as glass and plastic absorb infrared light, making it incompatible as an optical medium. Ideal optical materials are salts, which do not absorb strongly. Samples for IR spectrophotometry may be smeared between two discs of potassium bromide or ground with potassium bromide and pressed into a pellet. Where aqueous solutions are to be measured, insoluble silver chloride is used to construct the cell.

Spectroradiometers

Spectroradiometers, which operate almost like the visible region spectrophotometers, are designed to measure the spectral density of illuminants. Applications may include evaluation and categorization of lighting for sales by the manufacturer, or feshe customers to confirm the lamp they decided toparchase is within their specifications and category. The sales by the manufacturer or feshe customers to confirm the lamp they decided toparchase is within their specifications are to compared to the sales of the

The light source shines onto or through the sample.

The sample transmits or reflects light.

The detector detects how much light was reflected from or transmitted through the sample.

The detector then converts how much light the sample transmitted or reflected into a number.

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