

9stufige Grauskalierung zwischen $L^*_{0aN}=-71$ & $L^*_{0aW}=71.5$, $Y_{0ref}=2$, Normierung Weiß W

$L^*_{0aN}=-71.4$, $L^*_{0aU}=0.0$, $L^*_{0aW}=71.5$, $Y_{0aN}=2.0$, $Y_{0aU}=20.0$, $Y_{0aW}=200.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=100.0$
 $L^*_{taN}=-50.2$, $L^*_{taU}=2.6$, $L^*_{taW}=71.5$, $Y_{taN}=4.0$, $Y_{taU}=21.8$, $Y_{taW}=200.0$, $C_{taY}=Y_{taW}:Y_{taN}=50.5$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBLOG,Ua} = 50 / \log(5) [\log(Y/Y_u)]$ mit $Y_u=20$

$g^*_5 = 100$, $g^*_9 = 99$

$g^*_5 = 64$, $g^*_9 = 57$

$g^*_5 = 97$, $g^*_9 = 94$

n0. i	angestrebte Ausgabe				reale Ausgabe					linearisierte Ausgabe	
	L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.2}$	L^*_{la}	ΔL^*_{la}
9	71.5	1.0	200.0	1.0	71.5		1.0	200.0	1.0	71.5	
8	53.6	0.875	112.5	0.558	53.9	17.6	0.855	113.3	0.878	56.6	14.9
7	35.8	0.75	63.2	0.309	36.4	17.5	0.712	64.6	0.753	41.4	15.2
6	17.9	0.625	35.6	0.169	19.3	17.1	0.571	37.2	0.627	26.0	15.4
5	0.0	0.5	20.0	0.091	2.6	16.6	0.435	21.8	0.499	10.5	15.5
4	-17.8	0.375	11.2	0.047	-13.0	15.7	0.305	13.1	0.372	-4.9	15.5
3	-35.7	0.25	6.3	0.022	-27.4	14.4	0.187	8.2	0.247	-20.1	15.2
2	-53.6	0.125	3.5	0.008	-40.0	12.5	0.084	5.5	0.126	-34.8	14.7
1	-71.4	0.0	2.0	0.0	-50.2	10.2	0.0	4.0	0.0	-50.2	15.4

$\Delta L^*_{0a} = 17.9$ (i=1,2,...,8)

Normierung: $Y_{taiW} = Y_{0aW} \frac{Y_{0ai} + Y_{0ref}}{Y_{0aW} + Y_{0ref}}$