

The chart below provides an overview of the standard integrating sphere models available from SphereOptics. Our engineers have carefully designed these sphere geometries to address the most common light and optical radiation measurement applications. If a standard sphere does not meet your requirements, please refer to our [custom integrating sphere design worksheet](#), or contact us for assistance in choosing the appropriate sphere for your application. Sphere diameters are interior measurements.

ORDER NUMBER	SPHERE DIAMETER		PORTS NUMBER	INPUT PORT DIAMETER		OUTPUT PORT DIAMETER		PORT LOCATIONS	PORT STYLE	SPHERE INTERIOR MATERIAL
	INCHES	CM		INCHES	CM	INCHES	CM			
SPH-1	1.5	3.8	2	0.25	0.635	0.5	1.27	0°, North Pole	Port frame	Optowhite
SPH-2	2.0	5.08	2	0.5	1.27	0.5	1.27	0°, North Pole	Port frame	Optowhite
SPH-4	4.0	10.2	2	1.0	2.54	0.5	1.27	0°, North Pole	P frame	Optowhite
SPH-6	6.0	15.2	2	2.0	5.08	0.5	1.27	0°, North Pole	Port frame	Optowhite
SPH-12	12.0	30.5	2	4.0	10.16	0.5	1.27	0°, North Pole	Port frame	Optowhite
SPH-20	20.0	50.8	2	6.0	15.24	0.5	1.27	0°, North Pole	Port frame	Optowhite
SPH-1P	1.0	2.5	2	0.25	0.635	0.5	1.27	0°, 90°	Input port: knife-edged, Output port: tunnel	Zenith
SPH-2P	2.0	5.1	2	0.5	1.27	0.5	1.27	0°, 90°	Input port: knife-edged, Output port: tunnel	Zenith
SPH-4P	4.0	10.2	2	1.0	2.54	0.5	1.27	0°, 90°	Input port: knife-edged, Output port: tunnel	Zenith
SPH-6P	6.0	15.2	2	2.0	5.08	0.5	1.27	0°, 90°	Input port: knife-edged, Output port: tunnel	Zenith
SPH-12P	12.0	30.5	2	4.0	10.16	0.5	1.27	0°, 90°	Input port: knife-edged; Output port: tunnel	Zenith
SPH-20P	20.0	50.8	2	6.0	15.24	0.5	1.27	0°, 90°	Input port: knife-edged, Output port: tunnel	Zenith

## SPHERE MOUNTING

Spheres ranging from 1 to 6 inches (2.54 to 15.2 cm) in diameter include a M4 threaded mount allowing for the use of a wide selection of optional mounting posts, post holders, and bases. Spheres sized 12 and 20 inches (30.5 to 50.8 cm) in diameter are mounted on an H-style base and are height adjustable.

## OPTIONAL ACCESSORIES

[Click here](#) for a listing of available mounting posts, post holders and bases for our standard sphere line.

[Click here](#) for a listing of available port plugs, port reducers, and port adaptors.

[Click here](#) for a listing of available baffles.