

Condenser Lens

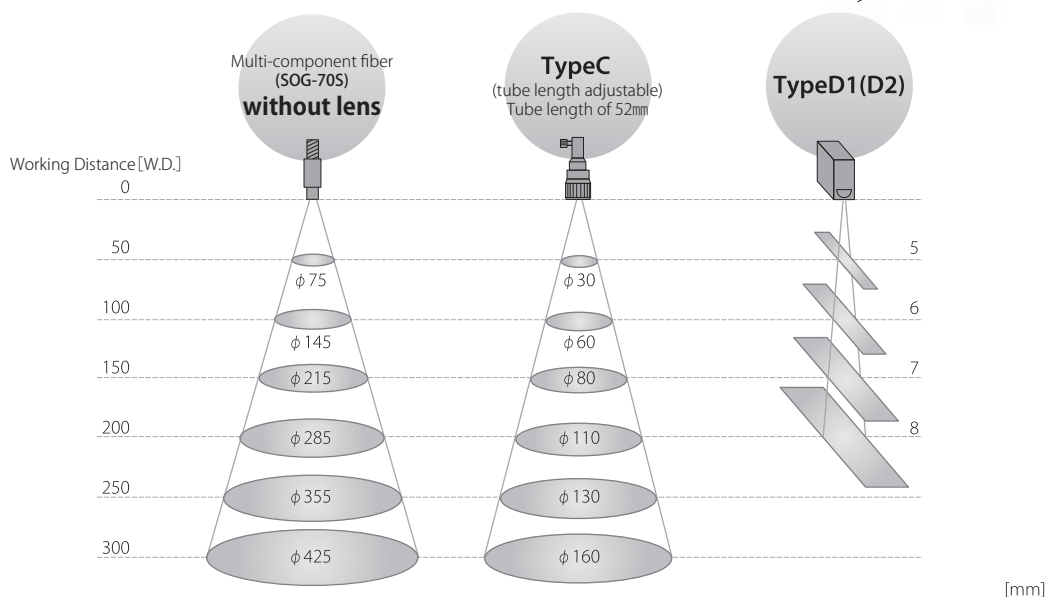
Our condenser lens is designed for collecting light from light guides into a highly uniform light distribution. SUMITA offers many types of condenser lens and its lens systems to accommodate various application needs and light guides.



TypeC Type C condenser lens unit is adjustable in spot diameter by changing tube length (52 – 62 mm)

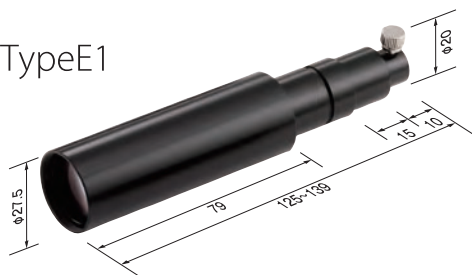


TypeD1(D2) Slit type light guide for line illumination (Cylindrical lens is mounted)
* Number in brackets shows dimensions of Type D2

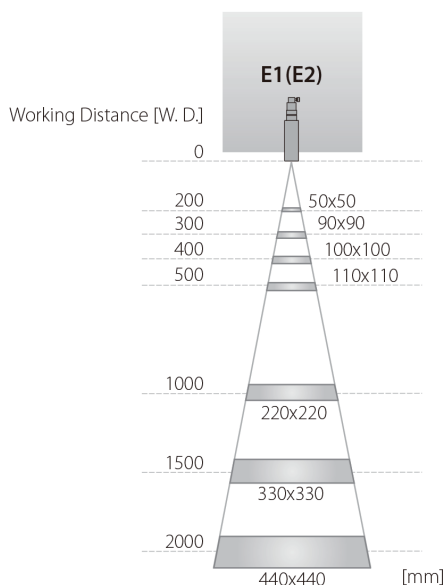
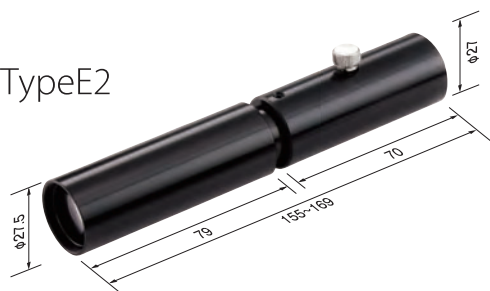


Rod lenses Rod lens gives uniform optical quantity distribution to four corners of a square surface of an object.

TypeE1



TypeE2



Measuring conditions

Light source : LS-M250
Light guide : φ 10 x L1500 mm
Working Distance [W.D.] : 1000 mm
Sensor : Illuminometer (Konica Minolta)
A unit of measurement : LX

Formula of distributing definition :
$$\pm \frac{\text{MAX} - \text{MIN}}{\text{MAX} + \text{MIN}}$$

Table of illuminance distribution

14000	14000
	15200
14900	14100

φ 25mm rod lens E1 (E2) ±4%