

Tactical TwinBeam

New Infrared Laser for operation in urban environments.

The tactical TwinBeam is an additional development in the TwinBeam product family. It is designated for use with night vision equipment in urban or similar areas with limited fields of view and indoor use in buildings or tunnel structures.

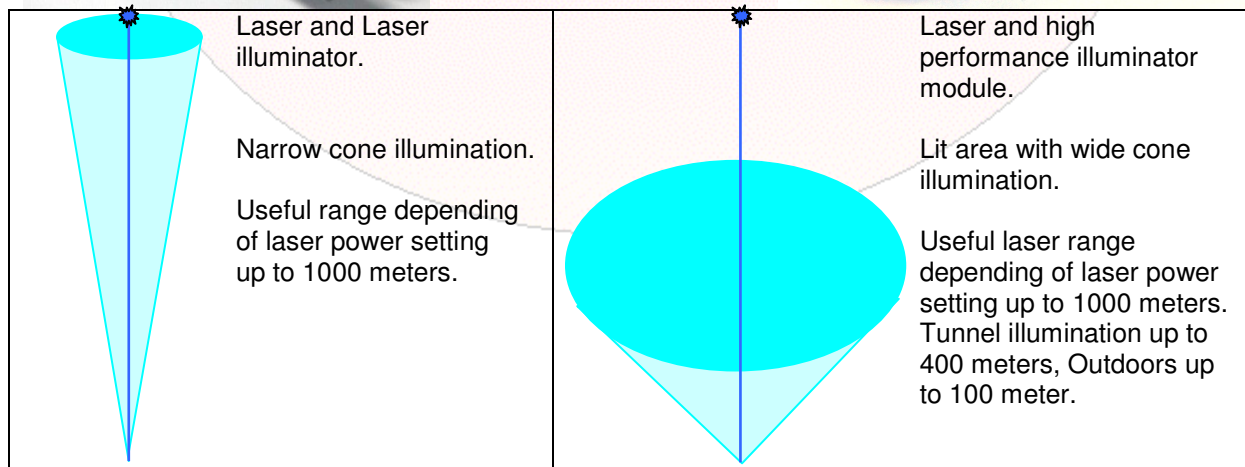
For such tasks the classical TwinBeam is often used fitted with two infrared Lasers. One of the lasers was adjusted with an open beam to illuminate the immediate surrounding of the target. Because two laser were used, they are usually required to be adjusted to eye safe power settings. In some conditions the narrow beams shape somewhat limits the area of illumination. The beam width of the illuminator can be increased but the light intensity especially of a class 1 laser is then strongly diminished. However if the system power is increased it is possible that the reflections on a short range target are so strong that they can be disturbing.

The tactical TwinBeam fitted with one infrared laser and a high power infrared illumination module offers a real alternative for such typically urban environments. In indoor areas and tunnel like structures a much better field of view reaches otherwise dark corners and edges. Due to the high power performance of the module the same is true outdoors for a field of view in excess of 100 meters. The use of safe laser power setting is hardly limited as the illuminator module is designed for use with eye safe lasers.

Light pattern classical TwinBeam



Light pattern tactical TwinBeam



Technical Data:

<http://www.ilee.ch/Datenblaetter/0065-xx-94-02-005%20%20%20TwinBeam.pdf>

<http://www.ilee.ch/Datenblaetter/0065-41-94-02-001%20%20%20TwinBeam%20Urban.pdf>