

l^* LABJNDu4 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, \text{21, 72, 7}$ l^*
4
10000 $l^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$ $l^*_N(3,6)=348, l^*_u(18)=791, l^*_W(90)=1231$ $\log[l^*/l^*_u]=0, m_u=0,33$ $L^*_u=49, l^*_u=791$ 2
100 $l^*_{90}=1231,47, A_{0n}=1, A_{2u}=0,0438, c_x=0,42$ $l^*_{18}=791,01, A_{1n}=0,007, A_{2n}=0,0024$ $l^*_{3,6}=347,89, l^*_u=791,01, Y_u=18$ application
range

1

0,1

1

10

100

 Y

-2

-1

0

1

2

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