

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TL19MN495G**  
**EAN: 4058352940839**

**LP-Nummer**  
**58532\_420**



**Ausführung** Abdeckung satiniert, doppelt asymmetrisch strahlend

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen

**Bemessungswerte** Nettolichtstrom = 9850 lm  
Systemleistung = 55.2 W  
Lichtausbeute = 178.5 lm/W

**Seriendokumentation**  
11.10.2023

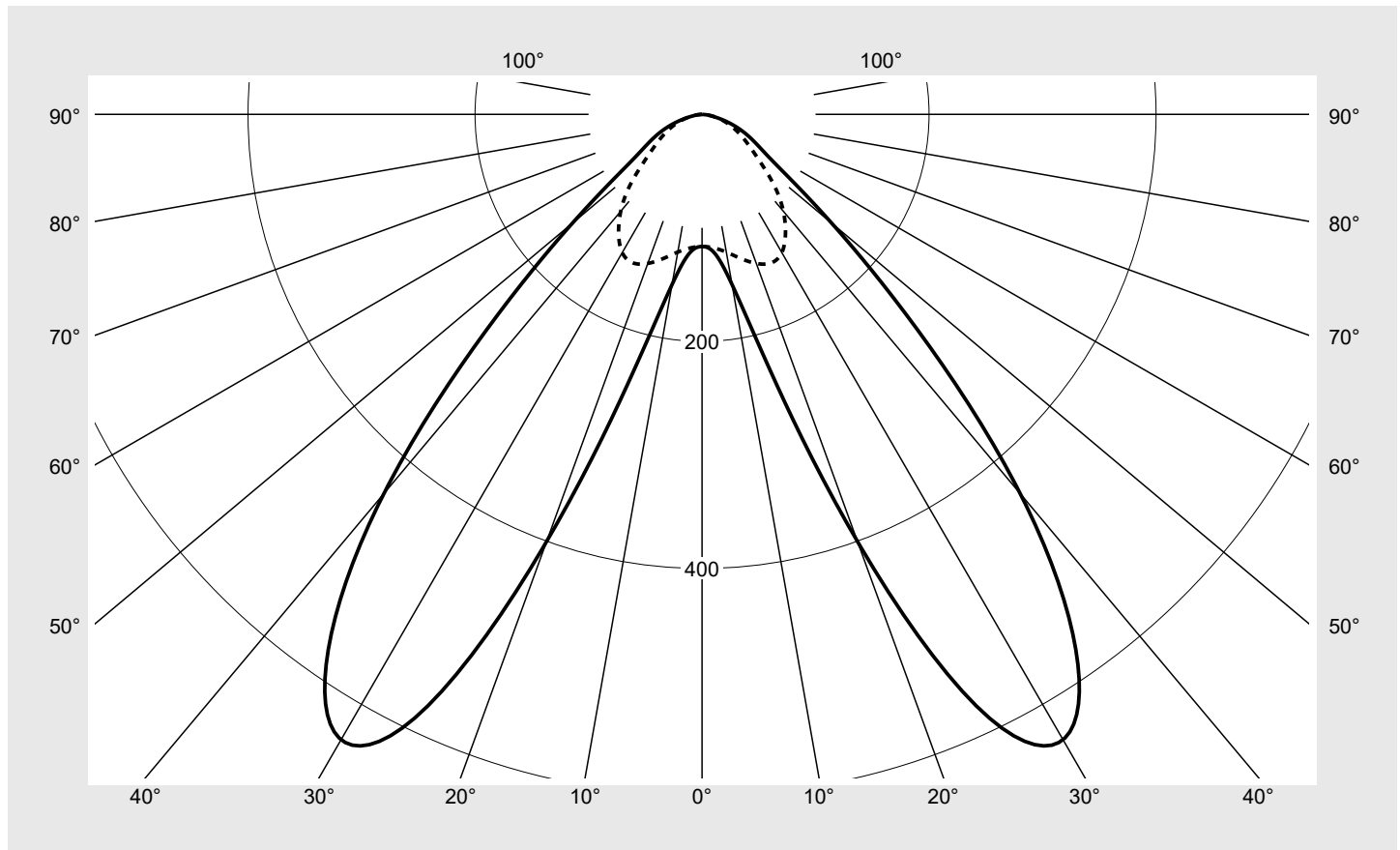
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 703 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 0  
CIE N1=55 N2=89 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° |             |                      |                   |
| γ            |            | Lichtstärke in cd/klm |                      |                      |                      |                      |             | Lichtstrom in lm/klm |                   |
| 0°           | 116.4      | 116.4                 | 116.4                | 116.4                | 116.4                | 116.4                | 116.4       | 0.7                  | 0.7               |
| 5°           | 122.3      | 121.8                 | 120.5                | 120.1                | 119.3                | 118.4                | 118.1       | 5.7                  | 6.4               |
| 10°          | 152.3      | 149.6                 | 141.1                | 133.1                | 127.4                | 124.1                | 123.2       | 12.9                 | 19.3              |
| 15°          | 235.7      | 226.2                 | 196.7                | 164.2                | 142.2                | 133.3                | 131.4       | 24.7                 | 44.1              |
| 20°          | 400.4      | 377.8                 | 306.4                | 227.1                | 167.8                | 143.8                | 139.7       | 46.6                 | 90.7              |
| 25°          | 577.7      | 557.7                 | 476.8                | 343.4                | 212.9                | 153.0                | 144.3       | 81.3                 | 172.0             |
| 30°          | 636.1      | 636.8                 | 610.4                | 517.3                | 280.0                | 157.9                | 140.6       | 118.3                | 290.3             |
| 35°          | 573.7      | 597.7                 | 662.3                | 665.7                | 347.9                | 155.6                | 128.2       | 145.7                | 436.0             |
| 40°          | 436.2      | 470.5                 | 613.4                | 703.5                | 376.1                | 144.6                | 111.4       | 151.6                | 587.6             |
| 45°          | 268.7      | 299.8                 | 459.0                | 605.2                | 334.0                | 122.5                | 91.2        | 129.2                | 716.8             |
| 50°          | 149.1      | 168.3                 | 276.5                | 419.8                | 259.3                | 97.4                 | 69.0        | 93.1                 | 809.9             |
| 55°          | 85.3       | 95.5                  | 151.2                | 245.9                | 199.7                | 79.3                 | 53.1        | 62.9                 | 872.9             |
| 60°          | 59.3       | 63.7                  | 88.0                 | 138.5                | 152.7                | 65.0                 | 42.1        | 44.2                 | 917.1             |
| 65°          | 44.9       | 47.0                  | 60.8                 | 84.9                 | 110.7                | 51.4                 | 33.0        | 32.6                 | 949.7             |
| 70°          | 31.7       | 33.1                  | 42.5                 | 56.3                 | 76.3                 | 38.4                 | 24.7        | 23.6                 | 973.3             |
| 75°          | 19.0       | 20.1                  | 26.0                 | 34.9                 | 49.6                 | 26.3                 | 17.0        | 15.4                 | 988.7             |
| 80°          | 8.8        | 9.4                   | 12.7                 | 18.2                 | 27.0                 | 15.2                 | 9.8         | 8.3                  | 997.0             |
| 85°          | 3.4        | 3.6                   | 4.7                  | 6.8                  | 9.5                  | 5.9                  | 3.7         | 3.1                  | 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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|  |   |                               |
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|--|---|-------------------------------|

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

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

| C-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/m <sup>2</sup> |                             |                             |                             |                             |                             |             |
| 45°      | 43017.3                           | 47995.9                     | 73495.0                     | 96896.3                     | 53473.3                     | 19616.0                     | 14600.2     |
| 50°      | 26255.8                           | 29650.5                     | 48706.3                     | 73936.5                     | 45675.7                     | 17158.5                     | 12149.4     |
| 55°      | 16845.1                           | 18849.6                     | 29849.2                     | 48543.6                     | 39417.6                     | 15644.2                     | 10474.1     |
| 60°      | 13426.3                           | 14434.9                     | 19928.5                     | 31354.0                     | 34571.2                     | 14729.0                     | 9534.1      |
| 65°      | 12027.0                           | 12604.0                     | 16288.7                     | 22747.4                     | 29661.9                     | 13762.4                     | 8829.1      |
| 70°      | 10506.8                           | 10954.1                     | 14080.6                     | 18620.7                     | 25268.7                     | 12719.8                     | 8170.8      |
| 75°      | 8314.0                            | 8801.8                      | 11384.4                     | 15274.2                     | 21706.8                     | 11513.0                     | 7432.6      |
| 80°      | 5729.1                            | 6096.8                      | 8276.5                      | 11881.4                     | 17598.7                     | 9922.1                      | 6412.4      |
| 85°      | 4477.8                            | 4671.3                      | 6050.9                      | 8771.1                      | 12401.9                     | 7609.7                      | 4863.6      |

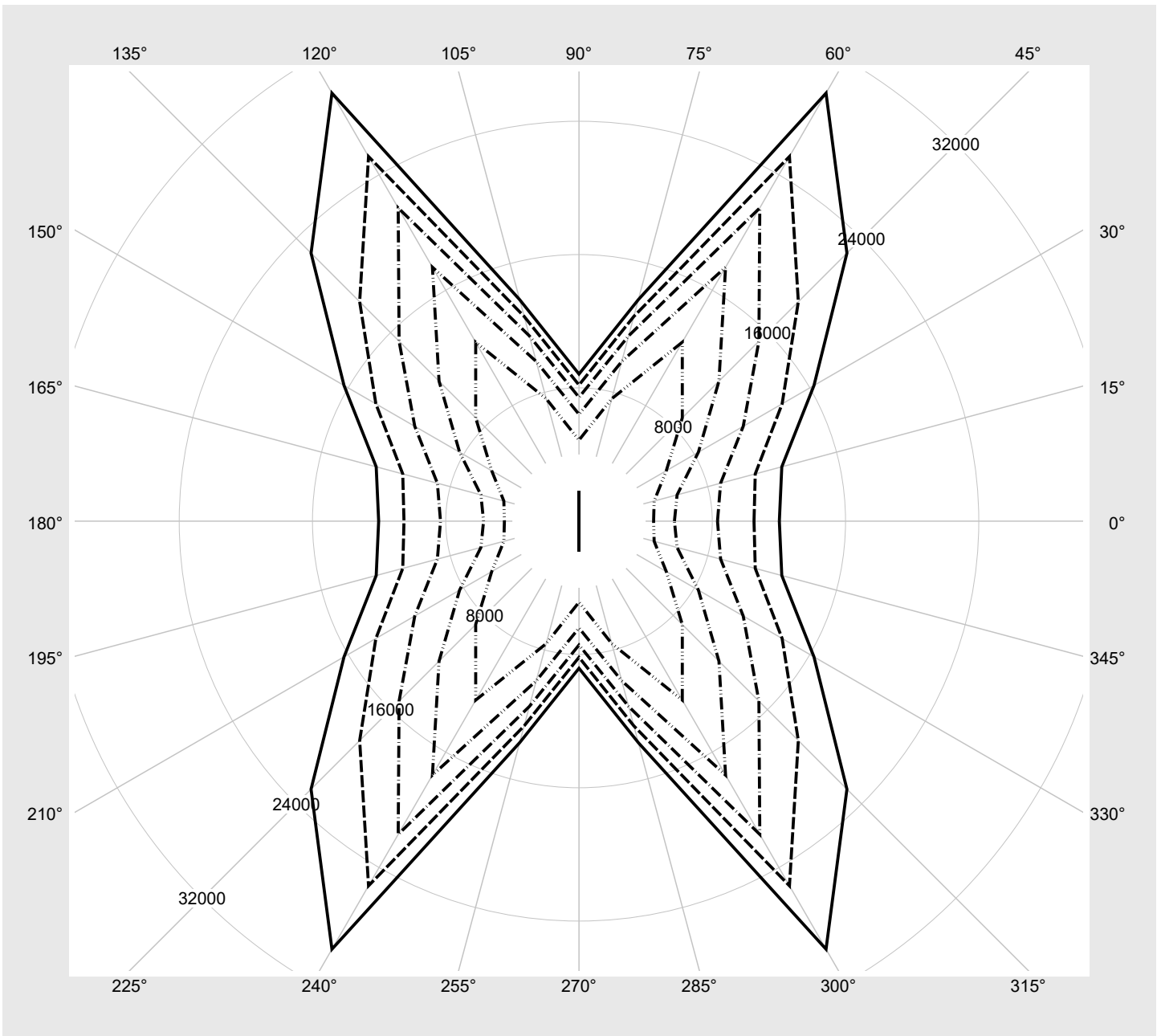
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**Leuchtdichten in cd/m<sup>2</sup>**

|              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|
| $\gamma$ 65° | $\gamma$ 70° | $\gamma$ 75° | $\gamma$ 80° | $\gamma$ 85° |
|--------------|--------------|--------------|--------------|--------------|

**siteco**



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Familie

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LP-Nummer

58532\_420

## Multilumen-Tabelle

Umgebungstemperatur: 25°C

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| DIP-Stufe | Schalterstellung |   |   | Lichtstrom<br>[lm] | Systemleistung<br>[W] |
|-----------|------------------|---|---|--------------------|-----------------------|
|           | 1                | 2 | 3 |                    |                       |
| 1         | A                | C | E | 9850               | 55.2                  |
| 2         | A                | C | F | 9424               | 52.5                  |
| 3         | A                | D | E | 8913               | 49.3                  |
| 4         | A                | D | F | 8402               | 46.2                  |
| 5         | B                | C | E | 7667               | 41.7                  |
| 6         | B                | C | F | 7443               | 40.4                  |
| 7         | B                | D | E | 6911               | 37.4                  |
| 8         | B                | D | F | 6464               | 34.8                  |