

$L^*/L^*_u$ CIE LABn1 relative standard lightness  $L^*/L^*_n$  $Y_{nc}=L^*_wRGB_{nc}=100, 52, 87, 31$  $L^*/L^*_u$  $L^*_{CIE LABn1}=116(Y/Y_n)^{1/3,0}-16 \quad (Y_n=100, Y_{nc}/100 < Y \leq Y_{nc})$  $L^*_N(3,6)=23, L^*_u(18)=50, L^*_W(90)=96$  $L^*_{90}/L^*_u=1,93, \gamma=3,0, 1/\gamma=1/3,0=0,33$  $L^*_{18}/L^*_u=1,00, S_n=115,49, D_n=-15,49$  $L^*_{3,6}/L^*_u=0,45, L^*_n=49,71, Y_n=18$ 

3

2

1

0

-1

 $L^*/L^*_u=1, m_u=-0,25$ 10  $Y_u=18$  100  $Y$  $L^*_u=49, L^*_n=50$ 0  $Y_N=3,6$  1 $Y_W=90$  2  $\log(Y)$ application  
range