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# Reflectance Integrating Sphere

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- 1 + €3.584.<sup>00</sup>

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### Volume Pricing

Qty 1+	€3.584,00 each
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### Product Downloads

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

**Lamp Lifetime (hours):**  
900 hours

**Title:**  
Reflectance Integrating Sphere

## Physical & Mechanical Properties

**Weight (g):**  
864.7

**Dimensions (mm):**  
54 x 57 x 83

**Diameter (mm):**  
38.10

## Optical Properties

**Coating:**  
Spectralon® doped with BaSO<sub>4</sub>

**Spectral Range:**  
~360–2500 nm

## Environmental & Durability Factors

**Color Temperature (K):**  
3100

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 250:**  
[Compliant](#)

## 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.