

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 11 Recessed

**Bestell-Nr.:** 51TE18CN49XG  
**EAN:** 4058352929285

**LP-Nummer**  
58691\_188



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen CLOi

**Bemessungswerte** Nettolichtstrom = 9040 lm  
Systemleistung = 49.3 W  
Lichtausbeute = 183.4 lm/W

**Seriendokumentation**  
12.10.2023

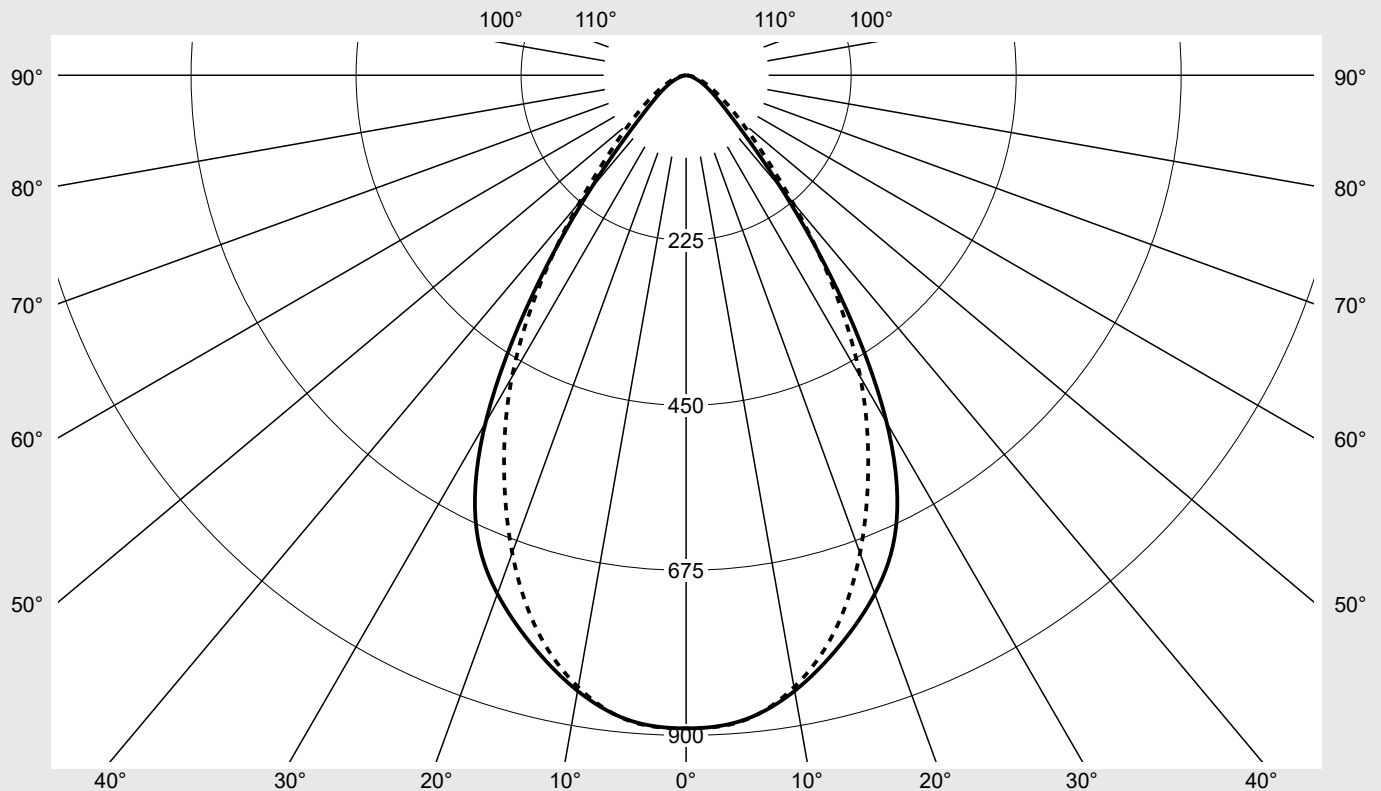
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



#### Klassifizierungen

DIN 5040 A 6 0  
CIE N1=83 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° |             |                      |                   |
| Lichtstärke in cd/klm |            |                      |                      |                      |                      |                      |             | Lichtstrom in lm/klm |                   |
| γ                     |            |                      |                      |                      |                      |                      |             |                      |                   |
| 0°                    | 890.5      | 890.5                | 890.5                | 890.5                | 890.5                | 890.5                | 890.5       | 5.3                  | 5.3               |
| 5°                    | 883.0      | 882.3                | 875.7                | 876.1                | 880.2                | 881.2                | 883.8       | 42.0                 | 47.4              |
| 10°                   | 852.3      | 852.7                | 846.0                | 846.4                | 847.1                | 846.1                | 847.2       | 80.7                 | 128.1             |
| 15°                   | 806.0      | 807.1                | 800.6                | 798.1                | 793.1                | 786.0                | 783.9       | 113.0                | 241.1             |
| 20°                   | 752.4      | 753.8                | 745.8                | 735.1                | 719.0                | 700.4                | 693.3       | 136.8                | 377.8             |
| 25°                   | 677.7      | 678.7                | 666.2                | 642.3                | 616.2                | 594.6                | 587.5       | 147.9                | 525.7             |
| 30°                   | 547.1      | 547.0                | 530.5                | 500.0                | 481.5                | 475.9                | 474.8       | 139.1                | 664.9             |
| 35°                   | 364.4      | 363.5                | 349.1                | 327.1                | 328.9                | 340.7                | 345.9       | 108.2                | 773.0             |
| 40°                   | 203.2      | 202.2                | 193.4                | 185.6                | 201.9                | 218.9                | 225.4       | 71.4                 | 844.5             |
| 45°                   | 108.8      | 108.0                | 102.7                | 103.7                | 123.9                | 139.5                | 144.1       | 45.5                 | 890.0             |
| 50°                   | 66.7       | 66.1                 | 62.8                 | 66.6                 | 83.9                 | 94.8                 | 97.2        | 31.9                 | 921.9             |
| 55°                   | 45.6       | 45.3                 | 45.3                 | 49.0                 | 60.9                 | 67.0                 | 67.8        | 24.3                 | 946.1             |
| 60°                   | 31.9       | 31.8                 | 34.1                 | 38.0                 | 45.2                 | 47.1                 | 47.1        | 18.6                 | 964.8             |
| 65°                   | 21.6       | 21.7                 | 24.8                 | 28.3                 | 33.6                 | 33.2                 | 32.9        | 14.0                 | 978.8             |
| 70°                   | 13.4       | 13.7                 | 16.2                 | 19.9                 | 24.5                 | 23.3                 | 22.8        | 9.9                  | 988.7             |
| 75°                   | 7.5        | 7.7                  | 9.1                  | 12.7                 | 16.1                 | 15.5                 | 14.8        | 6.4                  | 995.1             |
| 80°                   | 4.0        | 4.1                  | 4.6                  | 6.4                  | 8.9                  | 8.9                  | 8.1         | 3.5                  | 998.6             |
| 85°                   | 1.9        | 1.8                  | 2.0                  | 2.6                  | 3.4                  | 3.5                  | 3.0         | 1.4                  | 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  | 18,6                                | 19,9 | 19,0 | 20,2 | 20,5 | 19,5                                  | 20,8 | 19,9 | 21,1 | 21,5 |
|                 | 3H  | 18,8                                | 19,9 | 19,2 | 20,3 | 20,6 | 20,0                                  | 21,2 | 20,4 | 21,5 | 21,9 |
|                 | 4H  | 18,8                                | 19,9 | 19,2 | 20,2 | 20,6 | 20,2                                  | 21,3 | 20,6 | 21,6 | 22,0 |
|                 | 6H  | 18,8                                | 19,8 | 19,2 | 20,2 | 20,5 | 20,3                                  | 21,3 | 20,8 | 21,7 | 22,1 |
|                 | 8H  | 18,9                                | 19,7 | 19,3 | 20,1 | 20,5 | 20,5                                  | 21,3 | 20,9 | 21,7 | 22,1 |
|                 | 12H | 18,9                                | 19,7 | 19,3 | 20,0 | 20,5 | 20,5                                  | 21,2 | 20,9 | 21,6 | 22,0 |
| 4H              | 2H  | 18,8                                | 19,8 | 19,2 | 20,2 | 20,6 | 19,6                                  | 20,7 | 20,0 | 21,0 | 21,4 |
|                 | 3H  | 19,1                                | 19,9 | 19,5 | 20,3 | 20,7 | 20,3                                  | 21,2 | 20,7 | 21,5 | 22,0 |
|                 | 4H  | 19,1                                | 19,9 | 19,6 | 20,3 | 20,8 | 20,6                                  | 21,4 | 21,0 | 21,8 | 22,2 |
|                 | 6H  | 19,1                                | 19,8 | 19,6 | 20,2 | 20,7 | 20,8                                  | 21,5 | 21,2 | 21,9 | 22,4 |
|                 | 8H  | 19,1                                | 19,7 | 19,6 | 20,2 | 20,7 | 20,9                                  | 21,4 | 21,3 | 21,9 | 22,4 |
|                 | 12H | 19,2                                | 19,7 | 19,7 | 20,1 | 20,6 | 20,9                                  | 21,4 | 21,4 | 21,9 | 22,4 |
| 8H              | 4H  | 19,2                                | 19,8 | 19,7 | 20,3 | 20,7 | 20,6                                  | 21,2 | 21,1 | 21,6 | 22,1 |
|                 | 6H  | 19,3                                | 19,7 | 19,8 | 20,2 | 20,7 | 20,9                                  | 21,4 | 21,4 | 21,8 | 22,4 |
|                 | 8H  | 19,3                                | 19,7 | 19,8 | 20,2 | 20,7 | 21,0                                  | 21,4 | 21,5 | 21,9 | 22,4 |
|                 | 12H | 19,3                                | 19,6 | 19,8 | 20,1 | 20,7 | 21,1                                  | 21,4 | 21,6 | 21,9 | 22,5 |
| 12H             | 4H  | 19,3                                | 19,7 | 19,7 | 20,2 | 20,7 | 20,6                                  | 21,1 | 21,1 | 21,6 | 22,1 |
|                 | 6H  | 19,3                                | 19,7 | 19,8 | 20,2 | 20,7 | 20,9                                  | 21,3 | 21,4 | 21,8 | 22,3 |
|                 | 8H  | 19,3                                | 19,6 | 19,8 | 20,2 | 20,7 | 21,0                                  | 21,3 | 21,5 | 21,8 | 22,4 |

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

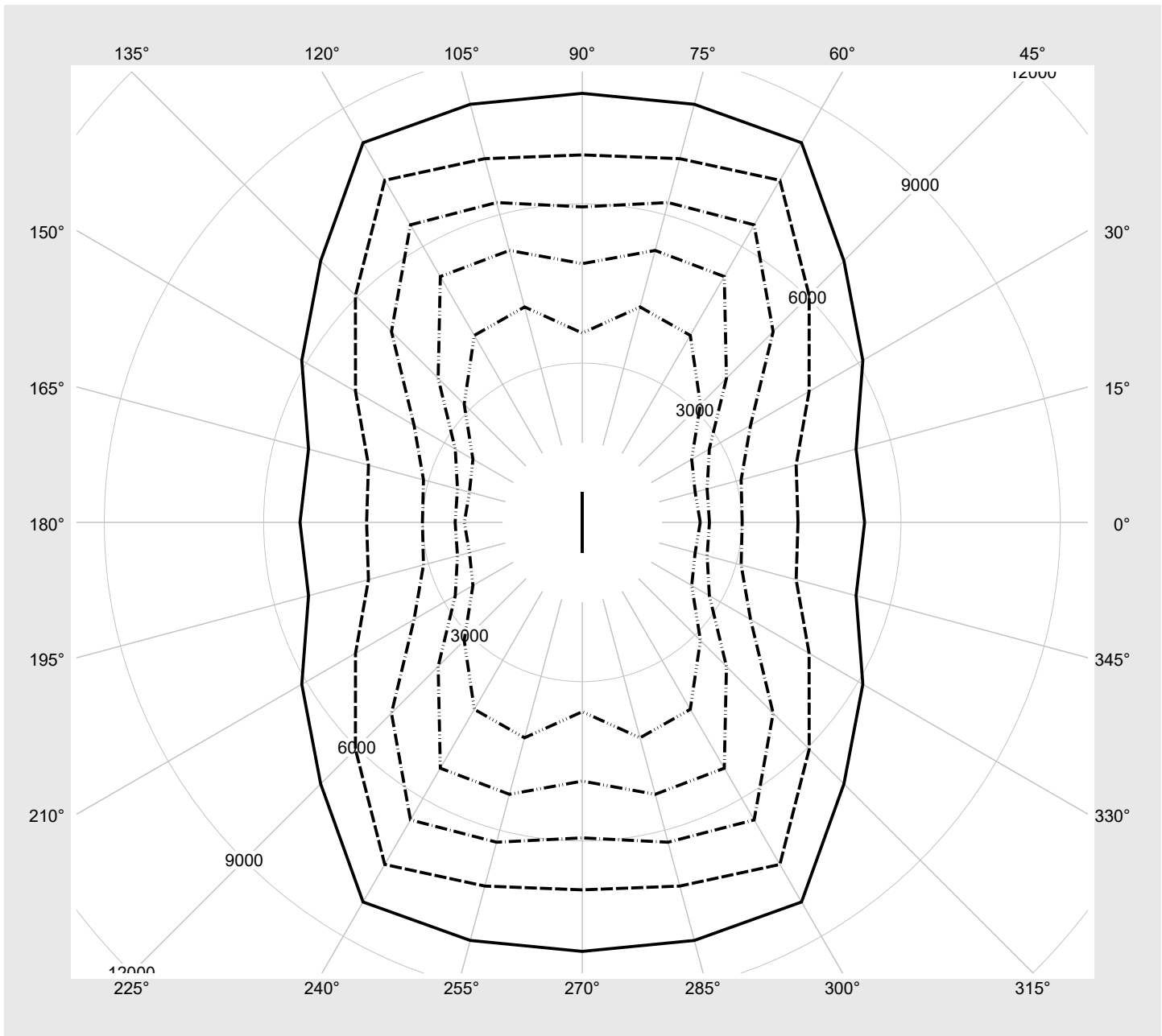
| C-Ebenen | $\gamma$ | Leuchtdichte in $\text{cd/m}^2$ |                             |                             |                             |                             |                             |             |
|----------|----------|---------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
|          |          | 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°      |          | 15991.5                         | 15875.0                     | 15085.0                     | 15231.8                     | 18210.7                     | 20494.6                     | 21181.1     |
| 50°      |          | 10789.6                         | 10685.2                     | 10145.6                     | 10770.2                     | 13568.1                     | 15324.3                     | 15720.5     |
| 55°      |          | 8258.5                          | 8207.9                      | 8212.4                      | 8870.4                      | 11024.6                     | 12134.2                     | 12281.1     |
| 60°      |          | 6635.6                          | 6602.7                      | 7096.7                      | 7903.9                      | 9385.8                      | 9786.9                      | 9777.7      |
| 65°      |          | 5315.2                          | 5336.8                      | 6099.0                      | 6966.4                      | 8256.0                      | 8152.0                      | 8080.4      |
| 70°      |          | 4061.3                          | 4168.5                      | 4930.8                      | 6041.2                      | 7439.9                      | 7091.8                      | 6921.3      |
| 75°      |          | 3010.2                          | 3096.1                      | 3657.8                      | 5081.4                      | 6470.9                      | 6236.4                      | 5942.6      |
| 80°      |          | 2394.1                          | 2433.0                      | 2762.1                      | 3838.0                      | 5346.5                      | 5302.3                      | 4873.2      |
| 85°      |          | 2221.1                          | 2199.6                      | 2378.5                      | 3145.1                      | 4066.6                      | 4200.2                      | 3565.9      |

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

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



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

|                           |                           |               |
|---------------------------|---------------------------|---------------|
| <b>Multilumen-Tabelle</b> | Umgebungstemperatur: 25°C | <b>siteco</b> |
|---------------------------|---------------------------|---------------|

| DIP-Stufe | Schalterstellung |   |   | Lichtstrom<br>[lm] | Systemleistung<br>[W] | Systemleistung [W]<br>Lebensdauerende | Systemleistung [W]<br>Durchschnitt |
|-----------|------------------|---|---|--------------------|-----------------------|---------------------------------------|------------------------------------|
|           | 1                | 2 | 3 |                    |                       |                                       |                                    |
| 1         | A                | C | E | 9040               | 49.3                  | 55.2                                  | 52.2                               |
| 2         | A                | C | F | 8518               | 46.2                  | 51.6                                  | 48.9                               |
| 3         | A                | D | E | 7997               | 43.1                  | 48.0                                  | 45.6                               |
| 4         | A                | D | F | 7475               | 40.0                  | 44.5                                  | 42.2                               |
| 5         | B                | C | E | 7006               | 37.4                  | 41.7                                  | 39.6                               |
| 6         | B                | C | F | 6474               | 34.3                  | 38.3                                  | 36.3                               |
| 7         | B                | D | E | 6005               | 31.8                  | 35.2                                  | 33.5                               |
| 8         | B                | D | F | 5537               | 29.2                  | 32.2                                  | 30.7                               |