Equal 9 step grey scaling between $L^*_{0aN}=3.6$ and $L^*_{0aW}=95.9$, $Y_{0ref}=2.5$, normalisation white W

$L^*_{0aN}=3.6$, $L^*_{0aU}=49.8$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.4$, $Y_{0aU}=18.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=225.0$

$L^*_{taN}=19.3$, $L^*_{taU}=52.1$, $L^*_{taW}=96.0$, $Y_{taN}=2.8$, $Y_{taU}=20.2$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=31.9$

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

$g^* = 100\,[\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{CIELAB} = 116\,[Y/Y_n]^{1/3} - 16$ with $Y \geq 0{,}882$, $Y_n=100$

$g^*_5= 99$, $g^*_9= 99$ **$g^*_5= 58$, $g^*_9= 48$**   **$g^*_5= 91$, $g^*_9= 89$**

L^*_{CIELAB}	n0. i	intended output L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	real output L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.24}$	linearized output L^*_{la}	ΔL^*_{la}
100	9	96.0	1.0	90.0	1.0	96.0		1.0	90.0	1.0	96.0	
							11.2					9.2
	8	84.4	0.875	64.9	0.72	84.8		0.854	65.6	0.88	86.8	
							11.1					9.4
75	7	72.9	0.75	45.0	0.498	73.7		0.709	46.2	0.758	77.4	
							10.9					9.6
	6	61.3	0.625	29.6	0.326	62.7		0.566	31.3	0.632	67.8	
							10.7					9.9
50	5	49.8	0.5	18.2	0.199	52.1		0.427	20.2	0.504	57.9	
							10.2					10.1
	4	38.2	0.375	10.2	0.11	41.8		0.293	12.4	0.372	47.9	
							9.4					10.0
25	3	26.7	0.25	5.0	0.051	32.4		0.171	7.3	0.241	37.8	
							7.7					9.5
	2	15.1	0.125	1.9	0.017	24.7		0.07	4.3	0.117	28.3	
							5.4					9.0
0	1	3.6	0.0	0.4	0.0	19.3		0	2.8	0.0	19.3	

$\Delta L^*_{0a}=11.5$ **(i=1,2,...,8)**   **normalisation:** $Y_{taiW}=Y_{0aW}\dfrac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

eeq20–3n