

COLLIMATOR

Meaning: A collimator is an optical device that narrows a beam of light or other radiation to ensure it remains parallel.

1. The collimator ensures that the beam of light remains parallel as it exits the device.
2. In astronomy, a collimator is essential for aligning telescopes accurately with distant celestial objects.
3. The technician adjusted the collimator to enhance the focus of the laser during the experiment.
4. For optimal imaging in X-ray machines, a precise collimator is crucial to reduce scatter radiation.
5. Engineers developed a new type of collimator that improves resolution in high-energy particle detectors.

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