*10.3.2.1.8 Terms relating to conductance*

The *line-to-background radiant power ratio* is given by the quotient $\phi_L/\phi_U$ with $\phi_U$

$$\phi_U = L_{\lambda.U}\Delta\lambda_{ex}G_{eff}$$

The *irradiance* E is the radiant power divided by the irradiated area *S*:

$$E = \frac{\phi}{s}$$

The *irradiance at the exit slit* is

$$E_{ex} = \frac{\phi}{S_{ex}} = \frac{\phi}{h_{ex}s_{ex}} = \frac{\phi}{h_{ex}\Delta\lambda_{ex}}\frac{\mathrm{d}\lambda}{\mathrm{d}x}$$

The *radiant exposure H* is the irradiance integrated over the *measuring time*.