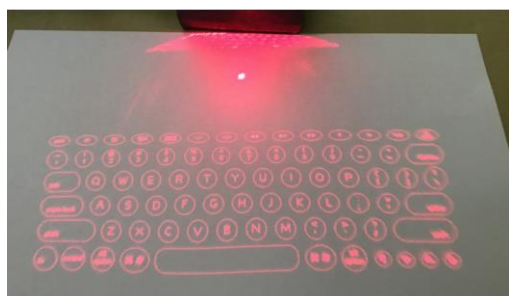
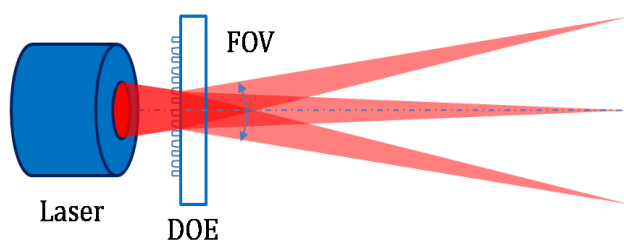


# DTC- 34 Diffractive Optical Element



- **Element Number:** DTC- 34
- **Description:** Virtual Keyboard
- **Substrate material:** PET
- **DOE active area:**
- **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.

|                     |              |
|---------------------|--------------|
| Projecting height   | 50 mm        |
| Tilt angle          | 72°          |
| Numeric keypad size | 250 x 100 mm |