

L^*/L_u^* LABJNDu4 relative Normhelligkeit L^*/L_u^* $Y_{nc} = L^*_w \text{RGB}_{nc} = 100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{\text{LABJNDu4}} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{\text{LABJNDu4}} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $L^*_N(3,6) = 146, L^*_u(18) = 332, L^*_w(90) = 517$

1 10

 $L^*_{90}/L^*_u = 1,55, A_{0n} = 1,5, A_{2u} = 0,1044, c_x = 0,42$ $L^*_{18}/L^*_u = 1,00, A_{1n} = 0,007, A_{2n} = 0,0058$ $L^*_{3,6}/L^*_u = 0,43, L^*_u = 332,22, Y_u = 18$

0 1

 $\log[L^*/L^*_u] = 0, m_u = 0,33$ $L^*_u = 49, L^*_u = 332$

Anwendungsbereich

0,1

1

10

100

Y

-1

0

1

2

log(Y)

 $x_u = 1$ $x_w = 5$ $x_N = 0,2$