

$l^*/l_u^*$ LABJNDu3 relative standard lightness  $l^*/l_u^*$  $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$  $l^*/l_u^*$ 

2 100

$$l_{LABJNDu3}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l_{LABJNDu3}^* = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$$

$$l_N^*(3,6) = 218, l_u^*(18) = 496, l_w^*(90) = 772$$

1 10

0 1

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

$$L_u^* = 49, l_u^* = 496$$

application range

0,1

1

10

100

y

 $l_{x_u} = 1$ 

-2

-1

0

1

2

log(Y)

 $x_N = 0,2$  $x_W = 5$