Product Data sheet (Preliminary)
PR-H PIl-W976
March 3, 2010

High Power Laser Illuminator

Key Features

- High power output 630W (Equivalent to 50,000 lumens)
- Brightness- 40,000 lumens/square meter at a distance of 50 meters
- Beam Divergence 8mR
- Center wavelength 976nm
- Narrow wavelength spread (10nm)
- Uses highly reliable Vertical Cavity Surface Emitting Laser technology
- Water cooled
- Reliable- field operable
- Dimensions: 21 x 17 x 19 in
- Weight: ~70 lbs
- Illuminators can be developed at 808 and 1064nm

Applications

- High speed (million frames/sec) imaging through explosions by IEDs or shaped charge explosives
- For use with narrow band filters for background rej ection.

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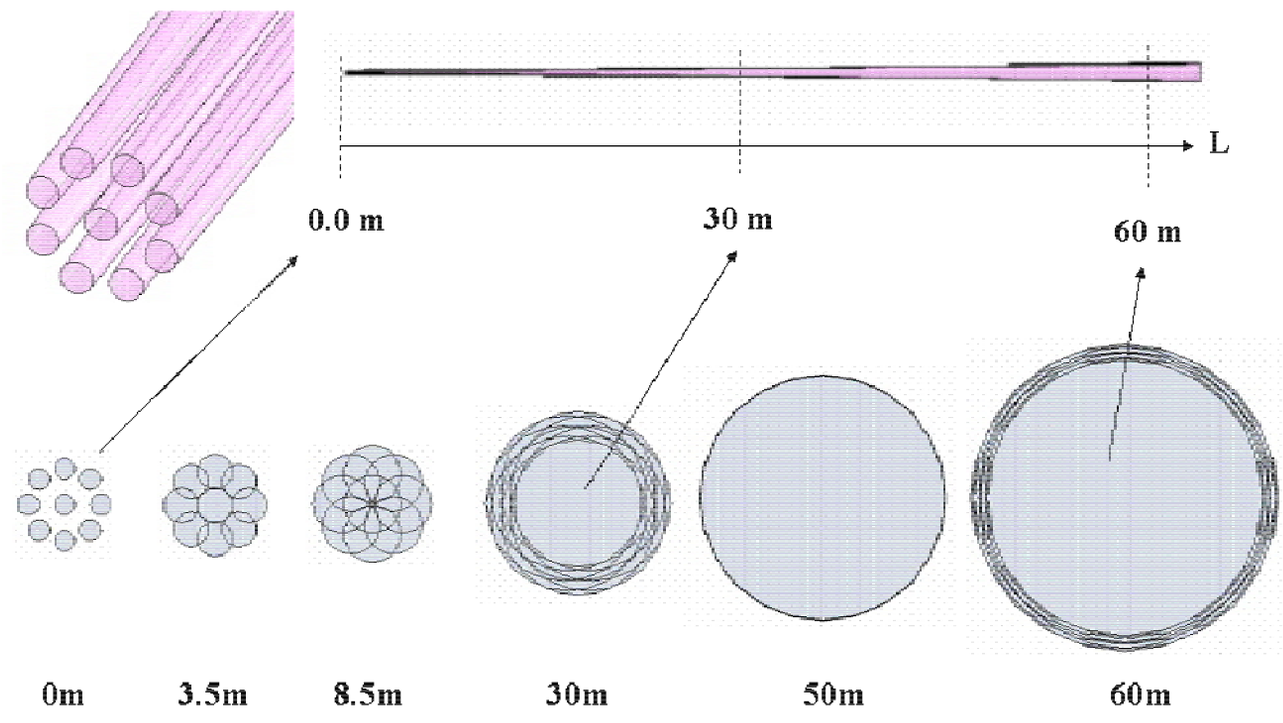
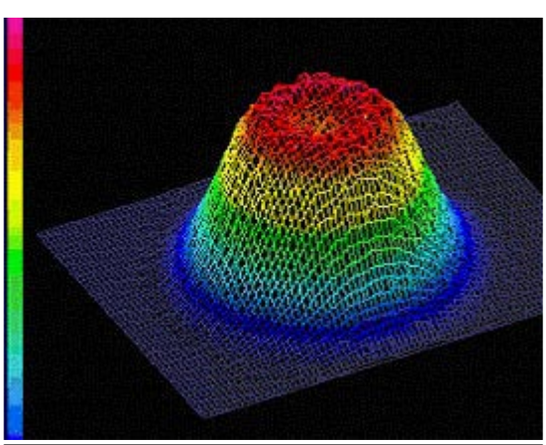
Illumination Pattern vs Distance:

Individual beamlets are overlapped on each other to form the illumination pattern.





Beam profile- flattop

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