

l^*/l_u^* IECsRGBu2 relative standard lightness l^*/l_u^* $Y_{nc}=Y_{W\text{RGB}nc}=100, \text{21, 72, 7}$ l^*/l_u^*

2 100

 $l_{IECsRGBu2}^*=50 (Y/Y_u)^{1/2,0} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $l_{N(3,6)}^*=22, l_u^*(18)=50, l_{W(90)}^*=112$

1 10

 $l_{90}^*/l_u^*=2,23, \gamma=2,0, 1/\gamma=1/2,0=0,50$ $l_{18}^*/l_u^*=1,00, S_n=50,00, D_n=-0,00$ $l_{3,6}^*/l_u^*=0,44, l_u^*=50,00, Y_u=18$

0 1

 $\log[l^*/l_u^*]=0, m_u=0,49$ $L_u^*=49, l_u^*=50$ application
range

0,1

1

10

100

 $Y_u=18$

Y

1

0

 $Y_N=3,6$

1

2

 $Y_W=90$

log(Y)