

OPTICAL SYSTEM, AND METHOD OF ILLUMINATING A SAMPLE PLANE**Abstract**

Various embodiments may provide a method of illuminating a sample plane. The method may include providing an illumination subsystem, the illumination subsystem including an optical source and at least one lens, having an optic axis at an incident angle greater than 0° and less than 90° to a normal of the sample plane. The method may also include rotating the illumination subsystem about a pivot point between the optical source and the sample plane along the optic axis so that an adjusted illumination distribution generated by the illumination subsystem at the sample plane has greater symmetry compared to a reference illumination distribution generated by the illumination subsystem at the sample plane without the rotation about the pivot point.

FIG. 3