

# „achromatic signal”-description functions $Q_{lm}[k(u-u_0)]$

with  $u = \log L$  ( $L$  = luminance)

$u_0 = \log L_u$  ( $L_u$  = surround luminance)

$$Q_{lm}[k(u-u_0)] = \frac{l}{\ln \sqrt{2}} \ln q[k(u-u_0)] - m$$

**function values with  $l = m = 1$ :**

$$Q[k(u-u_0) \rightarrow +\infty] = -1$$

$$Q[k(u-u_0) = 0] = 0$$

$$Q[k(u-u_0) \rightarrow -\infty] = 1$$