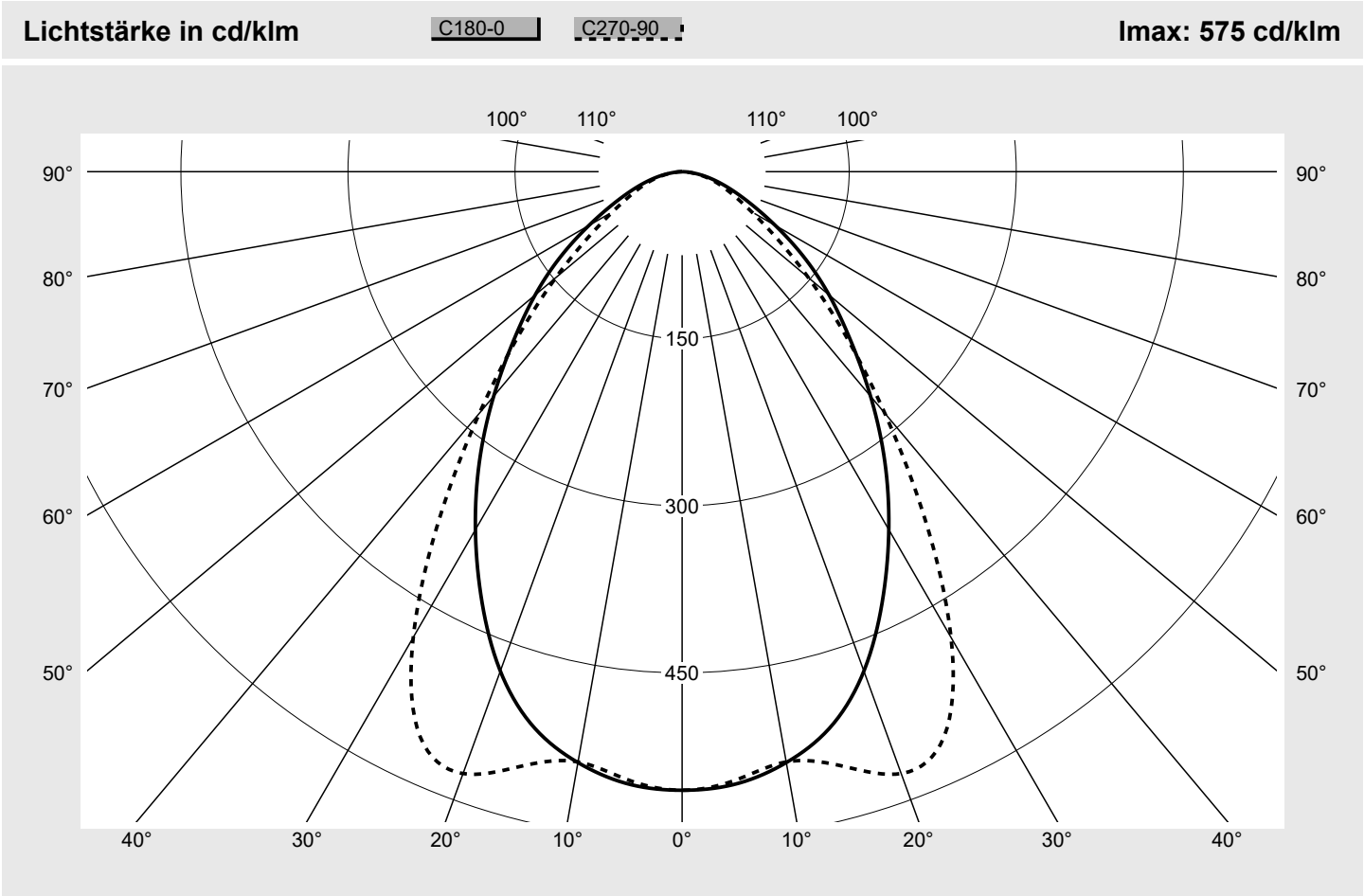


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|                                                                                  |                                                               |                                                                                     |
|----------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Familie</b><br><b>Licross® 11 Recessed</b>                                    | <b>Bestell-Nr.: 51TE12VN4AXM</b><br><b>EAN: 4058352972274</b> | <b>LP-Nummer</b><br><b>58689_134</b>                                                |
|  | <b>Ausführung</b>                                             | Abdeckung satiniert, breit strahlend, hoher Sehkomfort                              |
|                                                                                  | <b>Bestückung</b>                                             | LED 4000 K   CRI ≥ 80                                                               |
|                                                                                  | <b>Betriebsgerät</b>                                          | EVG-DALI CLO                                                                        |
|                                                                                  | <b>Bemessungswerte</b>                                        | Nettolichtstrom = 10000 lm<br>Systemleistung = 53.4 W<br>Lichtausbeute = 187.3 lm/W |
|                                                                                  |                                                               | <b>Seriendokumentation</b><br><b>05.10.2023</b>                                     |
|                                                                                  |                                                               |  |



| Klassifizierungen |                   | Leuchtenbetriebswirkungsgrade |        |
|-------------------|-------------------|-------------------------------|--------|
| DIN 5040          | A 5 0             | $\eta_{LB}$                   | 100,0% |
| CIE               | N1=66 N2=91 N3=98 | $\phi_u$                      | 100,0% |
|                   | N4=100 N5=100     | $\phi_o$                      | 0,0%   |

| Messbedingungen           |
|---------------------------|
| DIN EN 13032 und DIN 5032 |

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|                                                                            |                                                                    |                                           |
|----------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------|
| <div>Familie</div> <div>Licross® 11 Recessed</div>                         | <div>Bestell-Nr.: 51TE12VN4AXM</div> <div>EAN: 4058352972274</div> | <div>LP-Nummer</div> <div>58689_134</div> |
| <div>Wertetabelle Lichtstärkemessung</div> <div>Maximale Lichtstärke</div> |                                                                    | <div>sit</div> <div>eco</div>             |

| C-<br>Ebenen | 0°<br>180°            | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |                             |                             |                             |                             |                             |             | Lichtstrom in lm/klm |                   |
| 0°           | 555.4                 | 555.4                       | 555.4                       | 555.4                       | 555.4                       | 555.4                       | 555.4       | 3.3                  | 3.3               |
| 5°           | 551.9                 | 549.3                       | 545.0                       | 546.0                       | 548.1                       | 548.0                       | 548.5       | 26.2                 | 29.5              |
| 10°          | 538.7                 | 535.0                       | 528.7                       | 529.1                       | 532.7                       | 535.9                       | 538.2       | 50.8                 | 80.3              |
| 15°          | 515.9                 | 510.9                       | 504.6                       | 513.1                       | 530.5                       | 544.7                       | 552.3       | 74.2                 | 154.5             |
| 20°          | 477.2                 | 471.4                       | 470.1                       | 497.6                       | 537.0                       | 563.7                       | 575.1       | 95.8                 | 250.2             |
| 25°          | 425.5                 | 419.5                       | 426.9                       | 469.4                       | 521.2                       | 548.6                       | 558.0       | 111.1                | 361.3             |
| 30°          | 371.2                 | 364.3                       | 378.4                       | 421.3                       | 459.9                       | 477.2                       | 482.9       | 115.5                | 476.8             |
| 35°          | 317.2                 | 309.8                       | 328.6                       | 357.7                       | 367.8                       | 374.7                       | 379.7       | 109.4                | 586.2             |
| 40°          | 263.2                 | 255.5                       | 280.4                       | 291.4                       | 277.2                       | 277.7                       | 283.1       | 97.2                 | 683.4             |
| 45°          | 213.7                 | 204.0                       | 230.1                       | 230.5                       | 202.8                       | 200.2                       | 207.0       | 82.5                 | 765.9             |
| 50°          | 172.3                 | 160.2                       | 177.2                       | 176.6                       | 149.6                       | 143.3                       | 148.0       | 67.7                 | 833.6             |
| 55°          | 133.3                 | 121.6                       | 126.4                       | 129.1                       | 111.8                       | 101.0                       | 103.0       | 53.0                 | 886.6             |
| 60°          | 96.7                  | 87.9                        | 85.2                        | 90.2                        | 83.1                        | 71.0                        | 72.1        | 39.7                 | 926.3             |
| 65°          | 67.7                  | 61.0                        | 56.3                        | 61.1                        | 60.5                        | 50.8                        | 52.1        | 29.0                 | 955.3             |
| 70°          | 46.9                  | 41.7                        | 36.5                        | 40.2                        | 42.1                        | 36.4                        | 38.1        | 20.6                 | 975.8             |
| 75°          | 30.9                  | 26.7                        | 22.6                        | 25.0                        | 27.1                        | 24.7                        | 26.6        | 13.7                 | 989.5             |
| 80°          | 17.8                  | 14.8                        | 12.0                        | 13.1                        | 14.7                        | 14.1                        | 15.6        | 7.7                  | 997.1             |
| 85°          | 6.6                   | 5.4                         | 4.4                         | 4.8                         | 5.3                         | 5.4                         | 5.9         | 2.9                  | 1000.0            |
| 90°          | 0.0                   | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0         | 0.0                  | 1000.0            |
| 180°         | 0.0                   | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0         | 0.0                  | 1000.0            |

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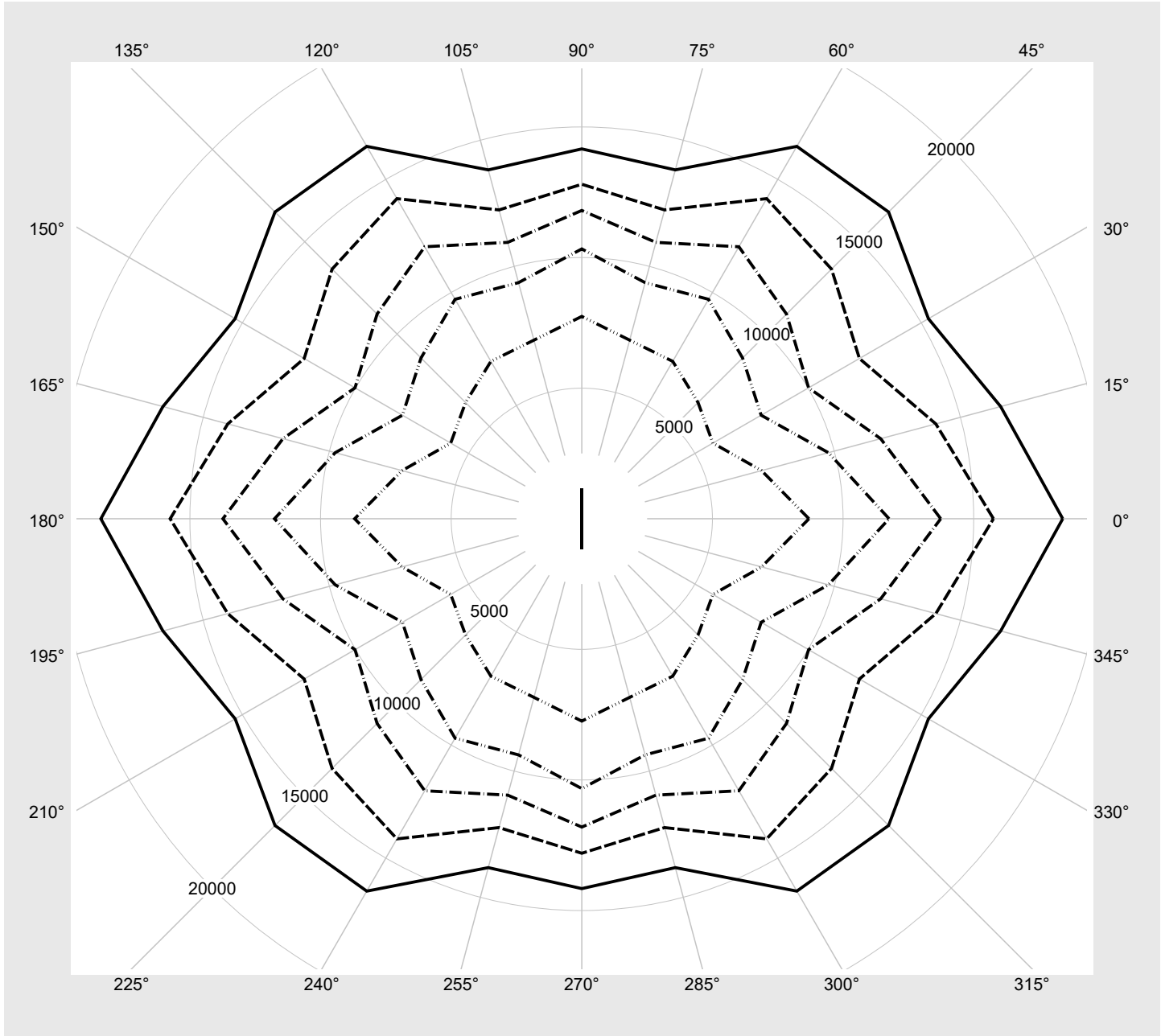
|                                 |     |                                     |                                                 |      |      |      |                                       |      |      |                        |      |
|---------------------------------|-----|-------------------------------------|-------------------------------------------------|------|------|------|---------------------------------------|------|------|------------------------|------|
| Familie<br>Licross® 11 Recessed |     |                                     | Bestell-Nr.: 51TE12VN4AXM<br>EAN: 4058352972274 |      |      |      |                                       |      |      | LP-Nummer<br>58689_134 |      |
| UGR-Tabelle                     |     |                                     | Standardraum                                    |      |      |      |                                       |      |      | siteco                 |      |
| Reflexionsgrad Decke            |     | 0,7                                 | 0,7                                             | 0,5  | 0,5  | 0,3  | 0,7                                   | 0,7  | 0,5  | 0,5                    | 0,3  |
| Reflexionsgrad Wände            |     | 0,5                                 | 0,3                                             | 0,5  | 0,3  | 0,3  | 0,5                                   | 0,3  | 0,5  | 0,3                    | 0,3  |
| Reflexionsgrad Boden            |     | 0,2                                 | 0,2                                             | 0,2  | 0,2  | 0,2  | 0,2                                   | 0,2  | 0,2  | 0,2                    | 0,2  |
| Raumabmessungen                 |     | Blickrichtung quer zur Leuchte (C0) |                                                 |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |                        |      |
| x                               | y   |                                     |                                                 |      |      |      |                                       |      |      |                        |      |
| 2H                              | 2H  | 22,9                                | 24,4                                            | 23,2 | 24,7 | 25,0 | 22,3                                  | 23,8 | 22,7 | 24,1                   | 24,5 |
|                                 | 3H  | 23,6                                | 24,9                                            | 24,0 | 25,3 | 25,6 | 22,9                                  | 24,3 | 23,3 | 24,6                   | 24,9 |
|                                 | 4H  | 23,9                                | 25,1                                            | 24,3 | 25,5 | 25,9 | 23,2                                  | 24,4 | 23,6 | 24,8                   | 25,2 |
|                                 | 6H  | 24,1                                | 25,3                                            | 24,5 | 25,6 | 26,0 | 23,4                                  | 24,5 | 23,8 | 24,9                   | 25,3 |
|                                 | 8H  | 24,3                                | 25,3                                            | 24,7 | 25,7 | 26,1 | 23,5                                  | 24,6 | 24,0 | 24,9                   | 25,3 |
|                                 | 12H | 24,3                                | 25,2                                            | 24,7 | 25,6 | 26,1 | 23,6                                  | 24,5 | 24,0 | 24,9                   | 25,3 |
| 4H                              | 2H  | 23,2                                | 24,4                                            | 23,6 | 24,8 | 25,2 | 22,8                                  | 24,0 | 23,2 | 24,4                   | 24,7 |
|                                 | 3H  | 24,0                                | 25,1                                            | 24,5 | 25,4 | 25,9 | 23,6                                  | 24,6 | 24,0 | 25,0                   | 25,4 |
|                                 | 4H  | 24,4                                | 25,3                                            | 24,8 | 25,7 | 26,1 | 23,9                                  | 24,8 | 24,3 | 25,2                   | 25,7 |
|                                 | 6H  | 24,7                                | 25,5                                            | 25,1 | 25,9 | 26,4 | 24,2                                  | 25,0 | 24,6 | 25,4                   | 25,9 |
|                                 | 8H  | 24,8                                | 25,5                                            | 25,2 | 25,9 | 26,4 | 24,3                                  | 25,0 | 24,8 | 25,4                   | 25,9 |
|                                 | 12H | 24,9                                | 25,5                                            | 25,3 | 25,9 | 26,4 | 24,4                                  | 25,0 | 24,8 | 25,4                   | 25,9 |
| 8H                              | 4H  | 24,5                                | 25,2                                            | 24,9 | 25,6 | 26,1 | 24,0                                  | 24,7 | 24,5 | 25,2                   | 25,7 |
|                                 | 6H  | 24,8                                | 25,4                                            | 25,3 | 25,9 | 26,4 | 24,4                                  | 25,0 | 24,9 | 25,4                   | 25,9 |
|                                 | 8H  | 24,9                                | 25,4                                            | 25,4 | 25,9 | 26,4 | 24,5                                  | 25,0 | 25,0 | 25,5                   | 26,0 |
|                                 | 12H | 25,0                                | 25,4                                            | 25,5 | 25,9 | 26,5 | 24,6                                  | 25,0 | 25,1 | 25,5                   | 26,1 |
| 12H                             | 4H  | 24,5                                | 25,1                                            | 25,0 | 25,6 | 26,1 | 24,0                                  | 24,7 | 24,5 | 25,1                   | 25,6 |
|                                 | 6H  | 24,8                                | 25,3                                            | 25,3 | 25,8 | 26,3 | 24,4                                  | 24,9 | 24,9 | 25,4                   | 25,9 |
|                                 | 8H  | 25,0                                | 25,4                                            | 25,5 | 25,9 | 26,4 | 24,5                                  | 25,0 | 25,1 | 25,5                   | 26,0 |

| Leuchtdichten-Tabelle |                       | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische<br>Abmessungen in mm: |                             | L = 1500<br>B = 58          |             |
|-----------------------|-----------------------|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|-----------------------------|-------------|
| C-<br>Ebenen          | 0°<br>180°            | 15°<br>165°<br>195°<br>345°     | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315°           | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° |
| $\gamma$              | Leuchtdichte in cd/m² |                                 |                             |                                       |                             |                             |             |
| 45°                   | 34738.4               | 33158.9                         | 37397.0                     | 37462.5                               | 32968.2                     | 32539.1                     | 33653.7     |
| 50°                   | 30805.1               | 28654.3                         | 31690.3                     | 31585.3                               | 26752.7                     | 25624.9                     | 26464.3     |
| 55°                   | 26718.2               | 24359.6                         | 25322.1                     | 25865.9                               | 22399.1                     | 20246.0                     | 20641.2     |
| 60°                   | 22223.7               | 20201.6                         | 19592.9                     | 20730.8                               | 19110.8                     | 16323.9                     | 16565.7     |
| 65°                   | 18408.2               | 16598.2                         | 15319.7                     | 16608.0                               | 16461.4                     | 13827.6                     | 14159.7     |
| 70°                   | 15756.6               | 14028.9                         | 12270.2                     | 13517.4                               | 14151.9                     | 12240.7                     | 12806.3     |
| 75°                   | 13737.9               | 11843.8                         | 10023.4                     | 11081.7                               | 12024.6                     | 10954.7                     | 11802.9     |
| 80°                   | 11762.5               | 9772.0                          | 7927.2                      | 8703.7                                | 9701.2                      | 9359.0                      | 10330.0     |
| 85°                   | 8695.0                | 7122.9                          | 5793.6                      | 6292.1                                | 6959.4                      | 7079.4                      | 7746.7      |

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|                                                                                                                                 |                                                               |                                      |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| <b>Familie</b><br><b>Licross® 11 Recessed</b>                                                                                   | <b>Bestell-Nr.: 51TE12VN4AXM</b><br><b>EAN: 4058352972274</b> | <b>LP-Nummer</b><br><b>58689_134</b> |
| <b>Leuchtdichten in cd/m²</b> <div> <div>γ 65°</div> <div>γ 70°</div> <div>γ 75°</div> <div>γ 80°</div> <div>γ 85°</div> </div> |                                                               |                                      |

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|                                               |                                                               |                                      |
|-----------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| <b>Familie</b><br><b>Licross® 11 Recessed</b> | <b>Bestell-Nr.: 51TE12VN4AXM</b><br><b>EAN: 4058352972274</b> | <b>LP-Nummer</b><br><b>58689_134</b> |
| <b>Dimmstufen-Tabelle</b>                     |                                                               | <b>Umgebungstemperatur: 25°C</b>     |

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| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100            | 254              | 254                     | 10000           | 53.4                                 | 59.3                               | 56.4                            |
| 95             | 241              | 252                     | 9513            | 50.8                                 | 56.3                               | 53.6                            |
| 90             | 227              | 250                     | 8987            | 47.9                                 | 53.1                               | 50.5                            |
| 85             | 214              | 248                     | 8497            | 45.1                                 | 50.2                               | 47.7                            |
| 80             | 201              | 245                     | 8002            | 42.5                                 | 47.1                               | 44.8                            |
| 75             | 188              | 243                     | 7506            | 39.8                                 | 44.1                               | 42.0                            |
| 70             | 175              | 240                     | 7005            | 37.2                                 | 41.1                               | 39.2                            |
| 65             | 162              | 238                     | 6502            | 34.5                                 | 38.3                               | 36.4                            |
| 60             | 149              | 234                     | 5996            | 32.0                                 | 35.3                               | 33.6                            |
| 55             | 136              | 231                     | 5485            | 29.3                                 | 32.4                               | 30.8                            |
| 50             | 124              | 228                     | 5014            | 27.0                                 | 29.7                               | 28.4                            |
| 45             | 111              | 224                     | 4496            | 24.4                                 | 26.8                               | 25.6                            |
| 40             | 99               | 219                     | 4020            | 22.0                                 | 24.2                               | 23.1                            |
| 35             | 86               | 214                     | 3500            | 19.5                                 | 21.3                               | 20.4                            |
| 30             | 74               | 209                     | 3016            | 17.0                                 | 18.6                               | 17.8                            |
| 25             | 61               | 202                     | 2491            | 14.5                                 | 15.8                               | 15.2                            |
| 20             | 49               | 194                     | 2002            | 12.0                                 | 13.2                               | 12.6                            |
| 15             | 37               | 183                     | 1511            | 9.7                                  | 10.5                               | 10.1                            |
| 10             | 25               | 169                     | 1018            | 7.3                                  | 7.9                                | 7.6                             |
| 5              | 12               | 142                     | 481             | 4.9                                  | 5.2                                | 5.1                             |
| 2              | 6                | 117                     | 230             | 3.7                                  | 3.8                                | 3.8                             |