

$\log(L^*/L_u^*)$ CIELABu0 relative standard lightness L^*/L_u^*
 $Y_{nc}=L^*_wRGB_{nc}=100, 52, 87, 31$

L^*/L_u^*
 2 100
 1 10
 0 1
 -1

$$L^*_{CIELABu0} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_N(3,6)=23, L^*_u(18)=50, L^*_W(90)=97$$

$\log[L^*/L_u^*]=0, m_u=0,43$

$L^*_u=49, L^*_u=50$

application range

