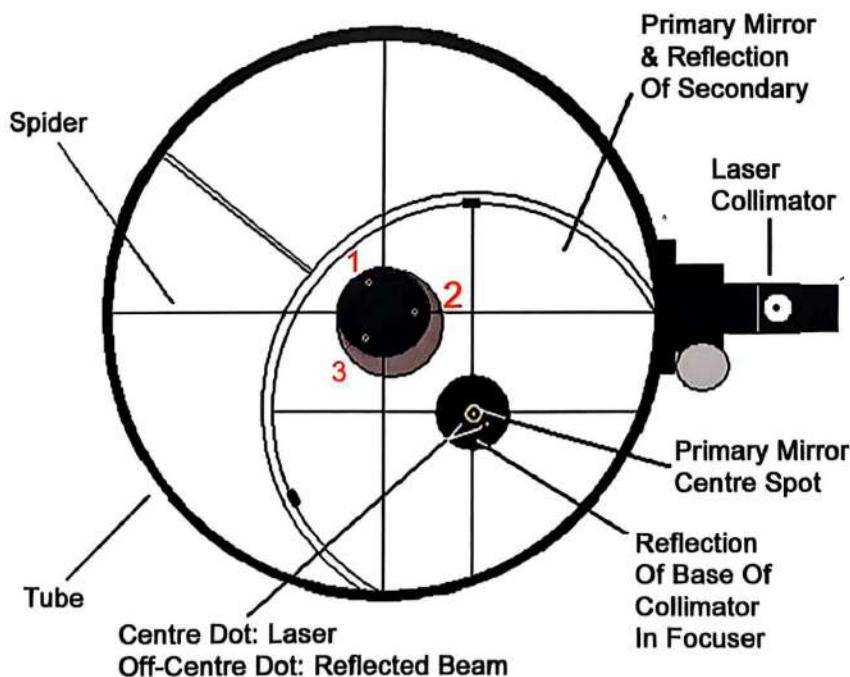


The next generation Laser Collimator for mirror (refractor) telescopes, has a 45 degree reticle plate made of aluminum for easier visual accuracy.

Collimation is the alignment of elements inside an optical system like a telescope. Collimating a telescope consists of adjusting the tilt and position of the mirrors and lenses, to ensure that the focal point reaches optimum focus at the point from which the image will be viewed.

Many factors can affect the alignment of your optical system. Vibrations from movement or expansion and contraction from temperature changes, can cause the mirrors to move slightly. A mirror which is not properly aligned will cause the light path to shift. The changes to the optical system's light path will cause an image to become blurry or unviewable.

In order to ensure that you are seeing the best images your telescope is capable of providing, you should collimate your telescope before each use. Additionally, you should collimate your telescope any time images become blurry.



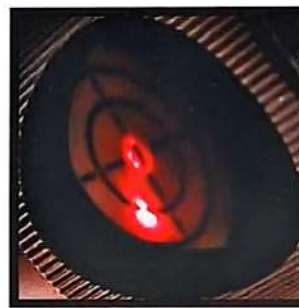
*Note: 1mw model available for the European market

INSTRUCTIONS

1. Ensure that the secondary mirror is squarely under the focuser. You should see all three retaining clips for the primary mirror reflected in the secondary.

2. Use the 2" adapter sleeve if you intend to use 2" eyepieces and place the laser into the focuser with the window pointing towards the primary mirror end of the telescope and switch it on.

3. Wave your hand in front of the telescope and see if the laser is exiting without hitting the secondary on the return. Also look through the side window of the laser collimator to see if the laser is returning to the face of the laser.



Improperly Aligned



Properly Aligned

4. Adjust screws 1, 2, or 3, or a combination to move the laser into the middle of the primary mirror centre spot.

5. If the return beam is not parallel with its origin, you will have to move the collimation screws on the primary mirror. A final test can be done on a star.

2" adapter sleeve ▷



WARNING

- Do not look directly into the laser beam! Permanent eye damage may result!
- Avoid prolonged skin exposure to laser - rashes and/or burns may occur!

**Models shown may differ in aesthetic styles and colours.