

l^*/l_u^* LABJNDu1 relative standard lightness l^*/l_u^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ 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

 $l_{90}^*/l_u^*=1,55, A_{0n}=1,5, A_{2u}=0,1044, c_x=1,00$ $l_{18}^*/l_u^*=1,00, A_{1n}=0,017, A_{2n}=0,0058$ $l_{3,6}^*/l_u^*=0,43, l_u^*=332,22, Y_u=18$ $l^*/l_u^*=1, m_u=0,79$ $L_u^*=49, l_u^*=332$ application
range

0,1

1

10

100 Y

-1

0

1

2 log(Y)

 $x_N=0,2$ $x_W=5$ $l_{x_u}=1$