

Laser Industry Special Award



High-power laser beam profiler BPF-L/S series using fluorescence imaging technology



Canare Electric Co., Ltd



BPF-L400

Measurement wavelength
380-550nm



BPF-L800

Measurement wavelength
750-900nm



BPF-L900

Measurement wavelength
900-980nm



BPF-S400

Measurement wavelength
380-550nm



BPF-S800

Measurement wavelength
750-900nm



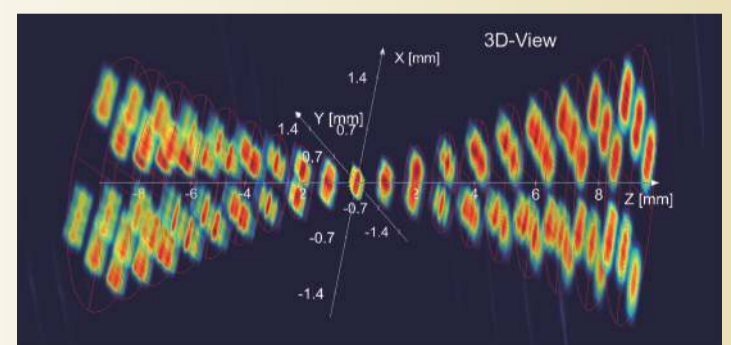
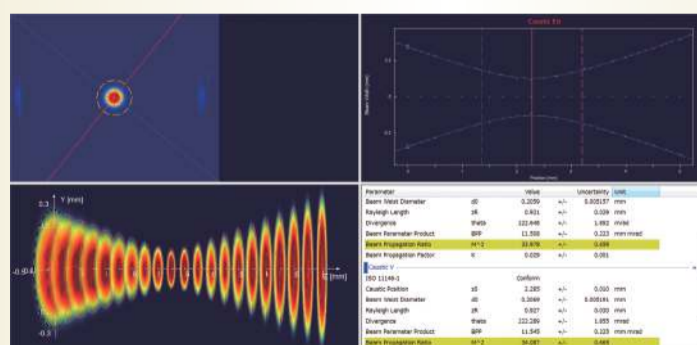
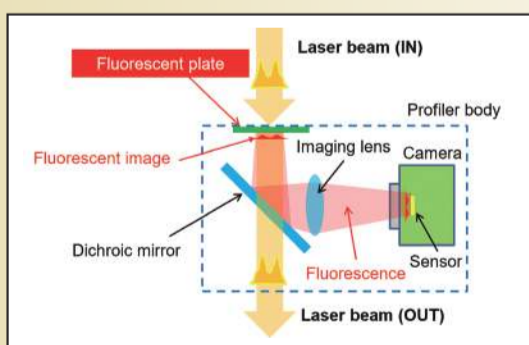
BPF-S900

Measurement wavelength
900-980nm



BPF-S1000

Measurement wavelength
1030-1070nm



Features & Application

The Beam Profiler BPF-L / S series is a device that can faithfully measure the intensity distribution of the laser beam cross section (2D) on the spot using CANARE's unique fluorescence imaging technology (FIT). The intensity distribution of high-power lasers up to several hundred watts is directly converted into an image by the fluorescent plate at the entrance of the device for observation. No attenuation with filters or beam samplers is required. The CANARE Beam Profiler, which is compact and lightweight, has high accuracy, high degree of freedom in measurement position, enables real-time measurement, and has unprecedented features such as speckle-free, can show you the true shape of a high-power laser beam. It is widely used in fields of development and application such as laser oscillators, LD modules, LIDER, laser lighting / displays, laser soldering, and laser machining.