

Equal 9 step grey scaling between $L^*_{0aN}=22$ & $L^*_{0aW}=108.2$, $Y_{0ref}=120$, normalisation white W

$L^*_{0aN}=22.8, L^*_{0aU}=65.5, L^*_{0aW}=108.2, Y_{0aN}=3.3, Y_{0aU}=37.8, Y_{0aW}=120.0, C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$

$L^*_{taN}=81.1, L^*_{taU}=90.2, L^*_{taW}=108.2, Y_{taN}=61.7, Y_{taU}=78.9, Y_{taW}=120.0, C_{taY}=Y_{taW}:Y_{taN}=1.9$

Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}], L^*_{TUBsRGB,W} = 100 [Y/Y_n]^{1/\ln(10)}$ with $Y \geq 0.39 = 100/255$, $Y_n=100$
 $g^*_5=99, g^*_9=99 \quad g^*_5=33, g^*_9=25 \quad g^*_5=47, g^*_9=34$

$L^*_{TUBsRGB,W}$ intended output real output linearized output
 n0. i L^*_{0a} L^*_{0r} Y_{0a} Y_{0r} L^*_{ta} ΔL^*_{ta} L^*_{tr} Y_{ta} $(L^*_{tr})^{1/2.23}$ L^*_{la} ΔL^*_{la}

