

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

2 100

 $L^*_{LABJNDu3}=\ln(A_{1n}+A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$  $L^*_{LABJNDu3}=\ln(A_{1n}+A_{2u}x)/(A_{2u}A_{0n}) \quad (x=Y/Y_u)$  $L^*_N(3,6)=146, L^*_u(18)=332, L^*_w(90)=517$ 

1 10

0 1

 $\log[L^*/L_u^*]=0, m_u=0,33$  $L^*_u=49, L^*_u=332$ application  
range

0,1

1

10

100

 $Y$ 

-1

0

1

2

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