



Scalar Irradiance Fiber-Optic Light Collector (non-submersible version)

Description

The Scalar Irradiance Collector gathers light uniformly from all directions (except for the portion of the sphere that is blocked by the black base and neck), and transmits it to a fiber-optic SMA connector in its base. When mated with an appropriate fiber-optic cable, the light collector is fully waterproof and can be immersed to depths of 200 meters.

- Globe diameter: 6.4 cm (2.5 in.)
- Globe material: diffusing white acrylic
- Length: 11 cm (4.4 in.) not including mating connector
- Usable wavelength range: 380 to 1000 nm



Precautions and Maintenance

- Handle with care. The plastic can be scratched or broken (but minor scratches will not degrade the measurement).
- Do not clean with acetone, pure alcohol, or other harsh solvents. Water and mild soap are best.
- Use only fingers, NO TOOLS to tighten the SMA connector. The plastic threads are easily stripped.
- Protect the SMA connector with a cap whenever it is not attached to a cable.