

Reflectance Integrating Sphere

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Stock **#90-587** NEW **1 In Stock**

- 1 + **S\$5,017^{.60}**

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10.32	Diameter of Entrance Port (mm):
SMA905	Fiber Connector Type:

General

ISP-REFL	Model Number:
Note: Provides even surface illumination for reflectance	

measurements of surfaces such as the color of flat samples	
900 hours	Lamp Lifetime (hours):
Physical & Mechanical Properties	
864.7	Weight (g):
54 x57 x83	Dimensions (mm):
38.10	Diameter (mm):
Optical Properties	
Spectralon® doped with BaSO ₄	Coating:
~360–2500 nm	Spectral Range:
Environmental & Durability Factors	
3100	Color Temperature (K):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 250:

Product Details

- Measure Total Irradiance or Reflectance with Models Optimized for Emission Sources or Surface Illumination
- Ideal for UV–NIR Applications in Materials Testing, LEDs, Lasers, and More
- White Reflectance Standard Provides Stable, Repeatable Reference Measurements
- Compatible with Ocean Optics Spectrometers and Accessories

Ocean Optics integrating spheres provide flexible, accurate solutions for measuring light output or surface reflectance across a wide spectral range. Whether you need 360° field-of-view irradiance collection, uniform surface illumination for reflectance measurements, or a stable reference for calibration, these integrating spheres ensure consistent, reliable results. The White reflectance standard ([#90-586](#)) complements the spheres by providing a dependable calibration reference for diffuse reflectance measurements. Ocean Optics Integrating Spheres are well-suited for UV-NIR applications, including material testing, LED analysis, and laser measurements.

Selection Guide:

FOIS-1 ([#90-588](#)): Best for **irradiance measurements** and light emission sources; features a 360° field of view for collecting light from LEDs, lasers, and other broad light fields.

ISP-REF ([#90-587](#)): Best for **surface reflectance measurements**; provides even surface illumination and integrates a transfer optic and built-in light source for easy measurement of color or reflectivity on opaque or directional samples.

WS-1 ([#90-586](#)): Use alongside your integrating sphere for reliable white reference measurements when calibrating for diffuse reflectance.