

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

2 100

 $L^*_{\text{LABJNDu3}}=\ln(A_{1n}+A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{\text{LABJNDu3}}=\ln(A_{1n}+A_{2u}x)/(A_{2u}A_{0n}) \quad (x=Y/Y_u)$ $L^*_N(3,6)=491, L^*_u(18)=1116, L^*_w(90)=1737$

1 10

 $L^*_{90}/L^*_u=1,55, A_{0n}=0,6666, A_{2u}=0,0699, c_x=0,67$ $L^*_{18}/L^*_u=1,00, A_{1n}=0,011, A_{2n}=0,0038$ $L^*_{3,6}/L^*_u=0,43, L^*_u=1115,68, Y_u=18$ 0 1 $\log[L^*/L_u^*]=0, m_u=0,33$ $L^*_u=49, L^*_u=1116$ application
range

0,1

1

10

100

 Y

-1

-1

0

1

2

 $\log(Y)$ $x_u=1$ $x_w=5$ $x_N=0,2$