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New Design 3m Electric Integrating Sphere

Product No: IS-3.0M1010C

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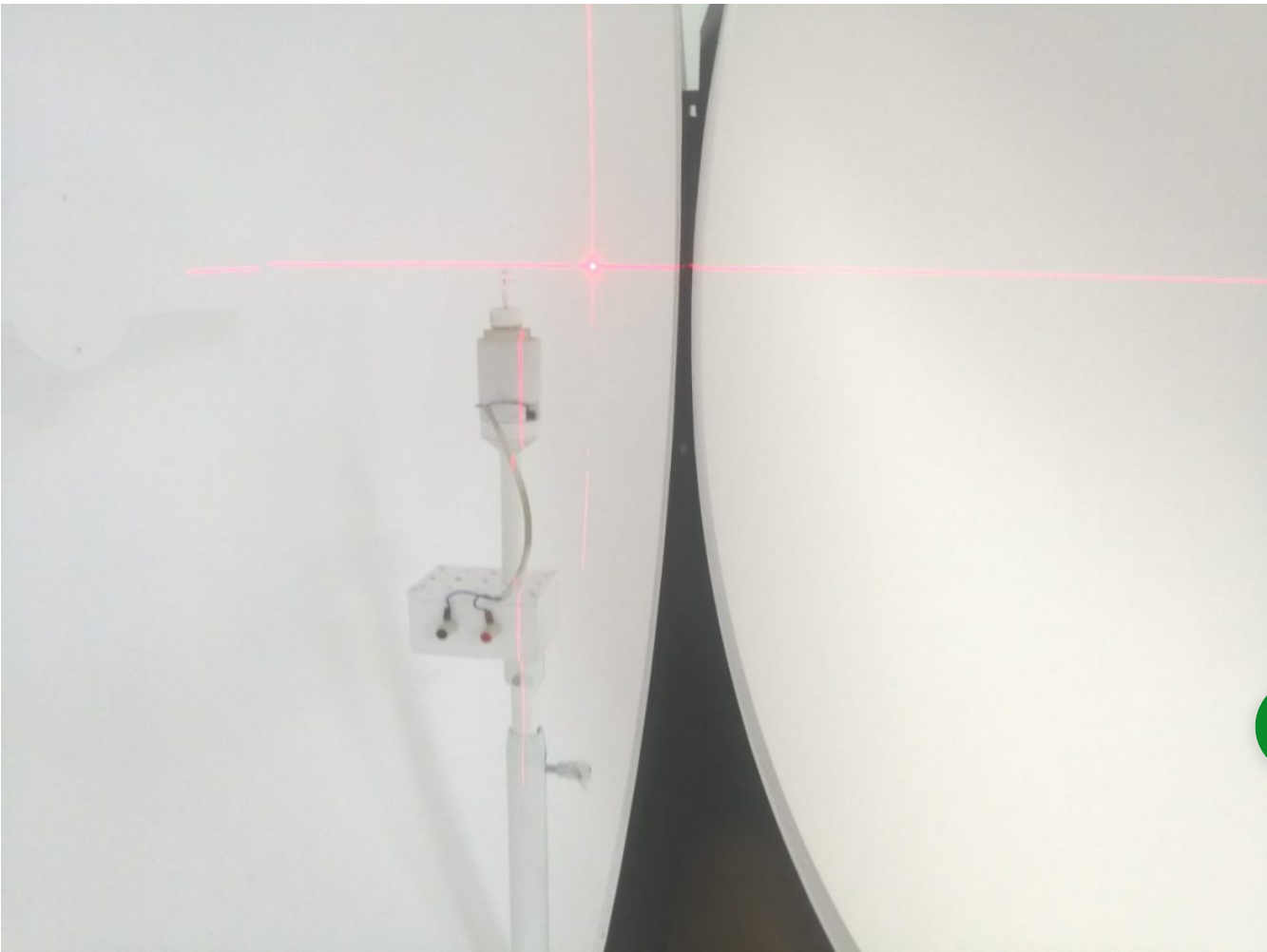
Description

Due to the lighting fixtures self-absorption, if the integrating sphere is bigger, the test results will be more accuracy. LISUN can produce the super big ulbricht integrating spheres such as 2.5m, 3m, 3.5m and 4m. Other size can also be designed.

LISUN add the infrared anti-pinch device for safety. It will automatically stop closing the sphere if somebody is inside of the sphere. Please refer to article [The New Design 3m Electric Integrating Sphere](#) for more information.

Specifications:

- Painting material of integrating spheres is according to CIE Pub.No.84 (1989)
- The painting material is BaSO4 coating: $\rho(\lambda) \geq 0.96$ (450nm~800nm) and $\rho(\lambda) \geq 0.92$ (380nm~450nm)
- Fine diffuse reflection: Reflectance $\rho \approx 0.8$ and accuracy of $\rho(\lambda) < 1.5\%$
- Build-in all functional lamp testing jigs: for E40/E27, T5/T8/T12 tubes and the testing holder base for LED and other luminaires. All samples under test can be installed both up and down directions in the sphere.
- Power cable, power terminal and auxiliary lamp position are built-in (Auxiliary lamp is optional).
- Power cable and socket are build-in. It is convenient to power on the lamp under test
- Two [photo detector](#) ports, one [optical fiber](#) port and temperature sensor hole are built-in
- Build-in cross laser can help to install the standard lamp and the lamp under test in the center of the integrating sphere



Cross Laser for Integrating Sphere

Related Technical Articles

How do you choose integrating sphere if you test small size but high power HID lamp?

LISUN 3M Integrating Sphere Test Results Comparison with Third Party Laboratory

Related Successful Case

Spain – Installation 3m integrating sphere spectroradiometer system

Mexico – Installation and training for 3m integrating sphere system for two clients

Chile – Provide installation and training for the customer who purchased integrating sphere and Spectroradiometer,ect from LISUN

USA -Installation and Training for LPCE-1 spectrophotometer integrating sphere and LSG-2000 goniophotometer from LISUN

