

# REQUEST FOR QUOTATION

## ITL LAMP STANDARDS FOR CALIBRATING INTEGRATING SPHERES

### AVAILABLE LAMP STANDARDS, PLEASE SELECT ONE OR MORE BELOW:

#### FOR SPHERE CALIBRATION - TOTAL FLUX (LUMEN) MEASUREMENT

##### Omni-Directional 4PI\* Lumen lamp standards:

- One - NIST traceable lumen lamp standard
- \*\*Set of three - NIST traceable lumen lamp standards of same lamp type

#### FOR SPHERE CALIBRATION - SPECTRAL (COLOR) DISTRIBUTION WITH TOTAL FLUX (LUMEN) MEASUREMENT

##### Omni-Directional 4PI\* Spectral lamp standards (for calibrating integrating spheres from 380nm to 780nm)

- One – NIST traceable spectral lamp standard with lumen calibration
- \*\*Set of three- NIST traceable spectral lamp standards of same lamp type with lumen calibrations

#### FOR SPHERE CALIBRATION - TOTAL FLUX (LUMEN) MEASUREMENT OF DIRECTIONAL 2PI LAMPS

##### Directional 2PI\* Lumen lamp standards - Total lumen output based on 16 lateral planes of data:

- One - NIST traceable directional 2PI lumen lamp standard
- \*\*Set of three - NIST traceable directional 2PI lumen lamp standards of same lamp type

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\* 4PI as listed above indicates lamps with distributions that produce similar flux in both hemispheres, and 2PI as listed above indicates lamps that produce most of their flux in one hemisphere.

\*\* Sets of three lamps allow user to verify the performance of any one of the 3 lamps by comparing to the performance of the other two. This allows you to be sure that any change in your goniophotometer and/or sphere calibration is not due to degradation of your standard lamp.

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#### AVAILABLE LAMP TYPES PLEASE SELECT ONE OR MORE BELOW:

- 1000 Watt FEL Tungsten Halogen with a G9.5 Medium Bipin Base
- 75 Watt Tungsten Halogen with an E11 Miniature Candelabra Screw Base
- PLEASE CHECK THIS BOX IF YOU WISH TO HAVE AN ITL ENGINEER CONTACT YOU TO DISCUSS WHAT LAMP TYPE WILL BEST MEET YOUR NEEDS, OR IF YOU WISH TO HAVE ITL ACQUIRE AND CALIBRATE A SPECIFIC LAMP MODEL THAT YOU DESIRE.
- PLEASE CHECK THIS BOX IF YOU (ITL'S CUSTOMER) IS PLANNING TO SUPPLY THE LAMP(S), LAMP TYPE YOU WILL BE PROVIDING \_\_\_\_\_

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