

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TL18CN48XFD**  
**EAN: 4058352418253**

**LP-Nummer**  
**58691\_34**



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen CLOi

**Einstellung** DC Betrieb (Zentral- / Gruppenakku) Initiales Notlichtlevel

**Bemessungswerte** Nettolichtstrom = 3320 lm  
Systemleistung = 22.1 W  
Lichtausbeute = 150.2 lm/W

**Seriendokumentation**  
**26.08.2020**

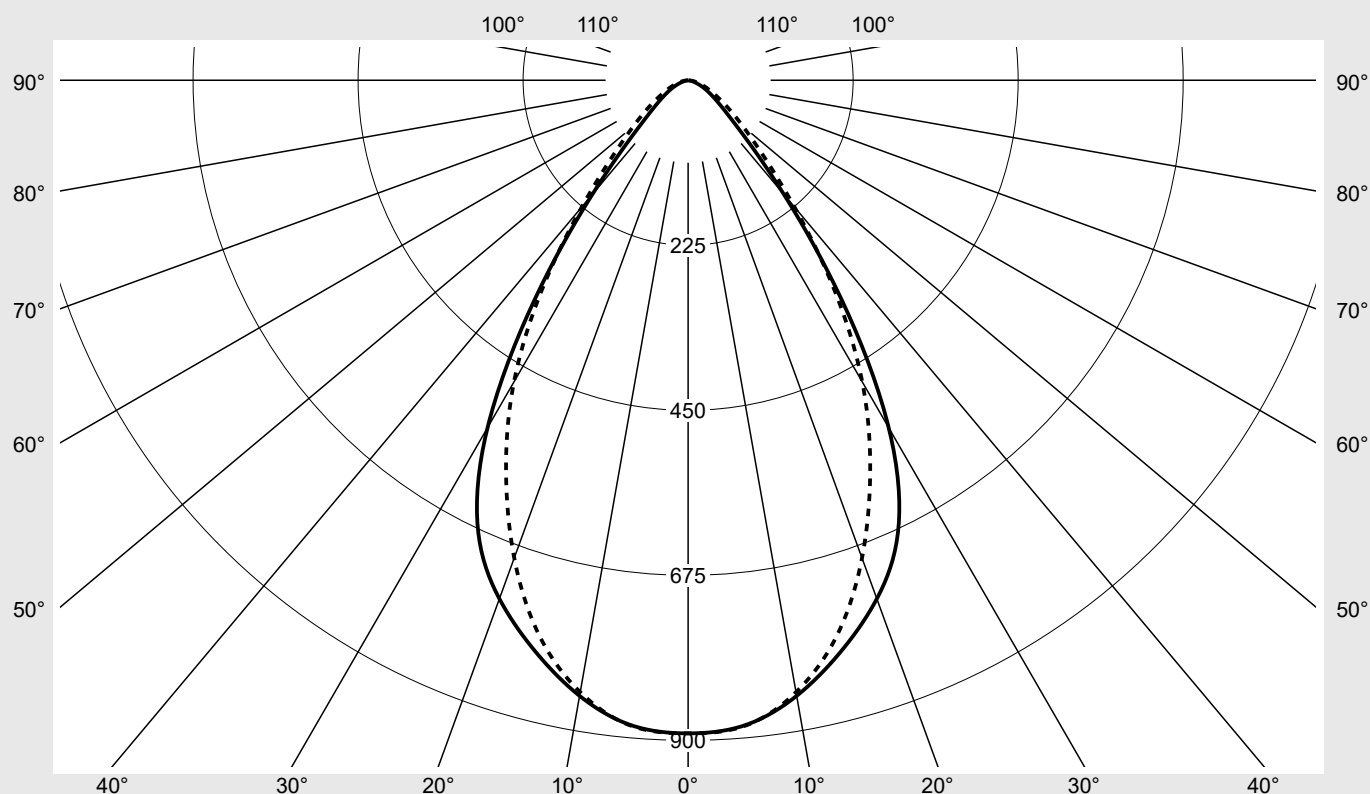
**sitEco**

**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° |             |          |                   |
| γ                     |            |                      |                      |                      |                      |                      |             |          |                   |
| Lichtstärke in cd/klm |            |                      |                      |                      |                      |                      |             |          |                   |
| Lichtstrom in lm/klm  |            |                      |                      |                      |                      |                      |             |          |                   |
| 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                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
|                 |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| Raumabmessungen |     |                                     |      |      |      |      |                                       |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 15,1                                | 16,4 | 15,5 | 16,7 | 17,1 | 16,1                                  | 17,4 | 16,4 | 17,7 | 18,0 |
|                 | 3H  | 15,3                                | 16,5 | 15,7 | 16,8 | 17,2 | 16,5                                  | 17,7 | 16,9 | 18,0 | 18,4 |
|                 | 4H  | 15,3                                | 16,4 | 15,7 | 16,8 | 17,1 | 16,7                                  | 17,8 | 17,1 | 18,1 | 18,5 |
|                 | 6H  | 15,3                                | 16,3 | 15,7 | 16,7 | 17,1 | 16,9                                  | 17,8 | 17,3 | 18,2 | 18,6 |
|                 | 8H  | 15,4                                | 16,2 | 15,8 | 16,6 | 17,0 | 17,0                                  | 17,8 | 17,4 | 18,2 | 18,6 |
|                 | 12H | 15,4                                | 16,2 | 15,8 | 16,6 | 17,0 | 17,0                                  | 17,7 | 17,4 | 18,1 | 18,6 |
| 4H              | 2H  | 15,3                                | 16,4 | 15,7 | 16,7 | 17,1 | 16,1                                  | 17,2 | 16,5 | 17,5 | 17,9 |
|                 | 3H  | 15,6                                | 16,5 | 16,0 | 16,8 | 17,3 | 16,8                                  | 17,7 | 17,2 | 18,1 | 18,5 |
|                 | 4H  | 15,6                                | 16,4 | 16,1 | 16,8 | 17,3 | 17,1                                  | 17,9 | 17,5 | 18,3 | 18,7 |
|                 | 6H  | 15,7                                | 16,3 | 16,1 | 16,8 | 17,2 | 17,3                                  | 18,0 | 17,8 | 18,4 | 18,9 |
|                 | 8H  | 15,7                                | 16,3 | 16,1 | 16,7 | 17,2 | 17,4                                  | 18,0 | 17,8 | 18,4 | 18,9 |
|                 | 12H | 15,7                                | 16,2 | 16,2 | 16,6 | 17,1 | 17,4                                  | 17,9 | 17,9 | 18,4 | 18,9 |
| 8H              | 4H  | 15,7                                | 16,3 | 16,2 | 16,8 | 17,3 | 17,1                                  | 17,7 | 17,6 | 18,2 | 18,6 |
|                 | 6H  | 15,8                                | 16,3 | 16,3 | 16,7 | 17,3 | 17,4                                  | 17,9 | 17,9 | 18,4 | 18,9 |
|                 | 8H  | 15,8                                | 16,2 | 16,3 | 16,7 | 17,2 | 17,5                                  | 17,9 | 18,0 | 18,4 | 18,9 |
|                 | 12H | 15,8                                | 16,2 | 16,3 | 16,7 | 17,2 | 17,6                                  | 17,9 | 18,1 | 18,4 | 19,0 |
| 12H             | 4H  | 15,8                                | 16,3 | 16,3 | 16,7 | 17,2 | 17,1                                  | 17,6 | 17,6 | 18,1 | 18,6 |
|                 | 6H  | 15,8                                | 16,2 | 16,3 | 16,7 | 17,2 | 17,4                                  | 17,8 | 17,9 | 18,3 | 18,8 |
|                 | 8H  | 15,8                                | 16,2 | 16,4 | 16,7 | 17,2 | 17,5                                  | 17,9 | 18,0 | 18,4 | 18,9 |

## 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°          |          | 5873.0                            | 5830.2                      | 5540.1                      | 5594.0                      | 6688.0                      | 7526.8                      | 7778.9      |  |
| 50°          |          | 3962.6                            | 3924.2                      | 3726.0                      | 3955.4                      | 4983.0                      | 5628.0                      | 5773.5      |  |
| 55°          |          | 3033.0                            | 3014.4                      | 3016.1                      | 3257.7                      | 4048.8                      | 4456.3                      | 4510.3      |  |
| 60°          |          | 2437.0                            | 2424.9                      | 2606.3                      | 2902.7                      | 3447.0                      | 3594.3                      | 3590.9      |  |
| 65°          |          | 1952.0                            | 1960.0                      | 2239.9                      | 2558.5                      | 3032.1                      | 2993.9                      | 2967.6      |  |
| 70°          |          | 1491.5                            | 1530.9                      | 1810.9                      | 2218.7                      | 2732.4                      | 2604.5                      | 2541.9      |  |
| 75°          |          | 1105.5                            | 1137.1                      | 1343.3                      | 1866.2                      | 2376.5                      | 2290.4                      | 2182.4      |  |
| 80°          |          | 879.3                             | 893.5                       | 1014.4                      | 1409.5                      | 1963.6                      | 1947.3                      | 1789.7      |  |
| 85°          |          | 815.7                             | 807.8                       | 873.5                       | 1155.0                      | 1493.5                      | 1542.5                      | 1309.6      |  |

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**Leuchtdichten in cd/m²**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

