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Solar Simulator for Concentrator Cells

Optosolar offers solar simulators with continuous light for small area solar cells (ca. 10mm x 10mm). depending on the cell size, the concentration ratio can exceed 1000 suns. Special designs cover low concentration on large area wafers (156mm x 156mm), as well as line focus applications (e.g. 8mm x 156mm at 8 suns).

Flashlight Solar Simulators have the advantage of negligible temperature change to the solar cell. For this reason, they are often used for very high concentration ratios or for multijunction cells in a solar simulator with adjustable spectrum.

Optosolar offers flashlight solar simulator systems for concentrator cells with short (3ms), medium (10 - 20ms) and, at lower intensity, long flashplateau (40ms - 100ms).

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