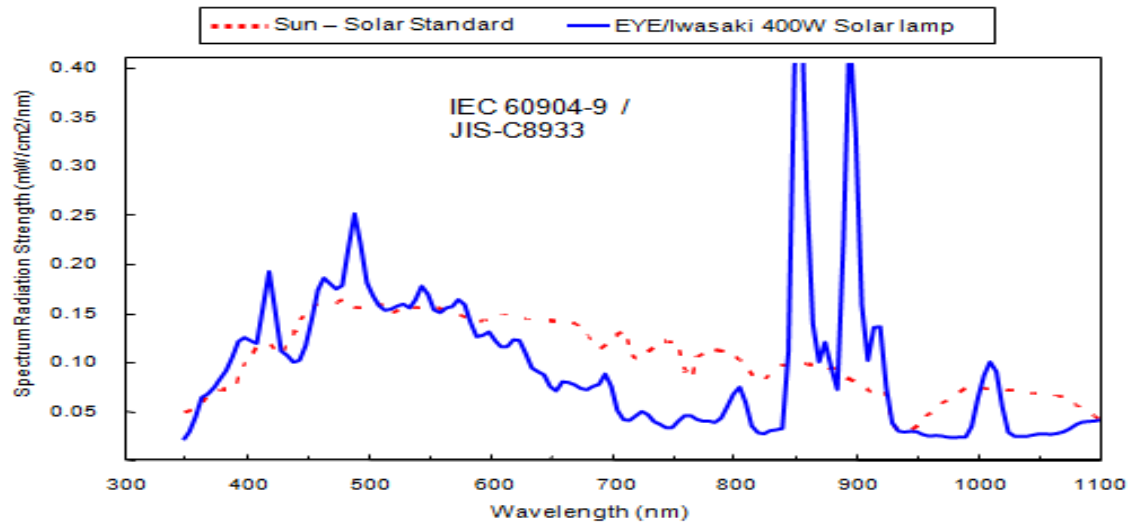
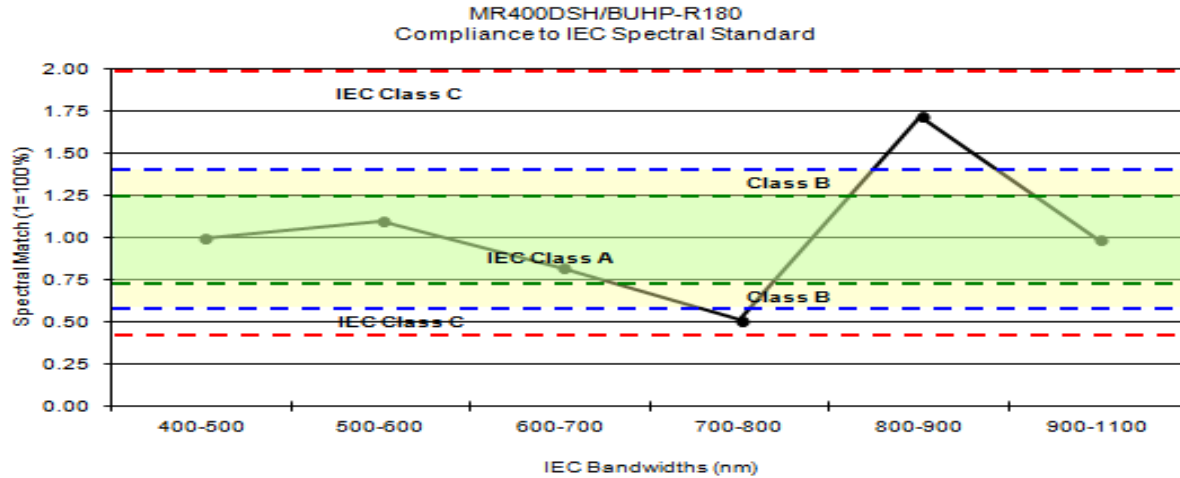


# MR 400DSH/BUHP-R180 Spectral Data



400W Solarlux Lamp



400W Igniter



# 400W “12-Pack” Ballast



# Variable DC Power Supply



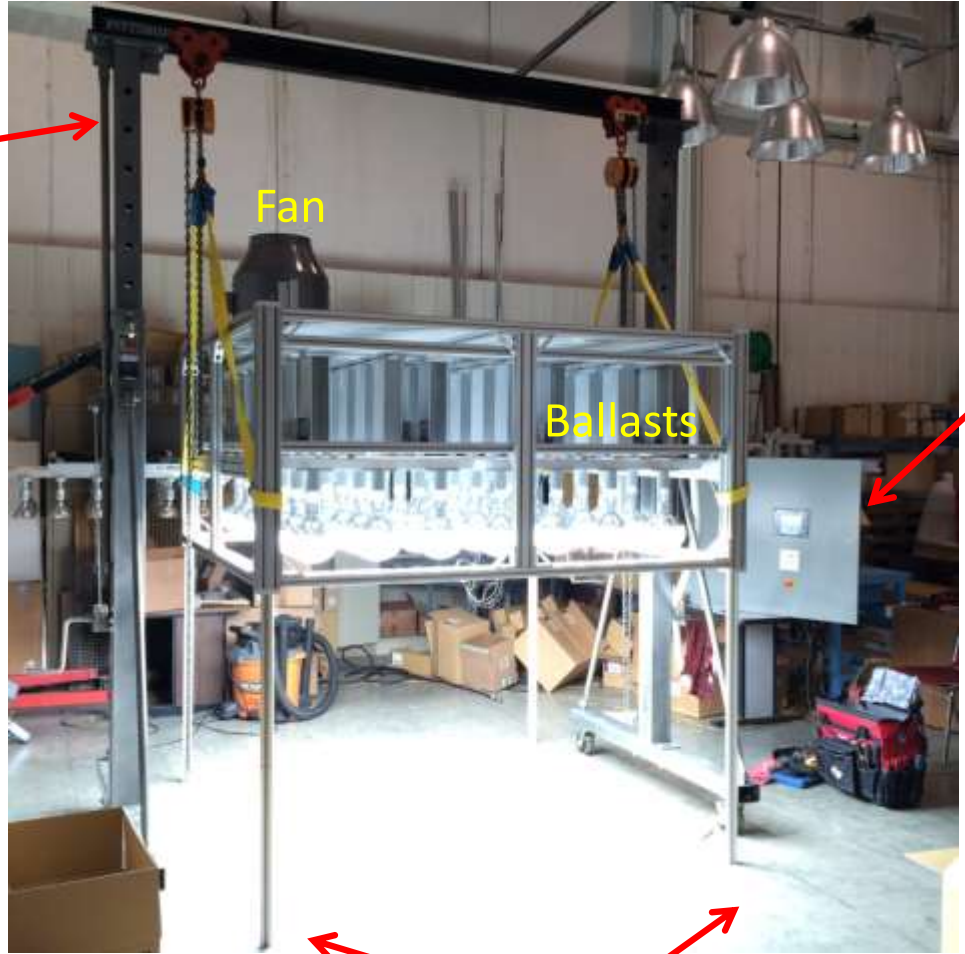
## Examples: Similar Builds



# Full Spectrum Solar Soaking Array (Build Phase)

Full Spectrum 1m x 1m Target

Gantry Support



Fan

Ballasts

Control Cabinet

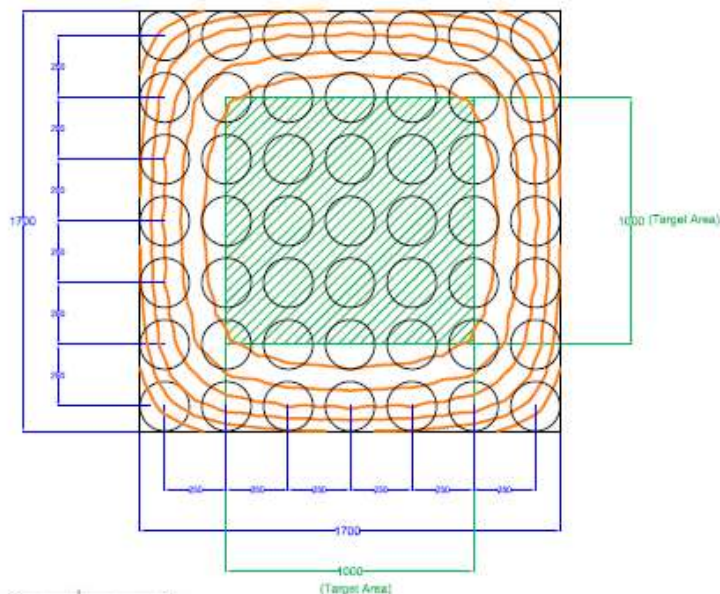
Temporary Support Legs



# Sample Array Design: 1 Square Meter Target Area

IEC Rating= Class "C: Spectrum, Class "C" Uniformity, Class "A" Temporal Stability

Solar Insolation Design / Distribution Profile-  
for Custom Array thru glass



### DESIGN PARAMETERS

TARGET AREA	1000mm X 1000mm
LAMP TYPE	Class C 400W reflectorized solar simulation lamp
DISTANCE BETWEEN LAMP AND TARGET	1.4M
LAMP QUANTITY	49 LAMPS ( 7 X 7 ARRAY)

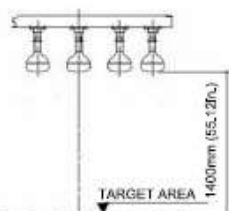
### SOLAR RADIATION DISTRIBUTION

	MAX	AVE	MIN
SOLAR RADIATION INTENSITY ( W / M <sup>2</sup> )	1497	1412	1298
SOLAR RADIATION INTENSITY ( W / M <sup>2</sup> ) thru Glass**	1069	1000	926
NON-UNIFORMITY [ $\frac{\text{MAX} - \text{MIN}}{\text{MAX} + \text{MIN}} \times 100$ ]	WITHIN ± 10% OVER TARGET AREA		

\*\*Calculated values.

(Note)

1. Values on the Insolation curves Indicate the horizontal solar radiation Intensity (Unit: W/m<sup>2</sup>)
2. Indicates the target area.



Equilam Ind. e Com. Eirelli

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