

log ( $L^*/L_u^*$ )  
 CIELAB & TUBJND

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

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

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

regularity index:  $g^*_5=30, g^*_9=23,$  [ISO 15775]

