



## Solarlux™ Solar Simulation Systems



### PV Module Chamber Systems

- Designed for Crystalline or Thin-Film Panels: Systems from Class CCA to Class BBA comply with ASTM/IEC/JIS spectral concurrence with IEC AM 1.5 global.
- EYE Lighting/Iwasaki proprietary reflector arc tube solar lamps replicate true sunlight to ensure reliable and repeatable results.
- EYE Lighting/Iwasaki proprietary electronic ballasts provide Class A stable irradiation output with no cycling effects common with HID ballast systems.
- Laboratory or Production: Small economical R&D arrays and chambers, to full room size arrays. Standard production batch systems to custom continuous flow production process systems. EYE Lighting/Iwasaki has the experience to meet your specific requirements .
- Options include controllable output energy, temperature control, digital data logging, and zone control for maximum operational flexibility.

### Applications

- Full Spectrum Soaking / Preconditioning
- Performance at STC / NOCT
- Low Irradiance Testing
- Hot Spot Endurance Testing
- PV Performance Testing



# APPLIED OPTIX™

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#### SOAKING / AGING SYSTEMS

In development test or production environments, throughput and reliability are everything. It is critical that the systems employed perform to specification with no down-time. Most importantly, the systems must ensure that product quality is maintained.

EYE Lighting/Iwasaki light soaking systems can be customized to your specific application. From economical chamber systems to continuous process production systems, we can provide the price/performance you need. The wide range of proven EYE Lighting/Iwasaki solar simulation full spectrum lighting systems allows us to provide IEC class CCA to class BBA capabilities to meet your particular test requirements.

If you are testing PV thin film product, we can supply a system to meet your light soaking requirements.



This "standard" light soaking system is designed to handle four (4) typical PV panels in one batch. This economical ASTM/IEC Class CCA system provides an insolation target area of 2600mm x 1300mm and includes the capability to control the irradiation level from 800W/m<sup>2</sup> to 1000W/m<sup>2</sup>. Additionally, the chamber is subdivided into five (5) zones that can be individually turned off, allowing partial chamber irradiation saving energy when soaking fewer modules.

#### PRODUCTION APPLICATIONS

EYE Lighting/Iwasaki has years of experience supplying production equipment. We are constantly working with our customers to develop new systems to improve productivity.

Our production soaking / activation systems are designed to meet your specific PV product and manufacturing requirements; we don't attempt to "force-fit" a standard system into your application.

Our innovative continuous flow light soaking systems have proven to provide outstanding throughput. Although our standard systems are designed to meet Class CCA requirements (exceeding the IEC 61646 standard), we have designed many arrays to meet Class BBA standards.

If you require a light soaking system with a classification above CCA, please contact us. We welcome the opportunity to work with you to solve your application requirements.

*EYE Lighting/Iwasaki solar lighting experience provides the expertise to assist you in the development of solar simulation systems specific to your application requirements.*

*We welcome the opportunity to work with you to solve your application requirements.*



### EYE LIGHTING INTERNATIONAL

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*Interior of continuous process Class BBA production activation system*



*Large area Class CCA open array system*