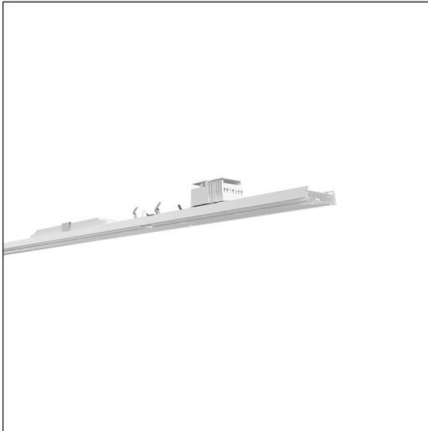


## Lichttechnischer Prüfbefund

**Familie**  
**Licross® Recessed**

**Bestell-Nr.: 51TL12DN5DXL**  
**EAN: 4058352442197**

**LP-Nummer**  
**58689\_12**



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

**Bestückung** LED 5000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 13030 lm  
Systemleistung = 76.0 W  
Lichtausbeute = 171.4 lm/W

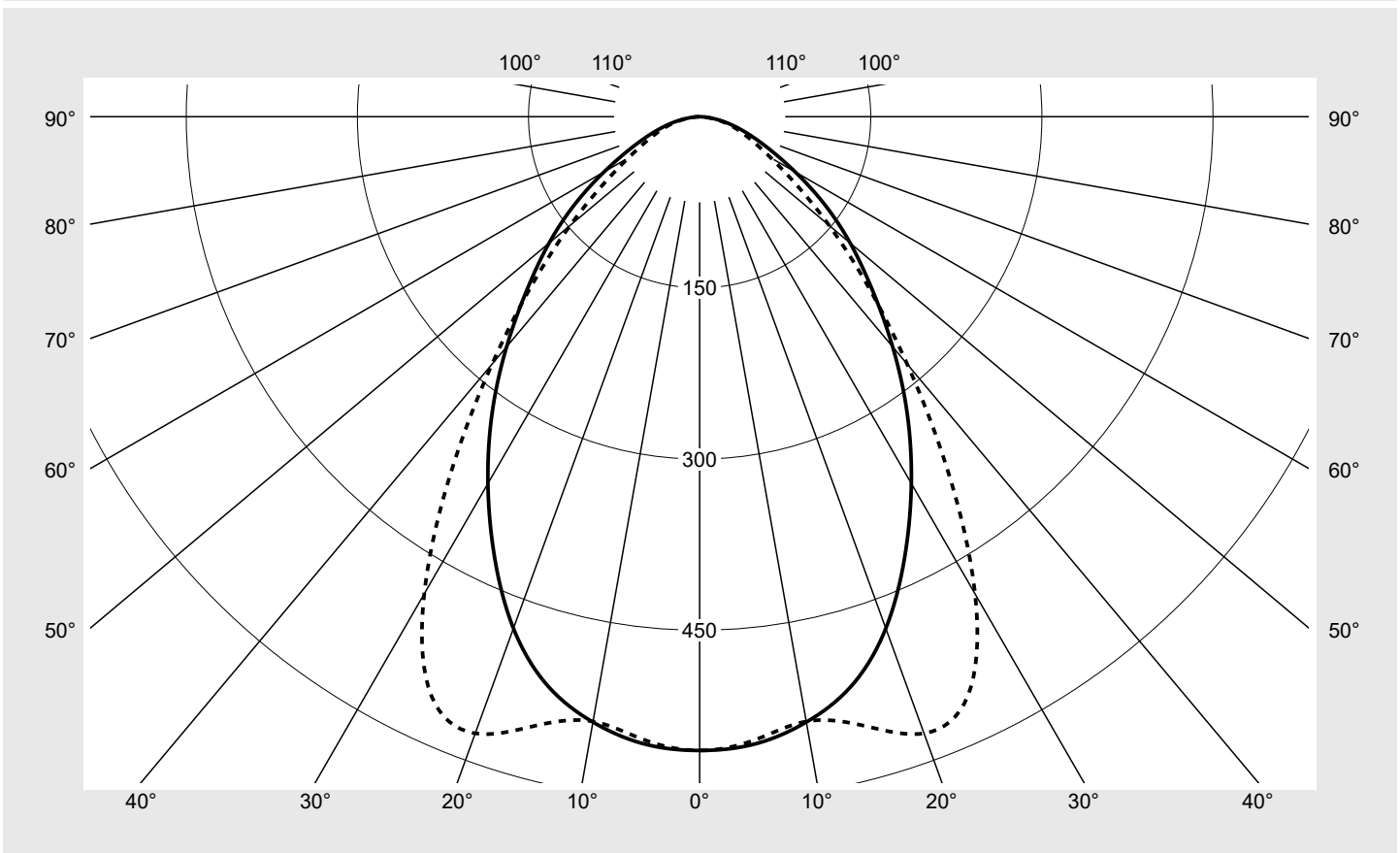
**Seriendokumentation**  
**23.07.2019**

**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

## Lichttechnischer Prüfbefund

|  |   |                                     |
|--|---|-------------------------------------|
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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° |             |                      |                   |
| 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            |

## Lichttechnischer Prüfbefund

|  |   |                                     |
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|--|---|-------------------------------------|

| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
|                 |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| Raumabmessungen |     |                                     |      |      |      |      |                                       |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 23,8                                | 25,3 | 24,2 | 25,6 | 25,9 | 23,3                                  | 24,8 | 23,6 | 25,1 | 25,4 |
|                 | 3H  | 24,5                                | 25,9 | 24,9 | 26,2 | 26,5 | 23,9                                  | 25,2 | 24,2 | 25,5 | 25,9 |
|                 | 4H  | 24,8                                | 26,1 | 25,2 | 26,4 | 26,8 | 24,1                                  | 25,3 | 24,5 | 25,7 | 26,1 |
|                 | 6H  | 25,0                                | 26,2 | 25,5 | 26,5 | 26,9 | 24,3                                  | 25,5 | 24,7 | 25,8 | 26,2 |
|                 | 8H  | 25,2                                | 26,2 | 25,6 | 26,6 | 27,0 | 24,5                                  | 25,5 | 24,9 | 25,9 | 26,3 |
|                 | 12H | 25,2                                | 26,2 | 25,6 | 26,6 | 27,0 | 24,5                                  | 25,4 | 24,9 | 25,8 | 26,3 |
| 4H              | 2H  | 24,1                                | 25,4 | 24,5 | 25,7 | 26,1 | 23,7                                  | 24,9 | 24,1 | 25,3 | 25,7 |
|                 | 3H  | 24,9                                | 26,0 | 25,4 | 26,4 | 26,8 | 24,5                                  | 25,5 | 24,9 | 25,9 | 26,3 |
|                 | 4H  | 25,3                                | 26,2 | 25,7 | 26,6 | 27,1 | 24,8                                  | 25,7 | 25,3 | 26,2 | 26,6 |
|                 | 6H  | 25,6                                | 26,4 | 26,0 | 26,8 | 27,3 | 25,1                                  | 25,9 | 25,6 | 26,3 | 26,8 |
|                 | 8H  | 25,7                                | 26,4 | 26,2 | 26,9 | 27,3 | 25,2                                  | 25,9 | 25,7 | 26,4 | 26,8 |
|                 | 12H | 25,8                                | 26,4 | 26,3 | 26,8 | 27,3 | 25,3                                  | 25,9 | 25,8 | 26,4 | 26,8 |
| 8H              | 4H  | 25,4                                | 26,1 | 25,9 | 26,6 | 27,0 | 24,9                                  | 25,7 | 25,4 | 26,1 | 26,6 |
|                 | 6H  | 25,7                                | 26,3 | 26,2 | 26,8 | 27,3 | 25,3                                  | 25,9 | 25,8 | 26,4 | 26,9 |
|                 | 8H  | 25,8                                | 26,4 | 26,3 | 26,8 | 27,4 | 25,4                                  | 25,9 | 25,9 | 26,4 | 27,0 |
|                 | 12H | 25,9                                | 26,4 | 26,5 | 26,9 | 27,4 | 25,5                                  | 26,0 | 26,0 | 26,5 | 27,0 |
| 12H             | 4H  | 25,4                                | 26,0 | 25,9 | 26,5 | 27,0 | 25,0                                  | 25,6 | 25,4 | 26,0 | 26,5 |
|                 | 6H  | 25,7                                | 26,2 | 26,3 | 26,7 | 27,3 | 25,3                                  | 25,8 | 25,8 | 26,3 | 26,8 |
|                 | 8H  | 25,9                                | 26,3 | 26,4 | 26,8 | 27,3 | 25,5                                  | 25,9 | 26,0 | 26,4 | 26,9 |

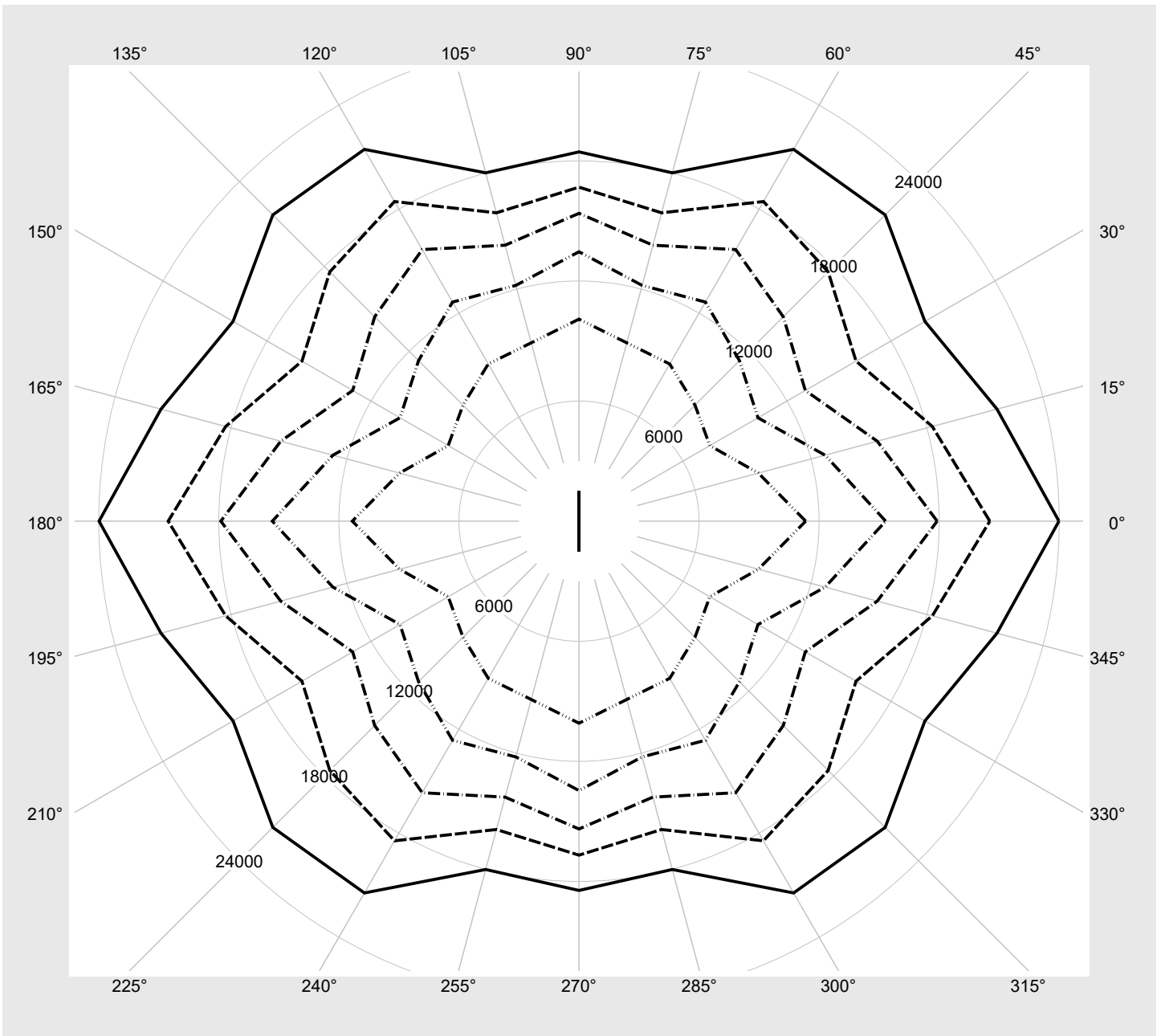
|  |  |
|--|--|
| <b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$ | <b>Lichttechnische Abmessungen in mm:</b> L = 1500<br>B = 58 |
|--|--|

| 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°      | 45264.2  | 43206.1                           | 48728.3                     | 48813.7                     | 42957.6                     | 42398.5                     | 43850.8                     |             |  |
| 50°      | 40139.1  | 37336.5                           | 41292.4                     | 41155.7                     | 34858.8                     | 33389.3                     | 34483.0                     |             |  |
| 55°      | 34813.8  | 31740.5                           | 32994.6                     | 33703.3                     | 29186.0                     | 26380.6                     | 26895.5                     |             |  |
| 60°      | 28957.5  | 26322.7                           | 25529.5                     | 27012.2                     | 24901.4                     | 21270.1                     | 21585.2                     |             |  |
| 65°      | 23985.9  | 21627.5                           | 19961.5                     | 21640.2                     | 21449.2                     | 18017.4                     | 18450.1                     |             |  |
| 70°      | 20530.9  | 18279.6                           | 15988.1                     | 17613.2                     | 18439.9                     | 15949.6                     | 16686.6                     |             |  |
| 75°      | 17900.5  | 15432.5                           | 13060.5                     | 14439.5                     | 15668.0                     | 14274.0                     | 15379.2                     |             |  |
| 80°      | 15326.5  | 12733.0                           | 10329.2                     | 11340.9                     | 12640.7                     | 12194.8                     | 13460.0                     |             |  |
| 85°      | 11329.5  | 9281.2                            | 7549.0                      | 8198.6                      | 9068.1                      | 9224.5                      | 10094.0                     |             |  |

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|--|---|-------------------------------------|
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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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LP-Nummer  
58689\_12

## Dimmstufen-Tabelle

Umgebungstemperatur: 25°C



| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100            | 254              | 254                     | 13030           | 76.0               |
| 95             | 240              | 252                     | 12382           | 71.9               |
| 90             | 227              | 250                     | 11731           | 67.7               |
| 85             | 213              | 248                     | 11079           | 63.7               |
| 80             | 200              | 245                     | 10427           | 59.8               |
| 75             | 187              | 243                     | 9776            | 55.8               |
| 70             | 173              | 240                     | 9124            | 52.1               |
| 65             | 160              | 237                     | 8472            | 48.2               |
| 60             | 148              | 234                     | 7820            | 44.4               |
| 55             | 135              | 231                     | 7169            | 40.7               |
| 50             | 122              | 227                     | 6517            | 37.1               |
| 45             | 110              | 224                     | 5865            | 33.5               |
| 40             | 97               | 219                     | 5214            | 30.0               |
| 35             | 85               | 214                     | 4562            | 26.4               |
| 30             | 73               | 208                     | 3910            | 23.0               |
| 25             | 61               | 202                     | 3259            | 19.5               |
| 20             | 49               | 193                     | 2607            | 16.1               |
| 15             | 37               | 183                     | 1955            | 12.7               |
| 10             | 25               | 169                     | 1303            | 9.4                |
| 5              | 13               | 143                     | 651             | 6.0                |