

# ISS-5P

<https://www.gigahertz-optik.com/en-us/product/iss-5p/>

**Product tags: VIS , NIR**



## Description

Integrating Sphere Light Sources are used as luminance, and spectral radiance calibration standards as well as Uniform Light Sources for pixel uniformity calibration of imaging detectors and instruments.

### Compact design

Integrating sphere light source with a homogeneous entrance port of 20 mm. The sphere itself is based on a synthetic ODM98 coating with excellent long-term stability. As a light source a LH-10-UV halogen lamp is used.

### Traceable calibration

The calibration of the device is in spectral radiance in a range of 380 nm to 1100 nm. Included is as well a calibration certificate which shows the traceable calibration chain back to a national metrology institute.

### Option

For operation an optional quality current regulated power supply of the LPS series can be used.



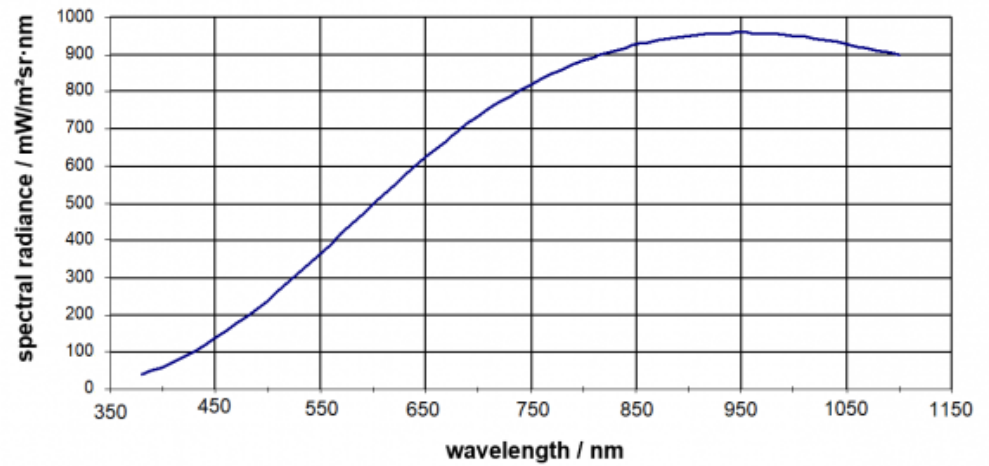
## Specifications

### General

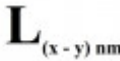



Calibration	Calibration of the spectral radiance (380 nm to 1100 nm). Calibration certificate with description of the calibration procedure, reference standards applied, traceability and calibration uncertainty.
Typical applications	Compact and portable transfer standard lamp for luminance or spectral radiance.
Measurement range	380 nm bis 1100 nm
Main features	Compact size. 20 mm Diameter light Output port. Integrating sphere and baffle with synthetic ODM98 coating. Integrated 10 W tungsten-halogen lamp.
Short description	Compact size integrating sphere source with 20 mm Diameter light Output port. Integrated tungsten-halogen lamp.

### Product

Light Output Port	20 mm
Light Source	10 W
	6V



## Configurable with

Product Name	Product Image	Description	Go to product
KLW-S3		Calibration of the spectral radiance. Features: Factory calibration	<a href="https://www.gigahertz-optik.com/en-us/product/klw-s3/">https://www.gigahertz-optik.com/en-us/product/klw-s3/</a>
KLW-R3		Calibration of the radiance. Features: Factory calibration	<a href="https://www.gigahertz-optik.com/en-us/product/klw-r3/">https://www.gigahertz-optik.com/en-us/product/klw-r3/</a>
P-9710		High-End Optometer for Measurement of CW-, Single Pulse and Modulated Radiation	<a href="https://www.gigahertz-optik.com/en-us/product/p-9710/">https://www.gigahertz-optik.com/en-us/product/p-9710/</a>
ED-ISS-100-MD		Control electronic for integrating sphere sources	<a href="https://www.gigahertz-optik.com/en-us/product/ed-iss-100-md/">https://www.gigahertz-optik.com/en-us/product/ed-iss-100-md/</a>

## Purchasing information

Article-Nr	Modell	Description
<b>Product</b>		
15295651	ISS-5P	Consists of integrating sphere, halogen lamp and calibration certificate.

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- Repairs & Updates
- OEM & Feasibility Consulting of Customized Solutions

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