

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 11 Recessed

**Bestell-Nr.:** 51TL11MN4AXG  
**EAN:** 4058352929520

**LP-Nummer**  
58785\_345



**Ausführung** Abdeckung satiniert, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 10130 lm  
Systemleistung = 55.2 W  
Lichtausbeute = 183.5 lm/W

**Seriendokumentation**  
11.10.2023

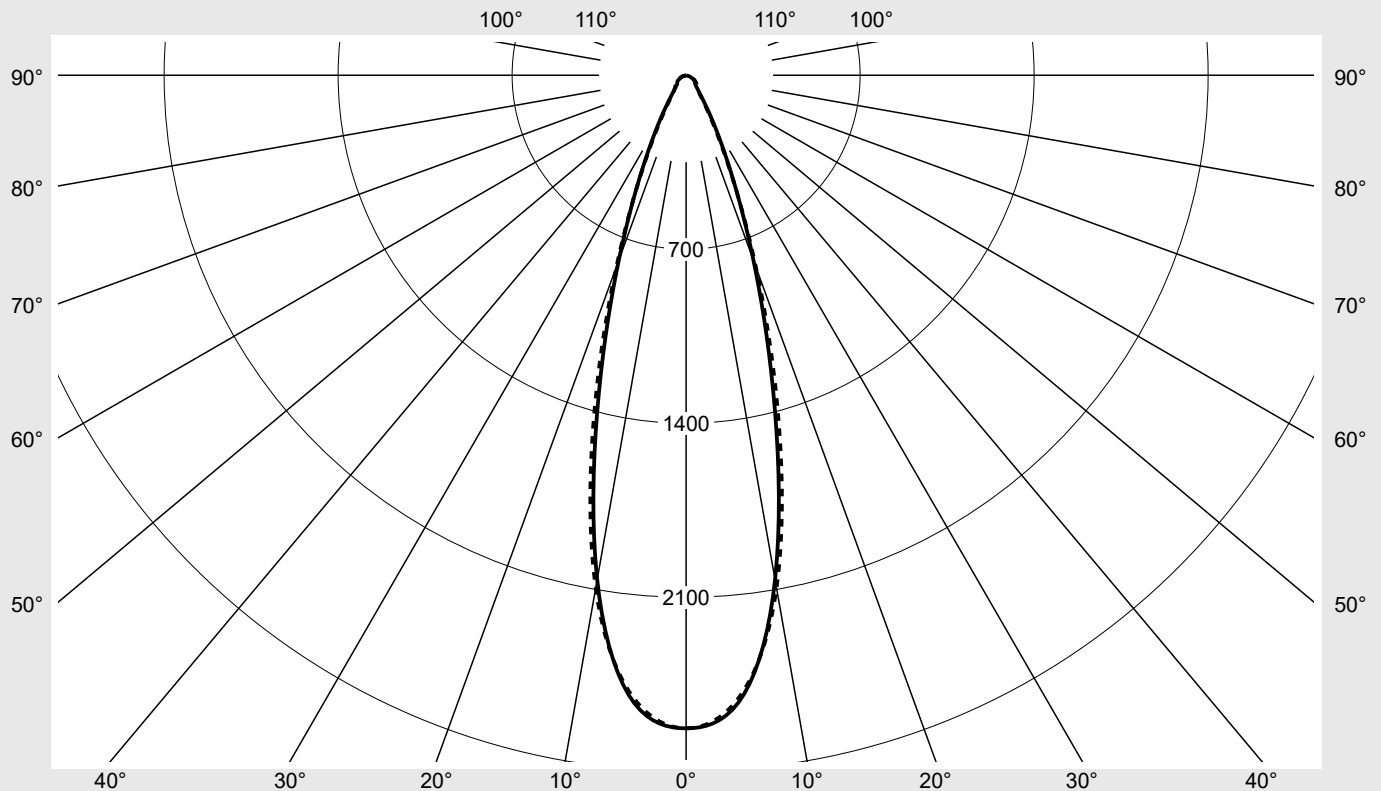
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 2627 cd/klm



#### Klassifizierungen

DIN 5040 A 7 0  
CIE N1=89 N2=96 N3=99  
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°                    | 2627.4     | 2627.4               | 2627.4               | 2627.4               | 2627.4               | 2627.4               | 2627.4      | 15.7     | 15.7              |
| 5°                    | 2520.2     | 2503.8               | 2487.8               | 2499.1               | 2508.6               | 2505.8               | 2505.2      | 119.6    | 135.3             |
| 10°                   | 2060.7     | 2047.7               | 2044.6               | 2066.8               | 2086.2               | 2092.0               | 2094.5      | 196.9    | 332.2             |
| 15°                   | 1373.4     | 1369.0               | 1375.7               | 1399.2               | 1421.9               | 1432.7               | 1437.2      | 198.7    | 530.9             |
| 20°                   | 791.8      | 790.8                | 796.4                | 808.8                | 818.0                | 819.0                | 819.4       | 151.2    | 682.1             |
| 25°                   | 418.1      | 420.5                | 425.4                | 427.2                | 423.4                | 413.4                | 409.3       | 97.4     | 779.6             |
| 30°                   | 215.7      | 218.7                | 224.8                | 222.9                | 213.7                | 202.3                | 197.8       | 58.9     | 838.4             |
| 35°                   | 112.4      | 114.3                | 119.3                | 116.0                | 107.4                | 103.1                | 102.4       | 35.0     | 873.4             |
| 40°                   | 70.3       | 69.7                 | 69.6                 | 67.8                 | 65.2                 | 68.3                 | 71.3        | 24.2     | 897.6             |
| 45°                   | 52.4       | 50.5                 | 46.9                 | 47.4                 | 48.4                 | 54.1                 | 61.4        | 19.6     | 917.2             |
| 50°                   | 46.4       | 44.6                 | 38.1                 | 38.0                 | 38.3                 | 44.7                 | 54.3        | 17.8     | 935.0             |
| 55°                   | 42.3       | 42.2                 | 36.7                 | 33.4                 | 32.3                 | 38.6                 | 47.1        | 17.1     | 952.1             |
| 60°                   | 32.7       | 32.9                 | 34.3                 | 30.2                 | 28.0                 | 32.6                 | 38.2        | 15.3     | 967.4             |
| 65°                   | 23.6       | 23.8                 | 26.4                 | 25.7                 | 24.0                 | 26.1                 | 29.3        | 12.6     | 980.0             |
| 70°                   | 15.1       | 15.6                 | 18.2                 | 19.4                 | 18.6                 | 19.5                 | 20.9        | 9.4      | 989.4             |
| 75°                   | 8.3        | 8.7                  | 10.8                 | 13.0                 | 12.9                 | 13.2                 | 13.7        | 6.1      | 995.5             |
| 80°                   | 4.0        | 4.1                  | 5.0                  | 6.6                  | 7.3                  | 7.2                  | 7.2         | 3.2      | 998.7             |
| 85°                   | 1.6        | 1.6                  | 1.9                  | 2.5                  | 2.6                  | 2.7                  | 2.5         | 1.2      | 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         |                                     |      |      |      |      |                                       |      |      |      |      |
| 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  |      |
| <b>2H</b>            | <b>2H</b> | 15,4                                | 16,5 | 15,8 | 16,8 | 17,1 | 15,3                                  | 16,4 | 15,7 | 16,8 | 17,1 |
|                      | 3H        | 16,3                                | 17,3 | 16,7 | 17,6 | 18,0 | 16,7                                  | 17,7 | 17,1 | 18,0 | 18,4 |
|                      | 4H        | 16,6                                | 17,4 | 16,9 | 17,8 | 18,2 | 17,3                                  | 18,1 | 17,7 | 18,5 | 18,9 |
|                      | 6H        | 16,7                                | 17,4 | 17,1 | 17,8 | 18,2 | 17,6                                  | 18,4 | 18,0 | 18,8 | 19,2 |
|                      | 8H        | 16,8                                | 17,4 | 17,2 | 17,8 | 18,2 | 17,8                                  | 18,4 | 18,2 | 18,8 | 19,2 |
|                      | 12H       | 16,8                                | 17,3 | 17,2 | 17,7 | 18,2 | 17,8                                  | 18,4 | 18,2 | 18,8 | 19,2 |
| <b>4H</b>            | <b>2H</b> | 15,9                                | 16,8 | 16,3 | 17,2 | 17,5 | 15,8                                  | 16,7 | 16,2 | 17,1 | 17,5 |
|                      | 3H        | 17,0                                | 17,8 | 17,5 | 18,2 | 18,6 | 17,4                                  | 18,1 | 17,8 | 18,5 | 18,9 |
|                      | 4H        | 17,3                                | 18,0 | 17,8 | 18,4 | 18,8 | 18,0                                  | 18,6 | 18,4 | 19,1 | 19,5 |
|                      | 6H        | 17,5                                | 18,0 | 17,9 | 18,4 | 18,9 | 18,4                                  | 19,0 | 18,9 | 19,4 | 19,9 |
|                      | 8H        | 17,5                                | 18,0 | 18,0 | 18,4 | 18,9 | 18,5                                  | 19,0 | 19,0 | 19,5 | 20,0 |
|                      | 12H       | 17,5                                | 17,9 | 18,0 | 18,4 | 18,9 | 18,6                                  | 19,0 | 19,1 | 19,5 | 20,0 |
| <b>8H</b>            | <b>4H</b> | 17,6                                | 18,1 | 18,1 | 18,5 | 19,0 | 18,2                                  | 18,7 | 18,7 | 19,1 | 19,6 |
|                      | 6H        | 17,7                                | 18,1 | 18,2 | 18,6 | 19,1 | 18,7                                  | 19,1 | 19,2 | 19,6 | 20,1 |
|                      | 8H        | 17,8                                | 18,1 | 18,3 | 18,6 | 19,1 | 18,8                                  | 19,2 | 19,3 | 19,7 | 20,2 |
|                      | 12H       | 17,8                                | 18,1 | 18,3 | 18,6 | 19,1 | 18,9                                  | 19,2 | 19,5 | 19,7 | 20,3 |
| <b>12H</b>           | <b>4H</b> | 17,6                                | 18,0 | 18,1 | 18,5 | 19,0 | 18,2                                  | 18,6 | 18,7 | 19,0 | 19,5 |
|                      | 6H        | 17,8                                | 18,1 | 18,3 | 18,6 | 19,1 | 18,7                                  | 19,0 | 19,2 | 19,5 | 20,0 |
|                      | 8H        | 17,8                                | 18,1 | 18,4 | 18,6 | 19,2 | 18,9                                  | 19,1 | 19,4 | 19,6 | 20,2 |

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

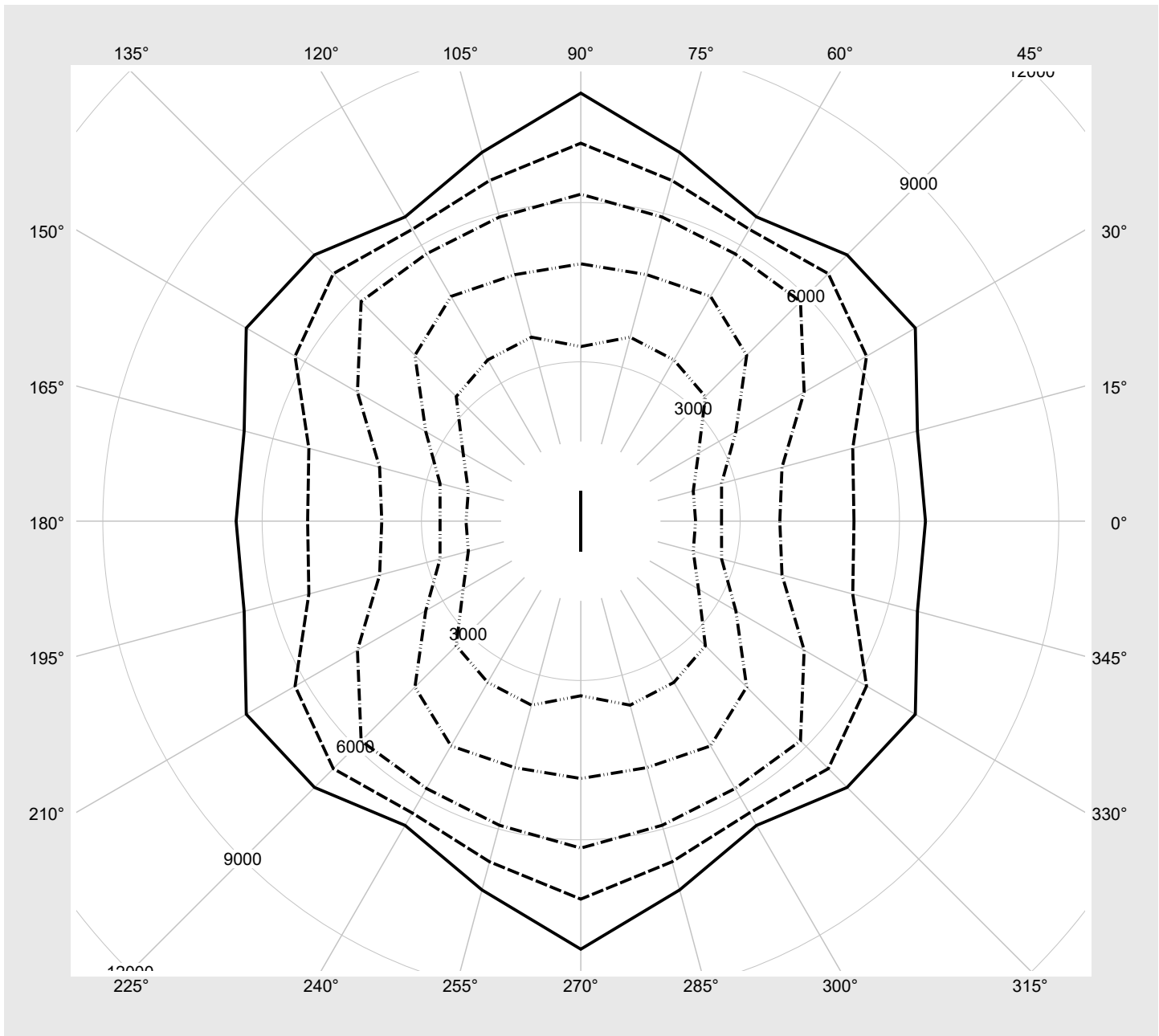
Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

| C-<br>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°          | 8634.8   | 8310.7                            | 7720.7                      | 7798.8                      | 7963.9                      | 8915.9                      | 10109.7                     |             |  |
| 50°          | 8410.5   | 8081.7                            | 6894.0                      | 6890.0                      | 6934.2                      | 8103.3                      | 9830.1                      |             |  |
| 55°          | 8593.9   | 8569.7                            | 7449.5                      | 6774.0                      | 6564.7                      | 7837.7                      | 9552.4                      |             |  |
| 60°          | 7611.2   | 7657.8                            | 7986.2                      | 7036.3                      | 6514.9                      | 7580.3                      | 8894.4                      |             |  |
| 65°          | 6490.0   | 6562.4                            | 7273.3                      | 7090.9                      | 6615.9                      | 7189.2                      | 8059.9                      |             |  |
| 70°          | 5143.7   | 5301.3                            | 6212.7                      | 6590.9                      | 6345.8                      | 6639.9                      | 7117.2                      |             |  |
| 75°          | 3747.5   | 3922.0                            | 4856.0                      | 5849.8                      | 5812.4                      | 5928.0                      | 6156.6                      |             |  |
| 80°          | 2649.9   | 2744.5                            | 3370.8                      | 4416.8                      | 4886.8                      | 4805.0                      | 4845.9                      |             |  |
| 85°          | 2161.6   | 2192.3                            | 2558.4                      | 3317.2                      | 3505.6                      | 3587.1                      | 3287.8                      |             |  |

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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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Familie

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LP-Nummer

58785\_345

## Multilumen-Tabelle

Umgebungstemperatur: 25°C

siteco

| DIP-Stufe | Schalterstellung |   |   | Lichtstrom<br>[lm] | Systemleistung<br>[W] |
|-----------|------------------|---|---|--------------------|-----------------------|
|           | 1                | 2 | 3 |                    |                       |
| 1         | A                | C | E | 10130              | 55.2                  |
| 2         | A                | C | F | 9693               | 52.5                  |
| 3         | A                | D | E | 9161               | 49.3                  |
| 4         | A                | D | F | 8639               | 46.2                  |
| 5         | B                | C | E | 7882               | 41.7                  |
| 6         | B                | C | F | 7648               | 40.4                  |
| 7         | B                | D | E | 7105               | 37.4                  |
| 8         | B                | D | F | 6647               | 34.8                  |