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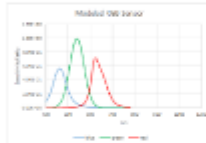
## When Smart Sensors Require Smart Sources

How a spectral matching source simulates various indoor RGB ambient light sensor performance



As color light sensors are designed to detect light levels in the same way that human eyes do, they are used to measure the ambient light conditions in a room. RGB ambient sensors can be used to predict the indoor or outdoor ambient lighting conditions and detect the need for an indoor or outdoor lighting source. To do this most effectively, a smart calibration source is required. Smart calibration sources are available from Labsphere (Pittsboro, NC) and are used to simulate light conditions. The sources are available in various sizes and configurations and can be used to simulate light conditions in a room.

The graph illustrates the spectral power distribution (SPD) of a smart calibration source. The SPD is a plot of the spectral power density (SPD) versus wavelength. The SPD is used to determine the spectral power density (SPD) of a smart calibration source. The SPD is used to determine the spectral power density (SPD) of a smart calibration source. The SPD is used to determine the spectral power density (SPD) of a smart calibration source. The SPD is used to determine the spectral power density (SPD) of a smart calibration source.



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## When Smart Sensors Require Smart Sources

RGB sensors are calibrated to predict the indoor or outdoor ambient lighting conditions and are used to make appropriate corrections and trigger functions like auto adjusting display brightness. To do this effectively requires a smart calibration source. Calibrations with a tunable source that can simulate indoor and...

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