

l^* LABJNDu3 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ l^*
4 10000 $l^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $l^*_{N(3,6)}=146, l^*_u(18)=332, l^*_{w(90)}=517$

3 1000

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

2 100

 $l^*_{90}=517,21, A_{0n}=1,5, A_{2u}=0,1044, c_x=0,67$ $l^*_{18}=332,22, A_{1n}=0,0011, A_{2n}=0,0058$ $l^*_{3,6}=146,11, l^*_u=332,22, Y_u=18$ application
range

1

0,1

1

10

 $x_u=1$

100 Y

-2

-1

0

1

 $x_N=0,2$ $x_W=5$

2

 $\log(Y)$