

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 11 Recessed**

**Bestell-Nr.: 51TE12DV4M2M**  
**EAN: 4058352924969**

**LP-Nummer**  
**58689\_102**



**Ausführung** Abdeckung satiniert, breit strahlend, hoher Sehkomfort

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 27150 lm  
Systemleistung = 150.5 W  
Lichtausbeute = 180.4 lm/W

**Seriendokumentation**  
**21.09.2023**

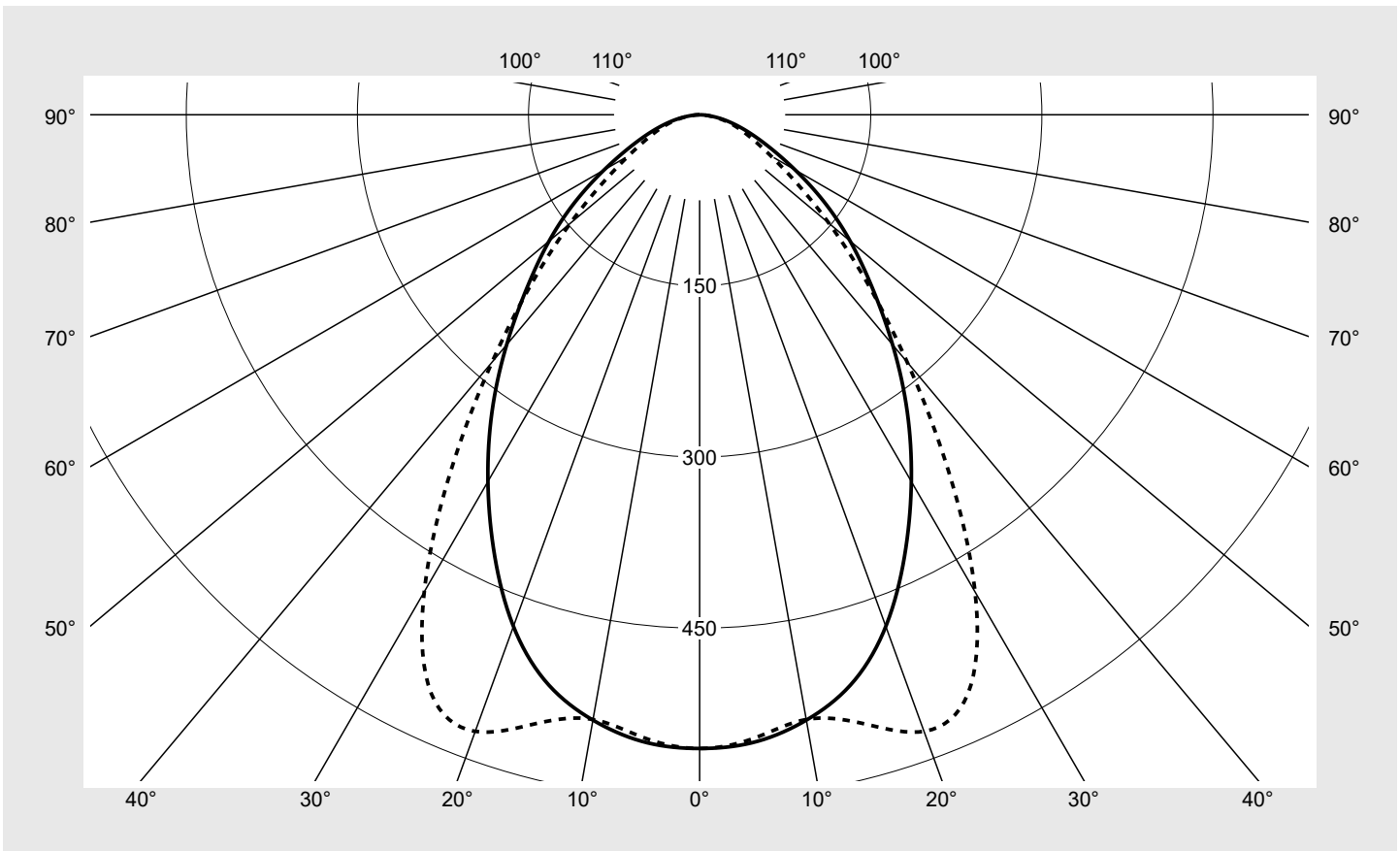
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 575 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 0  
CIE N1=66 N2=91 N3=98  
N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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|  |   |                                      |
|--|---|--------------------------------------|
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| <b>Wertetabelle Lichtstärkemessung</b> |   | <b>Maximale Lichtstärke</b>          |
|  |   | <b>siteco</b>                        |

| C-<br>Ebenen          | 0°<br>180° | 15°                  | 30°                  | 45°                  | 60°                  | 75°                  | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------------|-------------------|
|                       |            | 165°<br>195°<br>345° | 150°<br>210°<br>330° | 135°<br>225°<br>315° | 120°<br>240°<br>300° | 105°<br>255°<br>285° |             |                      |                   |
| Lichtstärke in cd/klm |            |                      |                      |                      |                      |                      |             | Lichtstrom in lm/klm |                   |
| γ                     |            |                      |                      |                      |                      |                      |             |                      |                   |
| 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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|--|---|-------------------------------|

| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 24,9                                | 26,4 | 25,3 | 26,7 | 27,1 | 24,4                                  | 25,9 | 24,8 | 26,2 | 26,5 |
|                 | 3H  | 25,7                                | 27,0 | 26,1 | 27,3 | 27,7 | 25,0                                  | 26,3 | 25,4 | 26,7 | 27,0 |
|                 | 4H  | 26,0                                | 27,2 | 26,4 | 27,5 | 27,9 | 25,3                                  | 26,5 | 25,7 | 26,8 | 27,2 |
|                 | 6H  | 26,2                                | 27,3 | 26,6 | 27,7 | 28,1 | 25,5                                  | 26,6 | 25,9 | 27,0 | 27,4 |
|                 | 8H  | 26,3                                | 27,3 | 26,7 | 27,7 | 28,1 | 25,6                                  | 26,6 | 26,0 | 27,0 | 27,4 |
|                 | 12H | 26,3                                | 27,3 | 26,8 | 27,7 | 28,1 | 25,6                                  | 26,6 | 26,1 | 27,0 | 27,4 |
| 4H              | 2H  | 25,3                                | 26,5 | 25,7 | 26,9 | 27,2 | 24,8                                  | 26,1 | 25,2 | 26,4 | 26,8 |
|                 | 3H  | 26,1                                | 27,1 | 26,5 | 27,5 | 27,9 | 25,6                                  | 26,6 | 26,0 | 27,0 | 27,4 |
|                 | 4H  | 26,4                                | 27,4 | 26,9 | 27,8 | 28,2 | 26,0                                  | 26,9 | 26,4 | 27,3 | 27,7 |
|                 | 6H  | 26,7                                | 27,5 | 27,2 | 28,0 | 28,4 | 26,2                                  | 27,0 | 26,7 | 27,5 | 27,9 |
|                 | 8H  | 26,8                                | 27,5 | 27,3 | 28,0 | 28,5 | 26,3                                  | 27,1 | 26,8 | 27,5 | 28,0 |
|                 | 12H | 26,9                                | 27,5 | 27,4 | 28,0 | 28,5 | 26,4                                  | 27,0 | 26,9 | 27,5 | 28,0 |
| 8H              | 4H  | 26,5                                | 27,3 | 27,0 | 27,7 | 28,2 | 26,1                                  | 26,8 | 26,6 | 27,3 | 27,7 |
|                 | 6H  | 26,9                                | 27,5 | 27,4 | 27,9 | 28,4 | 26,4                                  | 27,0 | 26,9 | 27,5 | 28,0 |
|                 | 8H  | 27,0                                | 27,5 | 27,5 | 28,0 | 28,5 | 26,6                                  | 27,1 | 27,1 | 27,6 | 28,1 |
|                 | 12H | 27,1                                | 27,5 | 27,6 | 28,0 | 28,5 | 26,7                                  | 27,1 | 27,2 | 27,6 | 28,1 |
| 12H             | 4H  | 26,6                                | 27,2 | 27,0 | 27,6 | 28,1 | 26,1                                  | 26,7 | 26,6 | 27,2 | 27,7 |
|                 | 6H  | 26,9                                | 27,4 | 27,4 | 27,9 | 28,4 | 26,5                                  | 27,0 | 27,0 | 27,4 | 28,0 |
|                 | 8H  | 27,0                                | 27,4 | 27,5 | 27,9 | 28,5 | 26,6                                  | 27,0 | 27,1 | 27,5 | 28,1 |

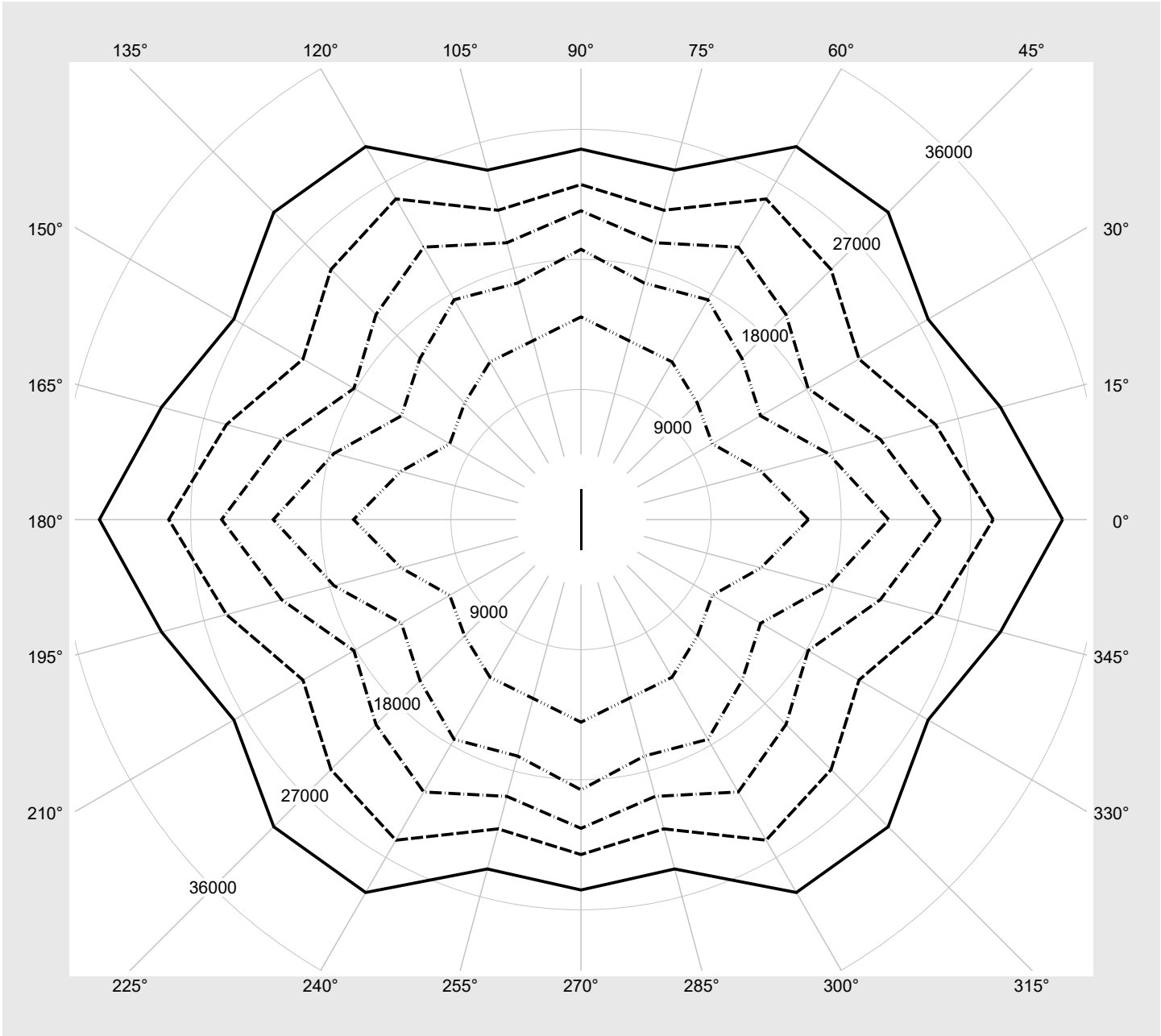
|  |  |
|--|--|
| <b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$ | <b>Lichttechnische Abmessungen in mm:</b> L = 2250<br>B = 58 |
|--|--|

| C-Ebenen | $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |                             |                             |                             |                             |                             |             |
|----------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
|          |          | 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° |
| 45°      | 45°      | 62876.6                           | 60017.6                     | 67688.6                     | 67807.2                     | 59672.5                     | 58895.8                     | 60913.3     |
| 50°      | 50°      | 55757.3                           | 51864.3                     | 57359.4                     | 57169.4                     | 48422.4                     | 46381.1                     | 47900.4     |
| 55°      | 55°      | 48360.0                           | 44090.8                     | 45832.9                     | 46817.3                     | 40542.3                     | 36645.3                     | 37360.6     |
| 60°      | 60°      | 40224.9                           | 36564.9                     | 35463.1                     | 37522.8                     | 34590.6                     | 29546.3                     | 29984.0     |
| 65°      | 65°      | 33318.9                           | 30042.8                     | 27728.6                     | 30060.5                     | 29795.2                     | 25027.9                     | 25629.0     |
| 70°      | 70°      | 28519.5                           | 25392.3                     | 22209.1                     | 24466.5                     | 25614.9                     | 22155.6                     | 23179.3     |
| 75°      | 75°      | 24865.6                           | 21437.3                     | 18142.4                     | 20057.9                     | 21764.4                     | 19828.0                     | 21363.3     |
| 80°      | 80°      | 21290.0                           | 17687.4                     | 14348.3                     | 15753.7                     | 17559.2                     | 16939.8                     | 18697.4     |
| 85°      | 85°      | 15737.9                           | 12892.5                     | 10486.4                     | 11388.7                     | 12596.5                     | 12813.7                     | 14021.6     |

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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|                           |                           |               |
|---------------------------|---------------------------|---------------|
| <b>Dimmstufen-Tabelle</b> | Umgebungstemperatur: 25°C | <b>sITeco</b> |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100            | 254              | 254                     | 27150           | 150.5              |
| 95             | 240              | 252                     | 25769           | 141.7              |
| 90             | 226              | 250                     | 24426           | 133.0              |
| 85             | 212              | 247                     | 23047           | 124.4              |
| 80             | 199              | 245                     | 21745           | 116.4              |
| 75             | 185              | 242                     | 20326           | 107.9              |
| 70             | 172              | 240                     | 18995           | 100.2              |
| 65             | 159              | 237                     | 17647           | 92.6               |
| 60             | 146              | 234                     | 16285           | 85.0               |
| 55             | 133              | 230                     | 14913           | 77.5               |
| 50             | 120              | 227                     | 13526           | 70.1               |
| 45             | 108              | 223                     | 12234           | 63.2               |
| 40             | 95               | 218                     | 10818           | 55.8               |
| 35             | 83               | 213                     | 9495            | 49.0               |
| 30             | 71               | 207                     | 8156            | 42.2               |
| 25             | 59               | 201                     | 6804            | 35.3               |
| 20             | 47               | 192                     | 5442            | 28.6               |
| 15             | 35               | 181                     | 4064            | 21.7               |
| 10             | 23               | 166                     | 2674            | 14.6               |
| 5              | 12               | 142                     | 1390            | 7.9                |
| 2              | 4                | 102                     | 446             | 2.8                |