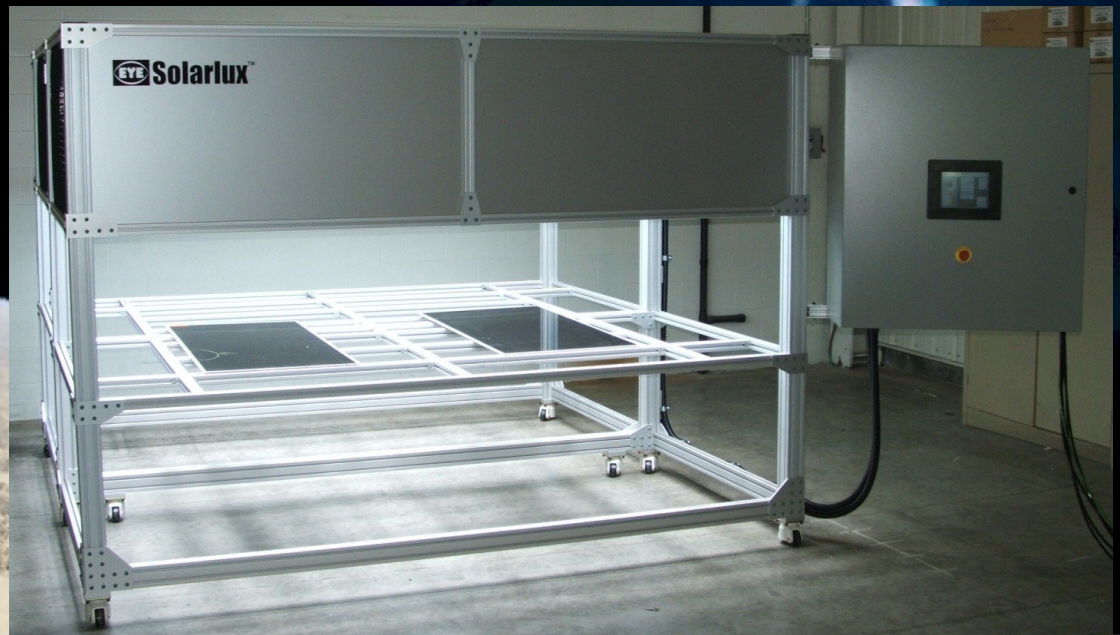




# APPLIED OPTIX™

## Full Spectrum Solar Simulation



## Photovoltaic Module Systems

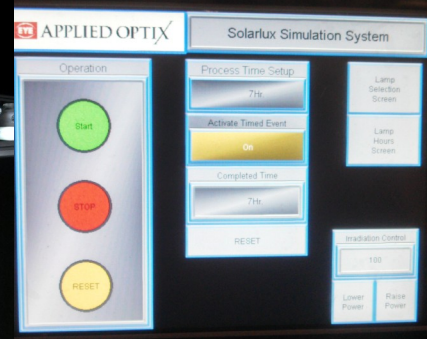
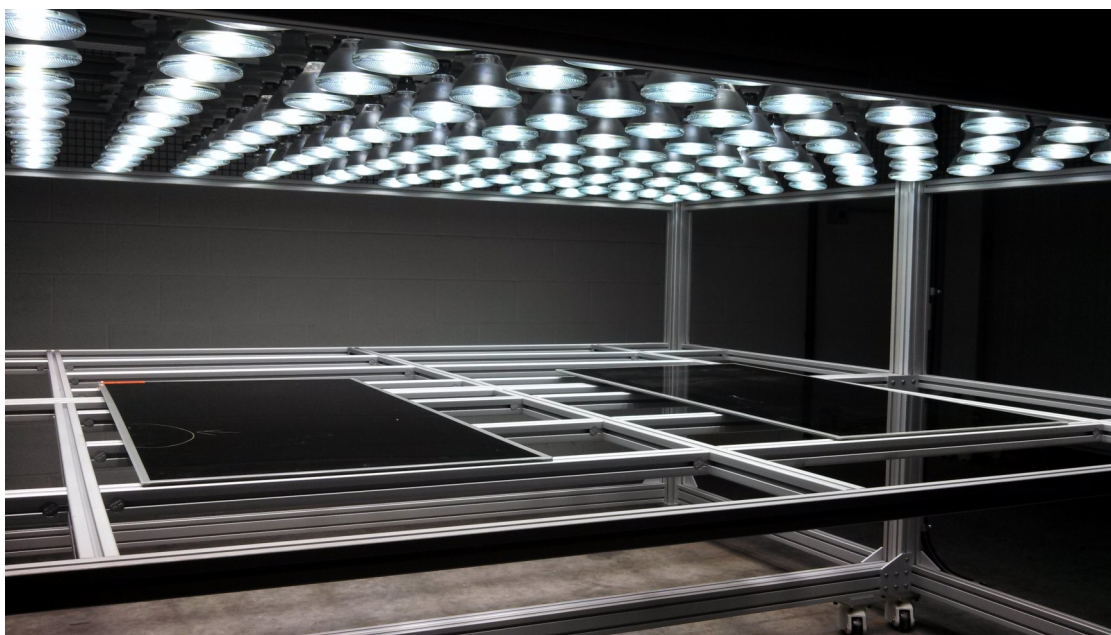
- Open array configurations sized to requirement ranging from PV cell to multiple PV modules.
- Portable construction design for light soaking applications.
- Climate chamber designs of permanently mounted or removable variety are available.
- Irradiation intensity and zone control options.
- EYE Solarlux™ brand, metal halide, full spectrum light source contained within reflector lamp housing for enhanced reliability, spectrum and uniformity.
- ASTM/IEC AM 1.5G standard Class BBA and CCA performance for spectrum, uniformity and temporal stability .

### Applications

- IEC 61215, IEC 61646, IEC 60904-9
- Full Spectrum Soaking/Preconditioning
- Hot Spot Endurance Testing
- Continuous Soaking
- Aging Applications



## Photovoltaic Module Systems



Interior view of soaking array pictured on front page. 2m x 2m target area with IEC BBA performance. Fully automated operator interface controls irradiance, lamp zones, and other test variables.

### Basic Specifications

- **Solar Lamp:** EYE Solarlux™ 150W or 400W reflector arc tube
- **ASTM/IEC/JIS Spectrum Class:** 150W exceeds Class B, 400W exceeds Class C
- **Uniformity:** Class B or C depending on target area size and customer requirement
- **Temporal Stability:** electronic ballast, Class A  $\pm 2\%$
- **Irradiation Level:** 600 W/m<sup>2</sup> - 1200 W/m<sup>2</sup>
- **Lamp Life:** 3000 hours
- **Target Area:** Customer specified
- **Array Construction:** Turnkey or components options available.
- **Array Design:** Portable for operation within room or climate chamber, or permanently installed within climate chamber.
- **User Interface:** Programmable automated operator interface controls irradiance, lamp zones, time and other test variables.



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