

9stufige Grauskalierung zwischen $L^*_{0aN}=50.0$ und $L^*_{0aW}=50.0$, $Y_{ref}=3.6$, Normierung Weiß W

$L^*_{0aN}=49.9$, $L^*_{0aU}=0.0$, $L^*_{0aW}=50.0$, $Y_{0aN}=3.6$, $Y_{0aU}=18.0$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$
 $L^*_{1aN}=29.6$, $L^*_{1aU}=4.4$, $L^*_{1aW}=50.0$, $Y_{1aN}=6.9$, $Y_{1aU}=20.8$, $Y_{1aW}=90.0$, $C_{1aY}=Y_{1aW}:Y_{1aN}=13.0$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBLOG,Ua} = 50 / \log(S) [\log (Y/Y_a)]$ mit $Y_a=18$
 $g^*_5 = 100$, $g^*_9 = 100$, $L^*_{TUBLOG,Ua} = 50 / \log(S)$ mit $Y_a=18$
 $g^*_5 = 63$, $g^*_9 = 57$ $g^*_5 = 97$, $g^*_9 = 89$

L*	angestrebte Ausgabe					reale Ausgabe					linearisierte Ausgabe				
	n0.i	L*0a	L*0r	Y0a	Y0r	L*1a	ΔL^*1a	L*1r	Y1a	$(L^*1r)^{1/1.21}$	L*1a	ΔL^*1a	L*1r	ΔL^*1a	
50	9	50.0	1.0	90.0	1.0	50.0	11.9	1.0	90.0	1.0	50.0	10.0	1.0	90.0	
8	8	37.5	0.875	60.2	0.655	38.1	0.85	61.3	0.875	40.0	10.0				
25	7	25.0	0.75	40.2	0.424	26.4	11.6	0.704	42.2	0.749	30.0	10.1			
6	6	12.5	0.625	26.9	0.27	15.2	11.3	0.563	29.3	0.622	19.9	10.0			
0	5	0.0	0.5	18.0	0.167	4.4	10.7	0.428	20.8	0.497	9.9	10.0			
4	4	-12.4	0.375	12.0	0.098	-5.5	10.0	0.302	15.0	0.373	0.0	9.9			
-25	3	-24.9	0.25	8.0	0.051	-14.6	9.1	0.188	11.2	0.251	-9.6	9.5			
2	2	-37.4	0.125	5.4	0.021	-22.7	8.1	0.086	8.6	0.132	-19.0	10.5			
-50	1	-49.9	0.0	3.6	0.0	-29.6	6.9	0.0	6.9	0.0	-29.6				

$\Delta L^*_{0a}=12.5$ (i=1,2,...,8) Normierung: $Y_{1aW}=Y_{0aW}$ $\frac{Y_{0aU}+Y_{0r}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen $L^*_{0aN}=50.0$ und $L^*_{0aW}=50.0$, $Y_{ref}=0.9$, Normierung Weiß W

$L^*_{0aN}=49.9$, $L^*_{0aU}=0.0$, $L^*_{0aW}=50.0$, $Y_{0aN}=3.6$, $Y_{0aU}=18.0$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$
 $L^*_{1aN}=43.3$, $L^*_{1aU}=1.2$, $L^*_{1aW}=50.0$, $Y_{1aN}=4.4$, $Y_{1aU}=18.7$, $Y_{1aW}=90.0$, $C_{1aY}=Y_{1aW}:Y_{1aN}=20.2$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBLOG,Ua} = 50 / \log(S) [\log (Y/Y_a)]$ mit $Y_a=18$
 $g^*_5 = 100$, $g^*_9 = 100$, $L^*_{TUBLOG,Ua} = 50 / \log(S)$ mit $Y_a=18$
 $g^*_5 = 86$, $g^*_9 = 83$ $g^*_5 = 99$, $g^*_9 = 97$

L*	angestrebte Ausgabe					reale Ausgabe					linearisierte Ausgabe				
	n0.i	L*0a	L*0r	Y0a	Y0r	L*1a	ΔL^*1a	L*1r	Y1a	$(L^*1r)^{1/1.06}$	L*1a	ΔL^*1a	L*1r	ΔL^*1a	
50	9	50.0	1.0	90.0	1.0	50.0	12.3	1.0	90.0	1.0	50.0	11.6	1.0	90.0	
8	8	37.5	0.875	60.2	0.655	37.6	12.3	0.868	60.5	0.875	38.3	11.7			
25	7	25.0	0.75	40.2	0.424	25.4	12.3	0.736	40.7	0.75	26.6	11.7			
6	6	12.5	0.625	26.9	0.27	13.2	12.2	0.606	27.5	0.624	14.9	11.7			
0	5	0.0	0.5	18.0	0.167	1.2	12.0	0.477	18.7	0.499	3.2	11.7			
4	4	-12.4	0.375	12.0	0.098	-10.5	11.8	0.351	12.8	0.374	-8.4	11.6			
-25	3	-24.9	0.25	8.0	0.051	-21.9	11.4	0.229	8.9	0.25	-20.0	11.5			
2	2	-37.4	0.125	5.4	0.021	-32.9	11.0	0.111	6.2	0.127	-31.5	11.8			
-50	1	-49.9	0.0	3.6	0.0	-43.3	10.4	0.0	4.4	0.0	-43.3				

$\Delta L^*_{0a}=12.5$ (i=1,2,...,8) Normierung: $Y_{1aW}=Y_{0aW}$ $\frac{Y_{0aU}+Y_{0r}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen $L^*_{0aN}=50.0$ und $L^*_{0aW}=50.0$, $Y_{ref}=1.8$, Normierung Weiß W

$L^*_{0aN}=49.9$, $L^*_{0aU}=0.0$, $L^*_{0aW}=50.0$, $Y_{0aN}=3.6$, $Y_{0aU}=18.0$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$
 $L^*_{1aN}=37.9$, $L^*_{1aU}=2.3$, $L^*_{1aW}=50.0$, $Y_{1aN}=5.3$, $Y_{1aU}=19.4$, $Y_{1aW}=90.0$, $C_{1aY}=Y_{1aW}:Y_{1aN}=17.0$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBLOG,Ua} = 50 / \log(S) [\log (Y/Y_a)]$ mit $Y_a=18$
 $g^*_5 = 100$, $g^*_9 = 100$, $L^*_{TUBLOG,Ua} = 50 / \log(S)$ mit $Y_a=18$
 $g^*_5 = 76$, $g^*_9 = 72$ $g^*_5 = 98$, $g^*_9 = 94$

L*	angestrebte Ausgabe					reale Ausgabe					linearisierte Ausgabe				
	n0.i	L*0a	L*0r	Y0a	Y0r	L*1a	ΔL^*1a	L*1r	Y1a	$(L^*1r)^{1/1.12}$	L*1a	ΔL^*1a	L*1r	ΔL^*1a	
50	9	50.0	1.0	90.0	1.0	50.0	12.2	1.0	90.0	1.0	50.0	11.0	1.0	90.0	
8	8	37.5	0.875	60.2	0.655	37.8	12.0	0.861	60.8	0.875	39.0	11.0			
25	7	25.0	0.75	40.2	0.424	25.7	11.8	0.724	41.2	0.75	28.0	11.1			
6	6	12.5	0.625	26.9	0.27	13.9	11.5	0.59	28.1	0.624	16.9	11.0			
0	5	0.0	0.5	18.0	0.167	2.3	11.1	0.458	19.4	0.498	5.8	11.0			
4	4	-12.4	0.375	12.0	0.098	-8.7	10.6	0.332	13.6	0.373	-5.0	10.8			
-25	3	-24.9	0.25	8.0	0.051	-19.3	9.8	0.212	9.6	0.25	-15.9	10.7			
2	2	-37.4	0.125	5.4	0.021	-29.1	8.9	0.101	7.0	0.129	-26.6	11.3			
-50	1	-49.9	0.0	3.6	0.0	-37.9	0	0.0	5.3	0.0	-37.9				

$\Delta L^*_{0a}=12.5$ (i=1,2,...,8) Normierung: $Y_{1aW}=Y_{0aW}$ $\frac{Y_{0aU}+Y_{0r}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen $L^*_{0aN}=50.0$ und $L^*_{0aW}=50.0$, $Y_{ref}=90.0$, Normierung Weiß W

$L^*_{0aN}=49.9$, $L^*_{0aU}=0.0$, $L^*_{0aW}=50.0$, $Y_{0aN}=3.6$, $Y_{0aU}=18.0$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$
 $L^*_{1aN}=29.7$, $L^*_{1aU}=34.1$, $L^*_{1aW}=50.0$, $Y_{1aN}=46.8$, $Y_{1aU}=54.0$, $Y_{1aW}=90.0$, $C_{1aY}=Y_{1aW}:Y_{1aN}=1.9$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBLOG,Ua} = 50 / \log(S) [\log (Y/Y_a)]$ mit $Y_a=18$
 $g^*_5 = 100$, $g^*_9 = 100$, $L^*_{TUBLOG,Ua} = 50 / \log(S)$ mit $Y_a=18$
 $g^*_5 = 71$, $g^*_9 = 54$

L*	angestrebte Ausgabe					reale Ausgabe					linearisierte Ausgabe				
	n0.i	L*0a	L*0r	Y0a	Y0r	L*1a	ΔL^*1a	L*1r	Y1a	$(L^*1r)^{1/2.06}$	L*1a	ΔL^*1a	L*1r	ΔL^*1a	
50	9	50.0	1.0	90.0	1.0	50.0	5.6	1.0	90.0	1.0	50.0	2.9	1.0	90.0	
8	8	37.5	0.875	60.2	0.655	44.4	4.4	0.723	75.1	0.854	47.0	2.8			
25	7	25.0	0.75	40.2	0.424	39.9	3.3	0.505	65.1	0.718	44.3	2.5			
6	6	12.5	0.625	26.9	0.27	36.6	2.5	0.34	58.4	0.592	41.7	2.3			
0	5	0.0	0.5	18.0	0.167	34.1	1.8	0.219	54.0	0.478	39.4	2.1			
4	4	-12.4	0.375	12.0	0.098	32.4	1.2	0.132	51.0	0.374	37.3	2.0			
-25	3	-24.9	0.25	8.0	0.051	31.1	0.8	0.071	49.0	0.277	35.3	2.0			
2	2	-37.4	0.125	5.4	0.021	30.3	0.6	0.029	47.7	0.179	33.3	2.0			
-50	1	-49.9	0.0	3.6	0.0	29.7	0	0.0	46.8	0.0	29.7				

$\Delta L^*_{0a}=12.5$ (i=1,2,...,8) Normierung: $Y_{1aW}=Y_{0aW}$ $\frac{Y_{0aU}+Y_{0r}}{Y_{0aW}+Y_{0ref}}$