

# $L^*/L_u^*$ CIELAB & TUBJND

relative lightness  $L^*/L_u^*$   
normalized to the  
background lightness  $L_u^*$

$$L^*_{\text{TUBJND}} = d \ln [ 1 + b \cdot (Y/Y_u) ] \quad d=25,6 \quad b=6,141 \quad [2a]$$

$$L^*_{\text{CIELAB}} = 116 (Y/Y_u)^{1/3} - 16 \quad (Y_u=100, 0,89 \leq Y) \quad [2b]$$

