

l^*/l_u^* LABJNDu4 relative standard lightness l^*/l_u^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ l^*/l_u^*

2 100

 $l_{LABJNDu4}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l_{LABJNDu4}^* = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$ $l_N^*(3,6)=146, l_u^*(18)=332, l_w^*(90)=517$

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 -2
-1

-1

0

1

2

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