

## Metal Halide Illuminance Calibration Lamp PM-AC4001

### Specifications

- Metal halide light source  
CCT = 6500K  $\pm$ 500K  
Lamp Life = 2000 hours  
Lamp warm-up = 5 minutes
- Certified Spectral Distribution
- Standard and low brightness models available
- Power consumption:  
200 W,  $\pm$  10 W
- Input voltage:  
100 V AC to 240 V AC, 50 / 60 Hz
- Dimensions (H x W x D):  
245 mm x 108 mm x 245 mm  
Weight: 4.5 kg

### Benefits

- Significantly more light output at blue end of spectrum than halogen sources
- Long life and high reliability
- Reduced power consumption
- Can be used in multiple orientations



### High precision, uniform light source for illumination measurement calibration

The Radiant Vision Systems PM-AC4001 Illumination Calibration Lamp is designed to provide a simple and accurate calibration tool for illumination distribution measurement using ProMetric® Imaging Colorimeters and Photometers.

Illumination distribution data is generated quickly and accurately with the Radiant Vision Systems PM-Series™ Imaging Photometer by illuminating a diffuse flat surface - usually a wall or screen - with the light source, then imaging the surface using an imaging photometer. This captures the complete two dimensional illumination distribution in a single measurement operation. Using a PM-Series™ Imaging Colorimeter allows information on the angular variation of color output to be measured as well.

By using the PM-AC4001 Illumination Calibration Lamp, the measurement environment can be calibrated to ensure the accuracy of the overall measurement process. This eliminates the effects of variations in the composition or reflectivity of the wall or screen being used as a target and calibrates the imaging system to a known light source distribution.