

QUANTUM FLAT DIFFUSER ACCESSORY DX-1

INSTRUCTIONS

The purpose of the flat Diffuser attachment DX-1 is: (1) to adapt Calcu-Light or Calcu-Flash to make calibrated illuminance (incident light) measurements from diffuse or point source lighting (the dome diffuser of the standard Calcu-Light or Calcu-Flash turret is calibrated in footcandles or lux only for point source lighting); and (2) to make contrast measurements for studio lighting.

Calibrated Illuminance Measurements

(Footcandles or Lux)

After replacing the standard turret with the DX-1 attachment, orient Calcu-Light or Calcu-Flash as you would for an incident light measurement. Readings taken will represent illuminance values in the plane of the diffuser.

Next, take a measurement and read the digital number in the display window. Refer this number to the chart in the **Calibrated Measurements** section of the instrument instructions.

Contrast Measurements

When in the studio, photographers often want to compare the strength of each light source to determine contrast ratios of the various sides of the object to be photographed.

These contrast ratios can easily be determined by orienting the flat diffuser's surface perpendicular to the direction of each source, from the subject position, and taking readings. The difference between two such readings is the contrast ratio in one-third stops. Numerical contrast ratios appear in the **Specifications** section of your instrument instruction manual.