

L^*/L_u^* LABJNDu4 relative standard lightness L^*/L_u^*

$$Y_{nc} = L^*_w \mathbf{RGB}_{nc} = 100, \mathbf{52}, \mathbf{87}, \mathbf{31}$$

L^*/L_u^*

2-100

$$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$L^*_N(3,6) = 522, L^*_u(18) = 1187, L^*_w(90) = 1847$$

1-10

$$L^*_{90}/L^*_u = 1,55, A_{0n} = 1,0, A_{2u} = 0,0438, c_x = 0,42$$

$$L^*_{18}/L^*_u = 1,00, A_{1n} = 0,007, A_{2n} = 0,0024$$

$$L^*_{3,6}/L^*_u = 0,43, L^*_u = 1186,52, Y_u = 18$$

0-1 $\log[L^*/L_u^*] = 0, m_u = 0,33$

$$L^*_u = 49, L^*_u = 1187$$

application range

