

spectral photon flux (photon irradiance), $E_{p\lambda}$

The *photon irradiance*, E_p , at wavelength λ per unit wavelength interval. The SI unit is $\text{s}^{-1} \text{m}^{-3}$, but a commonly used unit is $\text{s}^{-1} \text{m}^{-2} \text{nm}^{-1}$. Alternatively, the term can be used with the amount of photons (mol or its equivalent einstein), the SI unit then being $\text{mol s}^{-1} \text{m}^{-3}$ and the common unit $\text{mol s}^{-1} \text{m}^{-2} \text{nm}^{-1}$.

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