

$L^*/L_u^*$ LABJNDu3 relative standard lightness  $L^*/L_u^*$  $Y_{nc}=L^*_w \mathbf{RGB}_{nc}=100, \mathbf{52, 87, 31}$  $L^*/L_u^*$ 

2-100

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$L^*_{N(3,6)} = 218, L^*_u(18) = 496, L^*_w(90) = 772$$

1-10

$$L^*_{90}/L^*_u = 1,55, A_{0n} = 1,5, A_{2u} = 0,0699, c_x = 0,67$$

$$L^*_{18}/L^*_u = 1,00, A_{1n} = 0,017, A_{2n} = 0,0038$$

$$L^*_{3,6}/L^*_u = 0,43, L^*_u = 495,86, Y_u = 18$$

0-1

$$\log[L^*/L^*_u] = 0, m_u = 0,33$$

$$L^*_u = 49, L^*_u = 496$$

application  
range