

Materials List for:

# Indoor Experimental Assessment of the Efficiency and Irradiance Spot of the Achromatic Doublet on Glass (ADG) Fresnel Lens for Concentrating Photovoltaics

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URL: <https://www.jove.com/video/56269>

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## Materials

Name	Company	Catalog Number	Comments
HELIOS 3030 SOLAR SIMULATOR	SAV		
HELIOS 3030 SOFTWARE	SAV		
HELIOS 3198 CPV SOLAR SIMULATOR	SAV		
HELIOS 3198 SOFTWARE	SAV		
3-AXES AUTOMATED POSITIONING PLATFORM	Zaber tech.	T-LSR75A	Catalog number corresponds to the device controlling lens movements with high precision in one axis of the xyz control.
3-AXES AUTOMATED POSITIONING PLATFORM	Zaber tech.	T-LSM200A	Catalog number corresponds to the device controlling lens movements with high precision in one axis of the xyz control.
3-AXES AUTOMATED POSITIONING PLATFORM	Zaber tech.	T-LSM200A	Catalog number corresponds to the device controlling lens movements with high precision in one axis of the xyz control.
Zaber Console 1.4.7.	Zaber tech.		Software provided by Zaber tech. able to control the automatic positionig platfomr from the computer
Dichroic filters	Edmund optics		hot and cold mirrors
Neutral filters	Edmund optics		
Silicone on Glass Fresnel lens			Manufactured by Fraunhofer ISE.
Achromatic Doublet on Glass Fresnel lens			Manufactured at the Solar Energy Institute
Multi Junction solar cells			
Charged Coupled Device camera	Qimaging		
Qcapture, CCD camera controlling software	Qimaging		
Thermal Chamber			Designed and manufactured at the IES
TC-720, thermal chamber controlling software			