

# 9stufige Grauskalierung zwischen $L^*_{0aN}=14.4$ und $L^*_{0aW}=125$ , $Y_{0ref}=14.4$ , Normierung: Weiß W

$L^*_{0aN}=14.4$ ,  $L^*_{0aU}=69.7$ ,  $L^*_{0aW}=125.1$ ,  $Y_{0aN}=1.8$ ,  $Y_{0aU}=40.4$ ,  $Y_{0aW}=180.0$ ,  $C_{0aY}=Y_{0aW}:Y_{0aN}=100.0$   
 $L^*_{tN}=45.6$ ,  $L^*_{taU}=76.5$ ,  $L^*_{taW}=125.1$ ,  $Y_{taN}=15.0$ ,  $Y_{taU}=50.7$ ,  $Y_{taW}=180.0$ ,  $C_{taY}=Y_{taW}:Y_{taN}=12.0$

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

$$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$$

$L^*$	$g^*_5=99, g^*_9=99$				$g^*_5=45, g^*_9=34$					$g^*_5=93, g^*_9=91$		
	n0. i	angestrebte Ausgabe				reale Ausgabe					linearisierte Ausgabe	
	$L^*_{0a}$	$L^*_{0r}$	$Y_{0a}$	$Y_{0r}$	$L^*_{ta}$	$\Delta L^*_{ta}$	$L^*_{tr}$	$Y_{ta}$	$(L^*_{tr})^{1/1.37}$	$L^*_{la}$	$\Delta L^*_{la}$	
150	9	125.1	1.0	180.0	1.0	125.1	12.7	1.0	180.0	1.0	125.1	9.5
	8	111.3	0.875	132.0	0.731	112.4	12.4	0.84	135.6	0.88	115.6	9.8
100	7	97.4	0.75	93.5	0.514	99.9	12.0	0.684	99.9	0.757	105.8	10.0
	6	83.6	0.625	63.3	0.345	87.9	11.4	0.532	71.9	0.631	95.8	10.3
	5	69.7	0.5	40.4	0.217	76.5	10.5	0.389	50.7	0.502	85.5	10.4
	4	55.9	0.375	23.8	0.124	66.0	9.0	0.257	35.4	0.371	75.1	10.2
	3	42.1	0.25	12.5	0.06	57.0	7.0	0.143	24.9	0.242	64.9	9.6
	2	28.2	0.125	5.5	0.021	50.1	4.4	0.056	18.5	0.121	55.3	9.6
0	1	14.4	0.0	1.8	0.0	45.6		0.0	15.0	0.0	45.6	

$$\Delta L^*_{ta}=13.8 \quad (i=1,2,\dots,9)$$

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