

double line element of *Richter*
 (1987) for the lighting technology with
 the luminance $L = f(\textcolor{red}{L}_P, \textcolor{green}{M}_D, \textcolor{blue}{S}_T)$

$$F(L) = \int_{-\infty}^L (L / \Delta L) \, dL \quad (\text{relative } \textcolor{red}{L}, \textcolor{green}{M}, \textcolor{blue}{S}?)$$

$$F(L) = i Q(H) = \begin{cases} \underline{i} Q(\underline{H}) & (u < u_0) \\ \bar{i} Q(\bar{H}) & (u \geq u_0) \end{cases}$$

with: $\underline{k}=1,4 \quad \bar{k}=1 \quad \underline{i}=1 \quad \bar{i}=-2$

$$u = \log L \quad u_0 = \log L_u$$

$$H = e^{\underline{k}(u-u_0)}, \underline{H} = e^{\underline{k}(u-u_0)}, \bar{H} = e^{\bar{k}(u-u_0)}$$