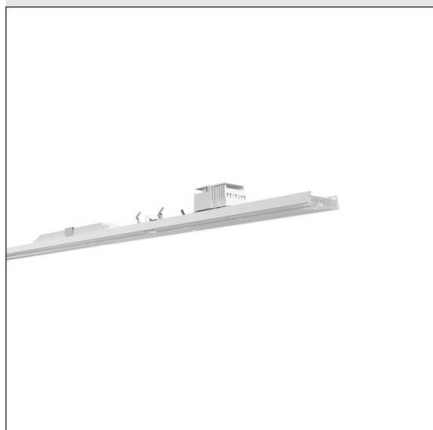


## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TL12DN49XFD**  
**EAN: 4058352418178**

**LP-Nummer**  
**58637\_30**



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

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

**Bemessungswerte** Nettolichtstrom = 1460 lm  
Systemleistung = 9.8 W  
Lichtausbeute = 149 lm/W

**Seriendokumentation**  
**26.08.2020**

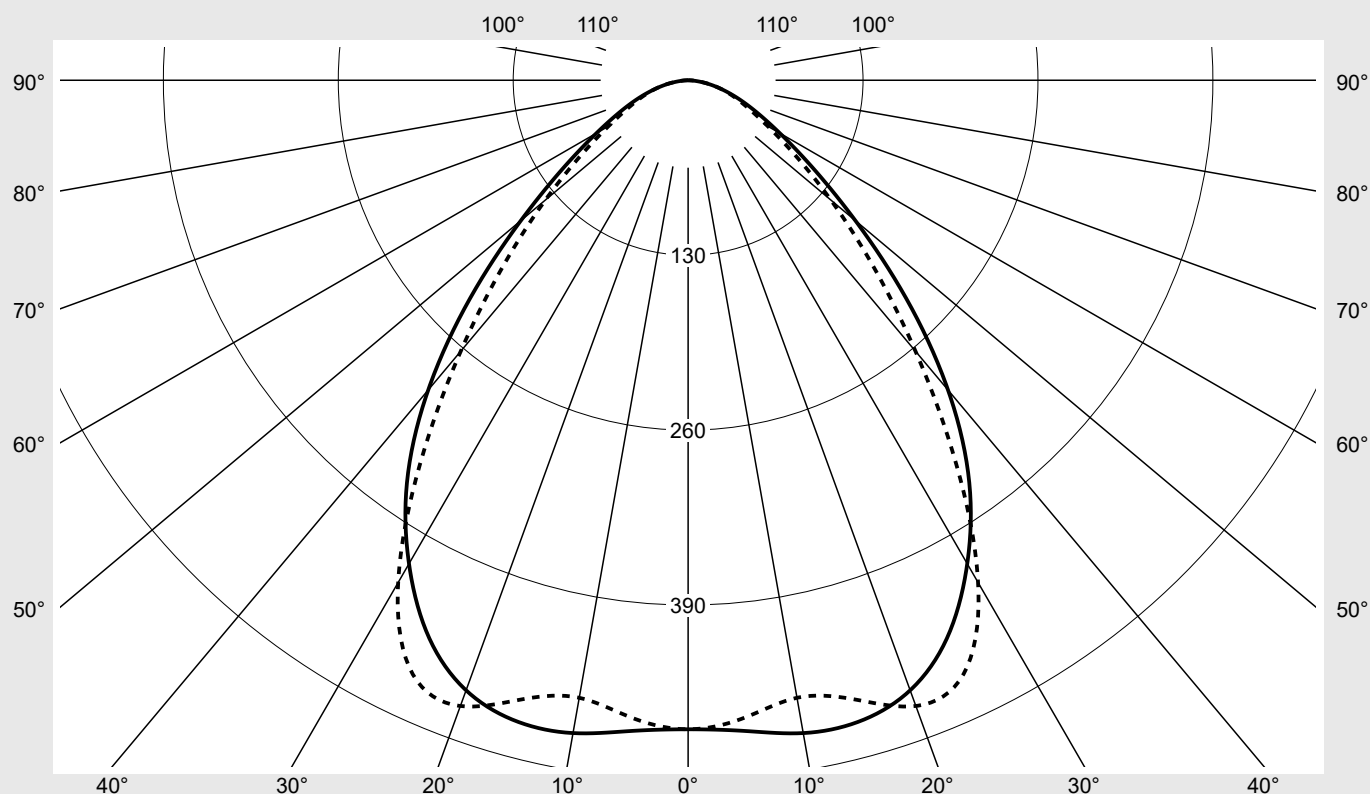
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 498 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 0  
CIE N1=67 N2=92 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

## 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°           | 482.3      | 482.3                | 482.3                | 482.3                | 482.3                | 482.3                | 482.3       | 2.9                   | 2.9               |
| 5°           | 485.4      | 482.8                | 478.2                | 477.5                | 477.4                | 475.9                | 475.7       | 22.9                  | 25.8              |
| 10°          | 492.7      | 488.2                | 477.9                | 471.3                | 467.6                | 465.9                | 466.0       | 45.2                  | 71.0              |
| 15°          | 493.2      | 486.1                | 471.9                | 467.9                | 471.0                | 473.7                | 476.3       | 67.5                  | 138.5             |
| 20°          | 482.5      | 473.5                | 462.5                | 471.9                | 487.1                | 492.8                | 494.9       | 89.9                  | 228.4             |
| 25°          | 456.4      | 447.1                | 449.2                | 479.4                | 497.6                | 491.1                | 485.8       | 109.5                 | 337.8             |
| 30°          | 414.9      | 406.8                | 427.0                | 475.1                | 479.0                | 447.1                | 431.1       | 121.4                 | 459.2             |
| 35°          | 364.2      | 358.0                | 387.7                | 436.7                | 420.7                | 368.9                | 346.8       | 122.0                 | 581.2             |
| 40°          | 300.5      | 296.3                | 322.5                | 357.9                | 336.0                | 284.8                | 262.9       | 110.4                 | 691.6             |
| 45°          | 229.2      | 226.3                | 238.5                | 259.8                | 247.2                | 211.8                | 193.4       | 90.1                  | 781.7             |
| 50°          | 162.3      | 159.3                | 161.6                | 173.6                | 174.5                | 155.2                | 138.5       | 68.2                  | 849.9             |
| 55°          | 112.5      | 108.0                | 105.1                | 112.3                | 121.6                | 110.9                | 97.2        | 49.6                  | 899.5             |
| 60°          | 78.7       | 73.1                 | 68.3                 | 73.1                 | 83.7                 | 77.4                 | 68.5        | 35.5                  | 935.0             |
| 65°          | 56.0       | 50.2                 | 45.0                 | 48.4                 | 56.8                 | 54.5                 | 49.6        | 25.5                  | 960.5             |
| 70°          | 39.5       | 34.5                 | 29.5                 | 32.1                 | 37.8                 | 38.5                 | 36.6        | 18.1                  | 978.6             |
| 75°          | 26.0       | 22.0                 | 18.4                 | 20.2                 | 23.9                 | 25.9                 | 25.8        | 12.0                  | 990.6             |
| 80°          | 14.9       | 12.2                 | 9.9                  | 10.8                 | 13.0                 | 14.8                 | 15.3        | 6.8                   | 997.4             |
| 85°          | 5.4        | 4.3                  | 3.6                  | 4.0                  | 4.7                  | 5.6                  | 5.8         | 2.5                   | 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                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 15,9                                | 17,4 | 16,3 | 17,7 | 18,1 | 16,0                                  | 17,5 | 16,4 | 17,8 | 18,2 |
|                 | 3H  | 16,5                                | 17,8 | 16,8 | 18,1 | 18,5 | 16,6                                  | 17,9 | 17,0 | 18,2 | 18,6 |
|                 | 4H  | 16,7                                | 17,9 | 17,1 | 18,3 | 18,6 | 16,8                                  | 18,1 | 17,2 | 18,4 | 18,8 |
|                 | 6H  | 16,9                                | 18,0 | 17,3 | 18,4 | 18,7 | 17,0                                  | 18,1 | 17,4 | 18,5 | 18,9 |
|                 | 8H  | 17,0                                | 18,0 | 17,4 | 18,4 | 18,8 | 17,1                                  | 18,2 | 17,6 | 18,5 | 18,9 |
|                 | 12H | 17,0                                | 17,9 | 17,4 | 18,3 | 18,7 | 17,2                                  | 18,1 | 17,6 | 18,5 | 18,9 |
| 4H              | 2H  | 16,2                                | 17,4 | 16,6 | 17,7 | 18,1 | 16,3                                  | 17,5 | 16,7 | 17,8 | 18,2 |
|                 | 3H  | 16,8                                | 17,8 | 17,2 | 18,2 | 18,6 | 17,0                                  | 18,0 | 17,4 | 18,4 | 18,8 |
|                 | 4H  | 17,1                                | 18,0 | 17,5 | 18,4 | 18,8 | 17,3                                  | 18,2 | 17,7 | 18,6 | 19,1 |
|                 | 6H  | 17,3                                | 18,1 | 17,7 | 18,5 | 19,0 | 17,6                                  | 18,4 | 18,0 | 18,8 | 19,3 |
|                 | 8H  | 17,4                                | 18,1 | 17,8 | 18,5 | 19,0 | 17,7                                  | 18,4 | 18,2 | 18,8 | 19,3 |
|                 | 12H | 17,4                                | 18,0 | 17,9 | 18,5 | 19,0 | 17,8                                  | 18,4 | 18,2 | 18,8 | 19,3 |
| 8H              | 4H  | 17,1                                | 17,8 | 17,6 | 18,3 | 18,8 | 17,4                                  | 18,1 | 17,8 | 18,5 | 19,0 |
|                 | 6H  | 17,4                                | 18,0 | 17,9 | 18,4 | 18,9 | 17,7                                  | 18,3 | 18,2 | 18,8 | 19,3 |
|                 | 8H  | 17,5                                | 18,0 | 18,0 | 18,5 | 19,0 | 17,8                                  | 18,3 | 18,3 | 18,8 | 19,3 |
|                 | 12H | 17,5                                | 18,0 | 18,1 | 18,5 | 19,0 | 17,9                                  | 18,3 | 18,4 | 18,9 | 19,4 |
| 12H             | 4H  | 17,1                                | 17,7 | 17,6 | 18,2 | 18,7 | 17,4                                  | 18,0 | 17,8 | 18,4 | 18,9 |
|                 | 6H  | 17,4                                | 17,9 | 17,9 | 18,4 | 18,9 | 17,7                                  | 18,2 | 18,2 | 18,7 | 19,2 |
|                 | 8H  | 17,5                                | 17,9 | 18,0 | 18,4 | 19,0 | 17,8                                  | 18,3 | 18,4 | 18,8 | 19,3 |

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

Lichttechnische Abmessungen in mm: **L = 1500**  
**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°      |          | 5438.4                            | 5370.8                      | 5660.5                      | 6165.5                      | 5865.9                      | 5027.6                      | 4588.8      |  |
| 50°      |          | 4237.3                            | 4160.0                      | 4219.0                      | 4533.3                      | 4556.6                      | 4052.8                      | 3616.1      |  |
| 55°      |          | 3291.0                            | 3159.4                      | 3075.3                      | 3286.9                      | 3559.0                      | 3246.0                      | 2843.2      |  |
| 60°      |          | 2641.8                            | 2454.8                      | 2293.2                      | 2454.6                      | 2807.7                      | 2596.7                      | 2297.4      |  |
| 65°      |          | 2225.0                            | 1991.7                      | 1788.0                      | 1923.3                      | 2255.8                      | 2164.1                      | 1971.1      |  |
| 70°      |          | 1937.4                            | 1691.9                      | 1448.3                      | 1574.9                      | 1853.9                      | 1889.9                      | 1797.4      |  |
| 75°      |          | 1683.5                            | 1428.0                      | 1195.2                      | 1309.4                      | 1547.6                      | 1681.0                      | 1671.9      |  |
| 80°      |          | 1436.3                            | 1176.9                      | 954.8                       | 1045.5                      | 1251.9                      | 1434.4                      | 1480.5      |  |
| 85°      |          | 1030.1                            | 833.3                       | 690.5                       | 767.3                       | 908.2                       | 1071.5                      | 1116.2      |  |

**Lichttechnischer Prüfbefund**

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

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

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

**siteco**

