

L^*/L_u^* LABJNDu1 relative standard lightness L^*/L_u^* $Y_{nc}=L^*_w \text{RGB}_{nc}=100, 52, 87, 31$ L^*/L_u^*

3

 $L^*_{LABJNDu1}=\ln(A_{1n}+A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{LABJNDu1}=\ln(A_{1n}+A_{2u}x)/(A_{2u}A_{0n}) \quad (x=Y/Y_u)$ $L^*_N(3,6)=146, L^*_u(18)=332, L^*_w(90)=517$

2

 $L^*/L_u^*=1, m_u=0,79$ $L^*_u=49, L^*_u=332$ application
range

0,1

1

10

100 Y

-1

0

 $x_N=0,2$

1

 $x_W=5$

2

 $\log(Y)$