

L^*/L_u^* CIE LABu4 relative standard lightness L^*/L_u^* $Y_{nc}=L^*_wRGB_{nc}=100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{CIE LABu4}=37(Y/Y_u)^{1/1,5}+13 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_N(3,6)=26, L^*_u(18)=50, L^*_w(90)=121$

1 10

 $L^*_{90}/L^*_u=2,42, \gamma=1,5, 1/\gamma=1/1,5=0,66$ $L^*_{18}/L^*_u=1,00, S_n=36,98, D_n=13,01$ $L^*_{3,6}/L^*_u=0,51, L^*_u=50,00, Y_u=18$

0 1

 $\log[L^*/L_u^*]=0, m_u=0,49$ $L^*_u=49, L^*_u=50$

application range

