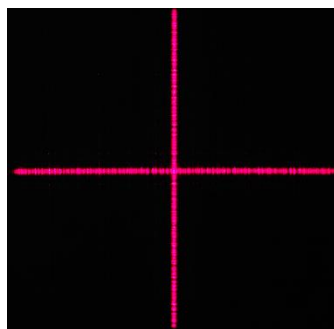
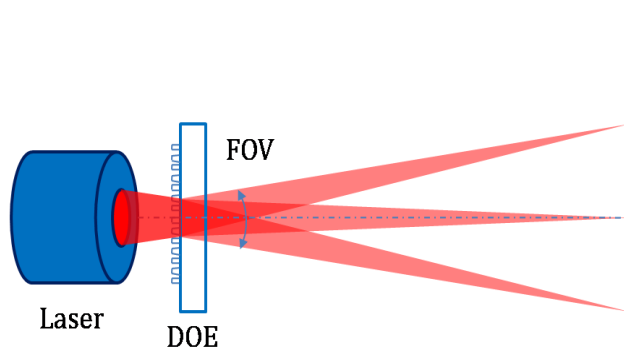


# DTC-12 Diffractive Optical Element



- **Element Number:** DTC-12
- **Description:** Cross-12
- **Substrate material:** PET/PMMA/GLASS
- **DOE active area:** 5 x 5 mm
- **Design wavelength:** 650 nm
- **Minimum recommended beam diameter (FWHM):** 2 mm

## Pattern Specifications



A DOE functions with a laser light source that emits a diffractive pattern. Each DOE pattern is characterized by a specific laser wavelength, focal length and transverse mode. Each laser wavelength will result in a different zero order intensity. The focal length is dependent on the DOE and the object distance which can be adjusted using a collimating lens (CL). The transverse mode will affect the dot shape.

Field of View (FOV)	12°x12° (HxV)
Zero order	≤ 2%