

**9stufige Grauskalierung zwischen  $L^*_{0aN}=-27.3$  und  $L^*_{0aW}=27.3$ ,  $Y_{0ref}=54.0$ , Normierung Grau U**

$L^*_{0aN}=-27.2$ ,  $L^*_{0aU}=0.0$ ,  $L^*_{0aW}=27.3$ ,  $Y_{0aN}=6.0$ ,  $Y_{0aU}=18.0$ ,  $Y_{0aW}=54.0$ ,  $C_{0aY}=Y_{0aW}:Y_{0aN}=9.0$

$L^*_{taN}=-4.4$ ,  $L^*_{taU}=0.0$ ,  $L^*_{taW}=10.1$ ,  $Y_{taN}=15.0$ ,  $Y_{taU}=18.0$ ,  $Y_{taW}=27.0$ ,  $C_{taY}=Y_{taW}:Y_{taN}=1.8$

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

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$ ,  $L^*_{TUBJND1} = 40 / \log(5) [\log ( Y/Y_U )]$  mit  $Y_U=18$

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

$g^*_5=29$ ,  $g^*_9=24$

$g^*_5=78$ ,  $g^*_9=64$

| L* <sub>TUBJND1</sub><br>n0. i | angestrebte Ausgabe |                  |                 |                 | reale Ausgabe    |                   |                  |                 |                       |                  | linearisierte Ausgabe |  |
|--------------------------------|---------------------|------------------|-----------------|-----------------|------------------|-------------------|------------------|-----------------|-----------------------|------------------|-----------------------|--|
|                                | L* <sub>0a</sub>    | L* <sub>0r</sub> | Y <sub>0a</sub> | Y <sub>0r</sub> | L* <sub>ta</sub> | $\Delta L^*_{ta}$ | L* <sub>tr</sub> | Y <sub>ta</sub> | $(L^*_{tr})^{1/1.62}$ | L* <sub>la</sub> | $\Delta L^*_{la}$     |  |
| 9                              | 27.3                | 1.0              | 54.0            | 1.0             | 10.1             |                   | 1.0              | 27.0            | 1.0                   | 10.1             |                       |  |
| 8                              | 20.5                | 0.875            | 41.0            | 0.73            | 6.9              | 3.2               | 0.782            | 23.7            | 0.859                 | 8.0              | 2.0                   |  |
| 7                              | 13.6                | 0.75             | 31.2            | 0.524           | 4.2              | 2.7               | 0.596            | 21.3            | 0.727                 | 6.1              | 1.9                   |  |
| 6                              | 6.8                 | 0.625            | 23.7            | 0.368           | 1.9              | 2.3               | 0.439            | 19.4            | 0.602                 | 4.3              | 1.8                   |  |
| 5                              | 0.0                 | 0.5              | 18.0            | 0.25            | 0.0              | 1.9               | 0.31             | 18.0            | 0.485                 | 2.6              | 1.7                   |  |
| 4                              | -6.7                | 0.375            | 13.7            | 0.16            | -1.4             | 1.5               | 0.205            | 16.9            | 0.376                 | 0.9              | 1.6                   |  |
| 3                              | -13.6               | 0.25             | 10.4            | 0.091           | -2.7             | 1.2               | 0.12             | 16.1            | 0.27                  | -0.5             | 1.5                   |  |
| 2                              | -20.4               | 0.125            | 7.9             | 0.039           | -3.7             | 1.0               | 0.053            | 15.5            | 0.163                 | -2.1             | 1.6                   |  |
| 1                              | -27.2               | 0.0              | 6.0             | 0.0             | -4.4             | 0.8               | 0.0              | 15.0            | 0.0                   | -4.4             | 2.4                   |  |

$\Delta L^*_{0a}=6.8$

(i=1,2,...,8)

Normierung:  $Y_{taiU}=Y_{0aU} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$