

## Technical specification for proposed Solar Simulator

Compact Optical grade Xe light Source with Beam turner

Lamp Housing,

Spherical Back Reflector

Lamp Power: 150 W

Reflector design: Spherical

Xenon lamp power supply :150 W or more

Monitoring lamp current and voltage is essential.

Adjust the current delivered to the lamp for various experiments.

150 W Xenon Arc Lamp, Ozone free, Suitable for Vertical or Horizontal operation.

Lens Assembly: 1" Diameter, F/0.7, Fused Quartz, Three Lens Collimating Assembly with mounting adapter, 25.4 mm Diameter optics

At least 3 x PCX lenses should be there for the least possible spherical aberration

Beam Turning Assembly

Warranty: 1 year

A detailed compliance certificate against each specification needs to be provided by the vendor along with the technical brochure

**Optional item to be quoted:** > or = 150 W Xenon lamp spare 1 no., AM 1.5 filter 1 no., filter holder 1 no.



(Dr. Kothandaraman)