

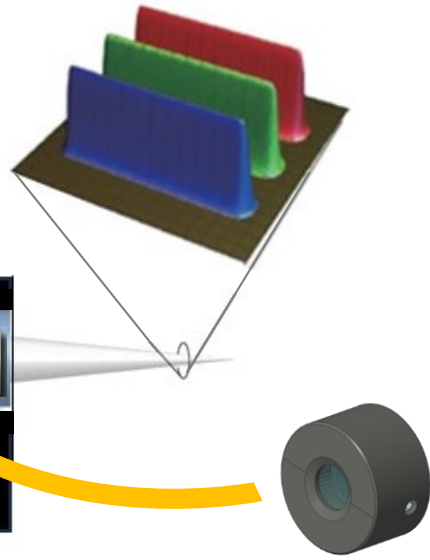
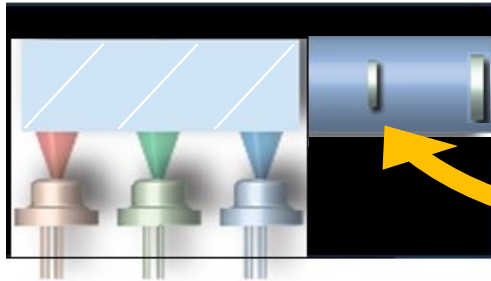


μLINEMAN is a line-top hat laser module that achieves illumination uniformity in a fine area.

【Single light source】



【Multi light source】

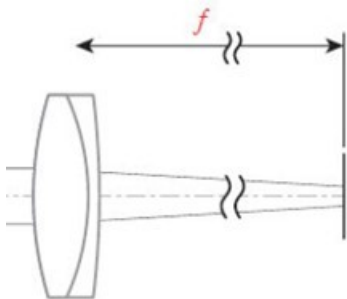


μ beam shaper 

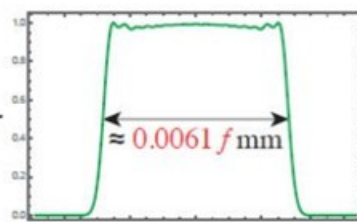
## [Electrical and Optical Characteristics]

項目	規格	備考
Wavelength Range	360~1300 nm	
Focal length		*Depends on converging lens Refer to the below
Line length		*Depends on converging lens Refer to the below
Line width at focal length		*Depends on converging lens Refer to the below
Line uniformity (CV)	< 0.15	CV = $\sigma$ (std.) / $\bar{x}$ (ave.)
Operating voltage		*Depends on the spec of the laser used
Operating Current		*Depends on the spec of the laser used

Converging lens  
with focal length  $f$

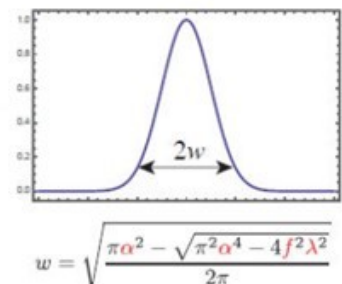


Light output profile  
(Line length direction)



Note : FWHM is independent from wavelength.

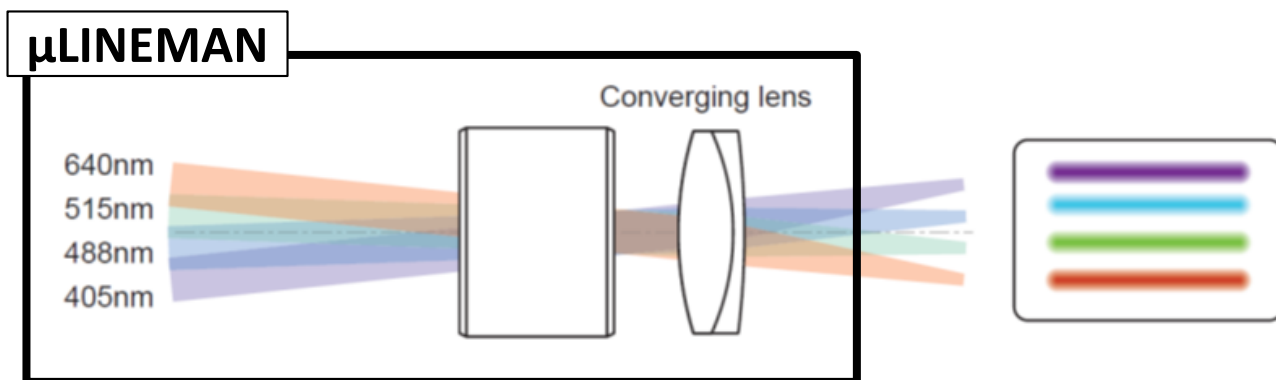
Light output profile  
(Line width direction)



Note : μLINEMAN has NO effect i.e., Gaussian beam propagation only



Item	Spec	Remarks
Focal length of converging lens	30 mm	
Line length	180 μm	FWHM
Line width	15 μm	Gaussian profile (1/e <sup>2</sup> )



Intensity profiles

focal length of converging lens = 30mm

