

l^*/l_u^* LABJNDu2 relative standard lightness l^*/l_u^*

$Y_{nc} = Y_{wRGBnc} = 100, 21, 72, 7$

l^*/l_u^*

2 100

$$l_{LABJNDu2}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l_{LABJNDu2}^* = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$$

$$l_N^*(3,6) = 174, l_u^*(18) = 396, l_w^*(90) = 616$$

1 10

0 1 $\log[l^*/l_u^*] = 0, m_u = 0,33$

$L_u^* = 49, l_u^* = 396$

application range

-1 0,1 1 10 100 $l_{x_u} = 1$ y

-2 -1 0 $x_N = 0,2$ 1 $x_w = 5$ 2 $\log(Y)$