

150 mm INTEGRATING SPHERE

The 150 mm sphere is a research grade accessory offering a port fraction (< 4%) in line with that required to comply with all relevant CIE and ASTM standards. Carefully designed baffles prevent first strikes and therefore reduces the incidence of erroneous data. As a result, the 150 mm sphere delivers high measurement accuracy for demanding optical applications.

PerkinElmer offers three high-performance instrument configurations with 150 mm integrating spheres:

Configuration	Detector	P/N ¹	Range
LAMBDA 850+ with 150 mm Integrating Sphere	PMT (190 – 900 nm)	L6020058	190 – 900 nm
LAMBDA 1050+ with 150 mm PMT/InGaAs Integrating Sphere	PMT (190 - 900 nm) InGaAs (800 - 2500 nm)	L6020114	190 – 2500 nm
LAMBDA 1050+ with 150 mm PMT/PbS Integrating Sphere	PMT (190 - 900 nm) PbS (860 - 2500 nm)	L6020159	190 – 2500 nm

¹The P/Ns refer to the combination of instrument + integrating sphere.



PerkinElmer LAMBDA® 850+/1050+ with 150 mm integrating sphere

The following are the P/Ns for the Integrating Spheres only:

- **L6030001** – 150 mm PMT|InGaAs Integrating Sphere
- **L6030002** – 150 mm PMT|PbS Integrating Sphere

Both the InGaAs and PbS integrating spheres offer a PMT detector for the 190 – 900 nm wavelength range with the key difference being the detector used to measure the near-infrared region (in the case of integrating spheres, 900 – 2500 nm). For higher performance in the near-infrared region, the InGaAs version is recommended.