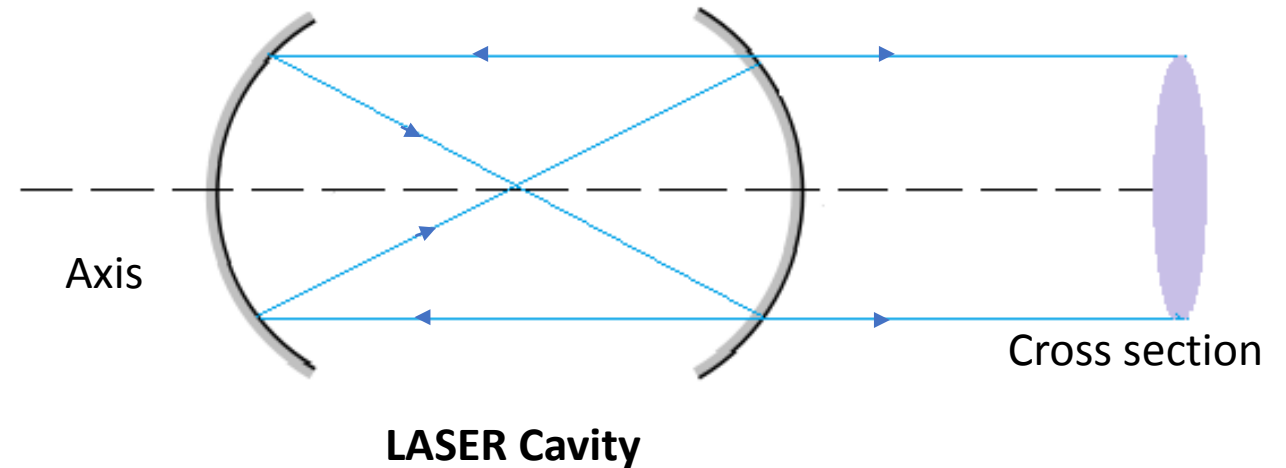
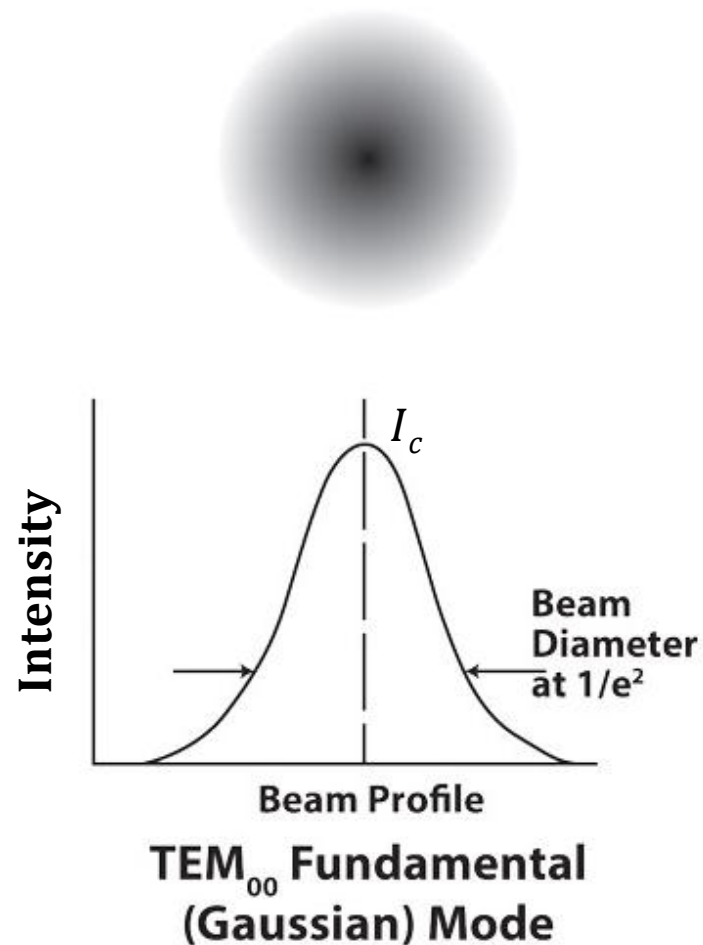


Directionality

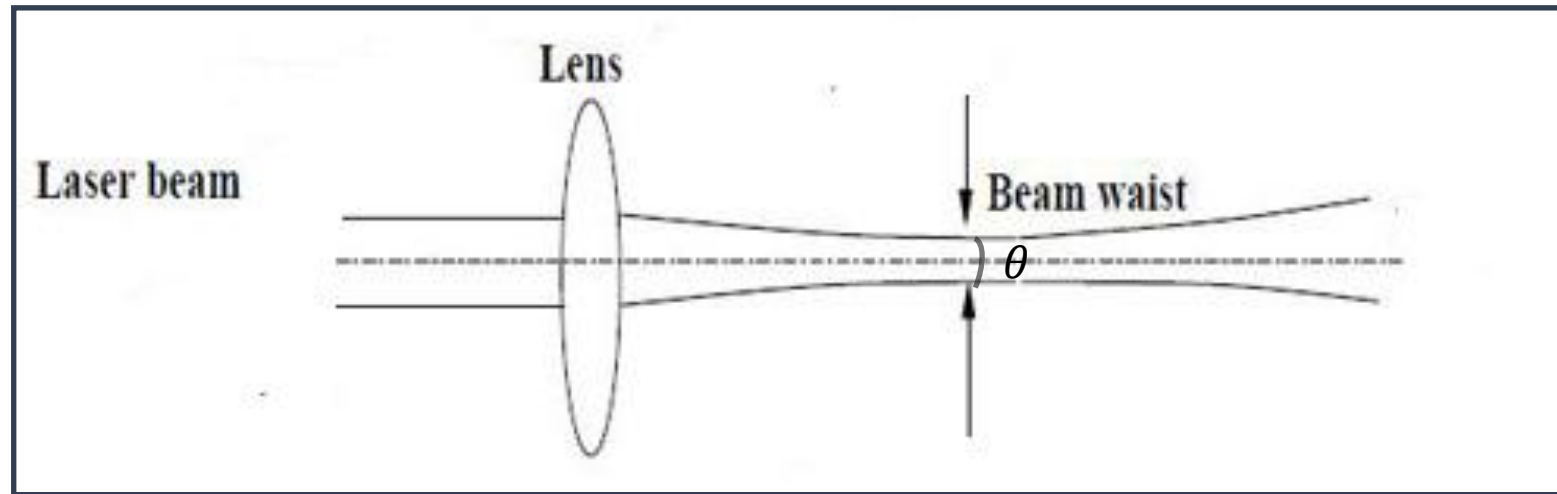
Diameter of Laser beam is the position in the beam cross section at which:

$$I = \frac{I_c}{e^2}$$



Spot dimension of Laser: $\omega_0 = \frac{2\lambda}{\pi\theta}$ where θ = angle of convergence

λ = wavelength of light



Intensity

It is measured in terms of Irradiance(I) = $\frac{E}{tA} = \frac{P}{A}$

E = energy of beam at time(t), A = area of cross section of beam

P = power of Laser beam