

9stufige Grauskalierung zwischen $L^*_{0aW}=48.3$ und $L^*_{0aW}=48.3$, $Y_{0ref}=3.6$, Normierung Weiß W

$L^*_{0aW}=48.3$, $L^*_{0at}=0.0$, $L^*_{0aW}=48.4$, $Y_{0aW}=2.6$, $Y_{0aW}=18.0$, $Y_{0aW}=126.0$, $C_{0aY}=Y_{0aW}$; $Y_{0aW}=49.0$
 $L^*_{taW}=-27.2$, $L^*_{taU}=3.8$, $L^*_{taW}=48.4$, $Y_{taW}=6.0$, $Y_{taW}=21.0$, $Y_{taW}=126.0$, $C_{taY}=Y_{taW}$; $Y_{taW}=21.0$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$ mit $Y_{aW}=18$
 $g^*_5 = 100$, $g^*_6 = 100$ $g^*_7 = 56$, $g^*_8 = 49$ $g^*_9 = 97$, $g^*_9 = 89$

L* _{TUBJNDI}	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.1	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL^*_{ta}	L*tr	Yta	$(L^*_{tr})^{1/1.27}$	L*la	ΔL^*_{la}	la
50	9	48.4	1.0	126.0	1.0	48.4	11.7	1.0	126.0	1.0	48.4	9.3	9.3
8	8	36.3	0.875	77.4	0.607	36.7	0.846	78.8	0.877	39.0	10.4	10.4	10.4
25	7	24.2	0.75	47.6	0.365	25.3	0.695	49.8	0.751	29.5	9.6	9.6	9.6
6	6	12.1	0.625	29.3	0.216	14.3	0.549	31.9	0.624	19.9	9.6	9.6	9.6
0	5	0.0	0.5	18.0	0.125	3.8	0.411	21.0	0.497	10.3	9.5	9.5	9.5
4	4	-12.0	0.375	11.1	0.069	-5.7	0.284	14.2	0.372	0.8	9.2	9.2	9.2
-25	3	-24.1	0.25	6.8	0.034	-14.2	0.171	10.1	0.25	-8.3	8.9	8.9	8.9
2	2	-36.2	0.125	4.2	0.013	-21.5	0.076	7.6	0.132	-17.2	10.0	10.0	10.0
-50	1	-48.3	0.0	2.6	0.0	-27.2	0.0	6.0	0.0	-27.2	10.0	10.0	10.0

$\Delta L^*_{0a}=12.1$ (i=1,2,...,8) Normierung: $Y_{taW}=Y_{0aW}$ $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen $L^*_{0aW}=48.3$ und $L^*_{0aW}=48.3$, $Y_{0ref}=0.9$, Normierung Weiß W

$L^*_{0aW}=48.3$, $L^*_{0at}=0.0$, $L^*_{0aW}=48.4$, $Y_{0aW}=2.6$, $Y_{0aW}=18.0$, $Y_{0aW}=126.0$, $C_{0aY}=Y_{0aW}$; $Y_{0aW}=49.0$
 $L^*_{taW}=-41.0$, $L^*_{taU}=1.0$, $L^*_{taW}=48.4$, $Y_{taW}=3.4$, $Y_{taW}=18.8$, $Y_{taW}=126.0$, $C_{taY}=Y_{taW}$; $Y_{taW}=36.6$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$ mit $Y_{aW}=18$
 $g^*_5 = 100$, $g^*_6 = 100$ $g^*_7 = 82$, $g^*_8 = 79$ $g^*_9 = 98$, $g^*_9 = 97$

L* _{TUBJNDI}	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.1	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL^*_{ta}	L*tr	Yta	$(L^*_{tr})^{1/1.08}$	L*la	ΔL^*_{la}	la
50	9	48.4	1.0	126.0	1.0	48.4	12.0	1.0	126.0	1.0	48.4	11.1	11.1
8	8	36.3	0.875	77.4	0.607	36.4	0.866	77.8	0.876	37.2	11.2	11.2	11.2
25	7	24.2	0.75	47.6	0.365	24.5	0.733	48.2	0.751	26.1	11.2	11.2	11.2
6	6	12.1	0.625	29.3	0.216	12.7	0.601	29.9	0.625	14.8	11.3	11.3	11.3
0	5	0.0	0.5	18.0	0.125	1.0	0.471	18.8	0.499	3.6	11.2	11.2	11.2
4	4	-12.0	0.375	11.1	0.069	-10.2	0.344	11.9	0.373	-7.6	11.1	11.1	11.1
-25	3	-24.1	0.25	6.8	0.034	-21.2	0.221	7.6	0.249	-18.7	11.0	11.0	11.0
2	2	-36.2	0.125	4.2	0.013	-31.5	0.106	5.0	0.126	-29.7	11.3	11.3	11.3
-50	1	-48.3	0.0	2.6	0.0	-41.0	0.0	3.4	0.0	-41.0	11.3	11.3	11.3

$\Delta L^*_{0a}=12.1$ (i=1,2,...,8) Normierung: $Y_{taW}=Y_{0aW}$ $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen $L^*_{0aW}=48.3$ und $L^*_{0aW}=48.3$, $Y_{0ref}=1.8$, Normierung Weiß W

$L^*_{0aW}=48.3$, $L^*_{0at}=0.0$, $L^*_{0aW}=48.4$, $Y_{0aW}=2.6$, $Y_{0aW}=18.0$, $Y_{0aW}=126.0$, $C_{0aY}=Y_{0aW}$; $Y_{0aW}=49.0$
 $L^*_{taW}=-35.4$, $L^*_{taU}=2.0$, $L^*_{taW}=48.4$, $Y_{taW}=4.3$, $Y_{taW}=19.5$, $Y_{taW}=126.0$, $C_{taY}=Y_{taW}$; $Y_{taW}=29.2$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$ mit $Y_{aW}=18$
 $g^*_5 = 100$, $g^*_6 = 100$ $g^*_7 = 71$, $g^*_8 = 65$ $g^*_9 = 98$, $g^*_9 = 94$

L* _{TUBJNDI}	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.1	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL^*_{ta}	L*tr	Yta	$(L^*_{tr})^{1/1.15}$	L*la	ΔL^*_{la}	la
50	9	48.4	1.0	126.0	1.0	48.4	11.9	1.0	126.0	1.0	48.4	10.4	10.4
8	8	36.3	0.875	77.4	0.607	36.5	0.858	78.1	0.876	38.0	10.5	10.5	10.5
25	7	24.2	0.75	47.6	0.365	24.7	0.718	48.7	0.751	27.5	10.6	10.6	10.6
6	6	12.1	0.625	29.3	0.216	13.2	0.581	30.6	0.625	16.9	10.6	10.6	10.6
0	5	0.0	0.5	18.0	0.125	2.0	0.447	19.5	0.499	6.3	10.5	10.5	10.5
4	4	-12.0	0.375	11.1	0.069	-8.6	0.32	12.7	0.373	-4.2	10.4	10.4	10.4
-25	3	-24.1	0.25	6.8	0.034	-18.6	0.2	8.5	0.249	-14.5	10.1	10.1	10.1
2	2	-36.2	0.125	4.2	0.013	-27.6	0.093	5.9	0.128	-24.7	10.7	10.7	10.7
-50	1	-48.3	0.0	2.6	0.0	-35.4	0.0	4.3	0.0	-35.4	10.7	10.7	10.7

$\Delta L^*_{0a}=12.1$ (i=1,2,...,8) Normierung: $Y_{taW}=Y_{0aW}$ $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen $L^*_{0aW}=48.3$ und $L^*_{0aW}=48.3$, $Y_{0ref}=126.0$, Normierung Weiß W

$L^*_{0aW}=48.3$, $L^*_{0at}=0.0$, $L^*_{0aW}=48.4$, $Y_{0aW}=2.6$, $Y_{0aW}=18.0$, $Y_{0aW}=126.0$, $C_{0aY}=Y_{0aW}$; $Y_{0aW}=49.0$
 $L^*_{taW}=31.6$, $L^*_{taU}=34.4$, $L^*_{taW}=48.4$, $Y_{taW}=64.3$, $Y_{taW}=72.0$, $Y_{taW}=126.0$, $C_{taY}=Y_{taW}$; $Y_{taW}=2.0$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$ mit $Y_{aW}=18$
 $g^*_5 = 100$, $g^*_6 = 100$ $g^*_7 = 8$, $g^*_8 = 5$ $g^*_9 = 67$, $g^*_9 = 49$

L* _{TUBJNDI}	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.1	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL^*_{ta}	L*tr	Yta	$(L^*_{tr})^{1/2.39}$	L*la	ΔL^*_{la}	la
50	9	48.4	1.0	126.0	1.0	48.4	5.3	1.0	126.0	1.0	48.4	2.5	2.5
8	8	36.3	0.875	77.4	0.607	43.0	0.682	101.7	0.852	45.9	2.3	2.3	2.3
25	7	24.2	0.75	47.6	0.365	39.1	0.446	86.8	0.713	43.6	2.1	2.1	2.1
6	6	12.1	0.625	29.3	0.216	36.3	0.28	77.6	0.587	41.5	1.9	1.9	1.9
0	5	0.0	0.5	18.0	0.125	34.4	0.168	72.0	0.474	39.6	1.7	1.7	1.7
4	4	-12.0	0.375	11.1	0.069	33.2	0.095	68.5	0.373	37.9	1.5	1.5	1.5
-25	3	-24.1	0.25	6.8	0.034	32.4	0.048	66.4	0.281	36.3	1.5	1.5	1.5
2	2	-36.2	0.125	4.2	0.013	31.9	0.018	65.1	0.188	34.8	3.1	3.1	3.1
-50	1	-48.3	0.0	2.6	0.0	31.6	0.0	64.3	0.0	31.6	3.1	3.1	3.1

$\Delta L^*_{0a}=12.1$ (i=1,2,...,8) Normierung: $Y_{taW}=Y_{0aW}$ $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$