

radiant (energy) flux, P , Φ

Although flux is generally used in the sense of the ‘rate of transfer of fluid, particles or energy across a given surface,’ the radiant energy flux has been adopted by IUPAC as equivalent to *radiant power*, P . ($P = \Phi = dQ/dt$, simplified expression: $P = \Phi = Q/t$ when the radiant energy, Q , is constant over the time considered). In photochemistry, Φ is reserved for *quantum yield*.

See also *photon flow, photon radiance, radiance, radiant energy, spectral radiant flux, radiant power, quantum yield*.
1996, 68, 2268