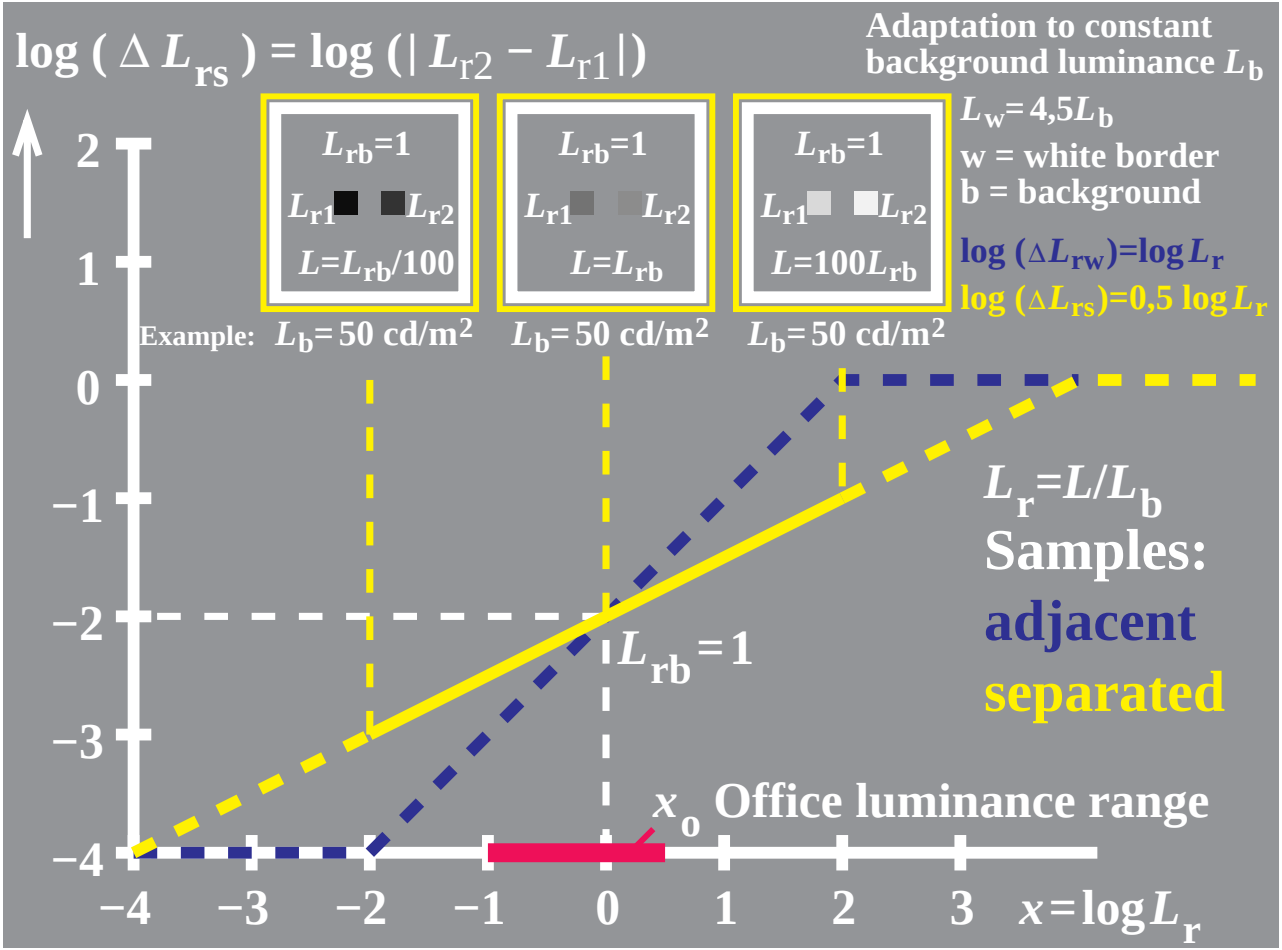
log (Δ L_{rs}) = log (| L_{r2} − L_{r1} |)
Adaptation to constant background luminance L_b
L_w= 4,5L_b
w = white border
b = background
log (ΔL_{rw})=log L_r
log (ΔL_{rs})=0,5 log L_r
L_{rb}=1
L_{r1}
L_{r2}
L=L_{rb}/100
L=L_{rb}
L=100L_{rb}
Example:
L_b= 50 cd/m²
L_b= 50 cd/m²
L_b= 50 cd/m²
L_r=L/L_b
Samples:
adjacent
separated
L_{rb} = 1
x_o Office luminance range
2
1
0
−1
−2
−3
−4
−4
−3
−2
−1
0
1
2
3
x=log L_r

AEQ30−6N