

Request sheet for Sun Simulation chambers

1. General

Customer:

Project:

Quote until date:

Bidding start:

Delivery :

2. Application

What type of test should be performed?

Lightsoaking

Preconditioning

Material Aging

Thermal Solar

other

What type of Modules will be tested?

Modules with frame

Modules without

other

What are the dimensions of the samples?

Length: mm

Height : mm

Width : mm

How many modules to be tested?

Number of Modules:

Orientation of modules inside chamber:

horizontal

vertical

Irradiation plane, Intensity range, Homogeneity

Irradiation size: x m²

Intensity: W/m²

Homogeneity: \pm %

Which standards must be observed?

- Solar Simulator according
- IEC60904
 - IEC61215 Ed. 2
 - IEC61215 Ed. 3
 - IEC61646
 - DIN7422
 - other

If you wish a complete system (chamber & lamp unit) please proceed with section 3.

In the case you want to equip an existing chamber please proceed with section 4.

3. Solar Simulation System with lamp units and Chamber

Solar system with a complete chamber



Classification according to IEC 60904:

- CCA BBA CCC

Is shutter required to block the radiation?

Yes No

Is temperature control necessary?

Yes No

If yes, what is the desired temperature range?

Temperature range from: °C up to °C

Temperature stability: \pm K

How long is the average distance for cable routing between the chamber and switch cabinet?

m

Where should be exit (lamp cables) and entry (power cable) of the cables out and into the electrical cabinet?

Entry for power cables:

top bottom left right

Exit of the lamp cables:

top bottom left right

What electrical supply is available?

3 Phase Single Phase

neutral wire neutral wire

ground wire ground wire

Voltage: V Voltage: V

Frequency: Hz Frequency: Hz

Voltage Stability: \pm % Voltage Stability: \pm %

Do you have any other special requirements?

Yes No

If yes, please describe:

4. Lighting equipment for chamber/environmental chamber:



What is the desired spectral classification according to IEC60904?

- A B C

The Lamp unit should work in combination with a environmental chamber?

- Yes No

Does the chamber exist already?

- Yes No

Dimension of the Chamber:

Inside (Width x Height x Length): x x m
Outside(Width x Height x Length): x x m

Installation of the lamp units:

- inside the chamber outside the chamber in the ceiling
 on the side walls other

Reflector plates may be used on the walls:

- Yes No

Ambient condition for the floodlights/switch cabinet (outside the chamber):

Temperature: from: up to: °C
Humidity: from: up to: %

Ambient condition for the floodlights inside the chamber:

Storage temperature: from: up to: °C

Working temperature: from: up to: °C

Humidity: from: up to: %

What electrical supply is available?

3 Phase

Single Phase

neutral wire

neutral wire

ground wire

ground wire

Voltage: V

Voltage: V

Frequency: Hz

Frequency: Hz

Voltage Stability: \pm %

Voltage Stability: \pm %

How long is the average distance for cable routing between the chamber and switch cabinet?

m

Do you have any other special requirements?

Yes

No

If yes, please describe: