## double line element of Richter (2006) for the lighting technic with relative luminance $L_r = F(L, M, S)$ luminance signal function $F(L_r)$

 $F(L_{\mathbf{r}}) = iQ(H)$  $H=10^{\mathrm{n}x}\mathrm{r}$  $Q[\log \{1+1/(1+\sqrt{2}H)\}]/\log \sqrt{2}-1$ Taylor-derivations:

 $=-i\sqrt{2}\Delta H/[\log\sqrt{2}(1+\sqrt{2}H)(2+\sqrt{2}H)]$