

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Recessed**

**Bestell-Nr.: 52TE107N485G**  
**EAN: 4058352889237**

**LP-Nummer**  
**58684\_70**



**Ausführung** Abdeckung satiniert  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG  
**Bemessungswerte** Nettolichtstrom = 8580 lm  
 Systemleistung = 47.9 W  
 Lichtausbeute = 179.1 lm/W

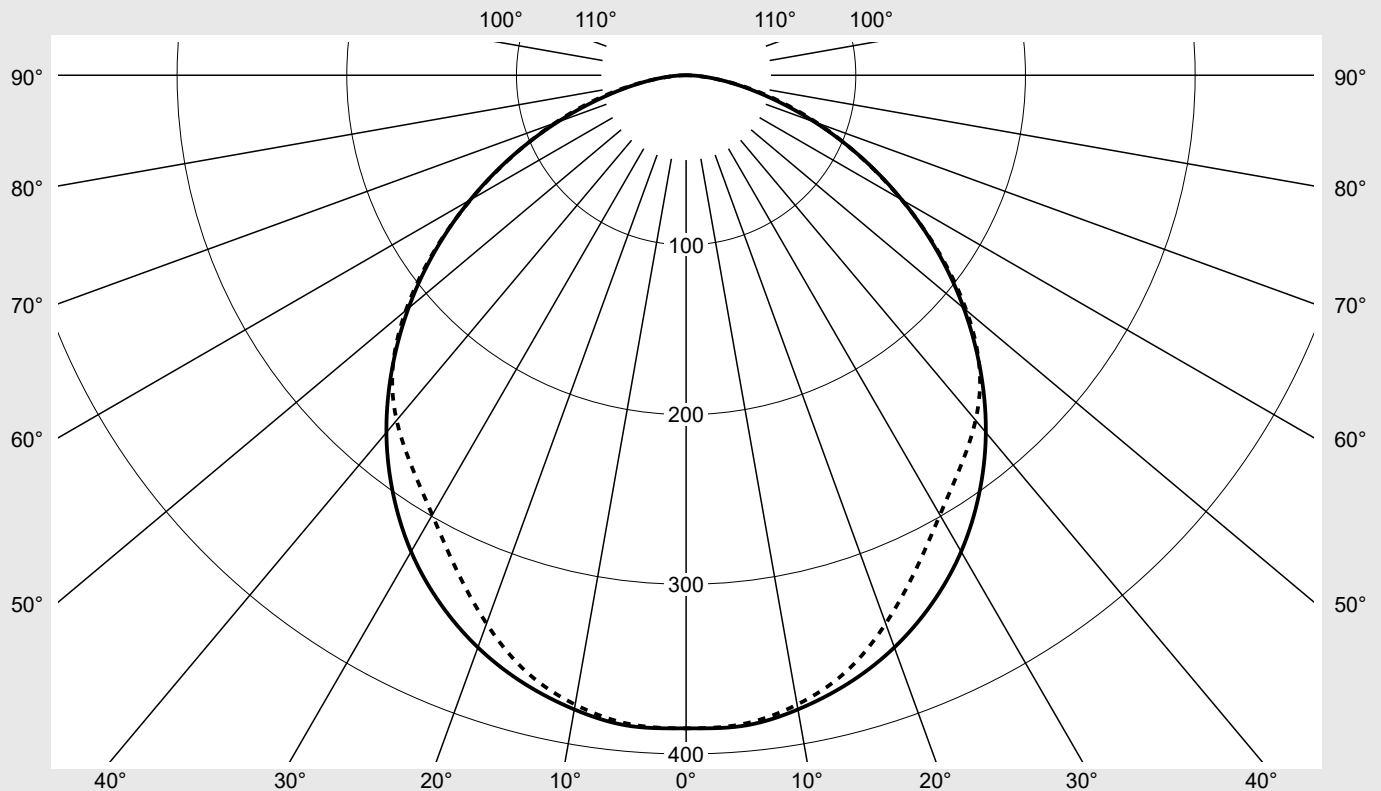
**Seriendokumentation**  
**04.08.2023**

**sitEco**

**Lichtstärke in cd/klm**

**C180-0** **C270-90**

**Imax: 385 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 0  
 CIE N1=50 N2=81 N3=96  
 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°                    | 384.9      | 384.9                | 384.9                | 384.9                | 384.9                | 384.9                | 384.9       | 2.3      | 2.3               |
| 5°                    | 384.9      | 383.5                | 380.9                | 382.4                | 383.7                | 383.9                | 383.8       | 18.3     | 20.6              |
| 10°                   | 379.5      | 378.4                | 375.4                | 376.4                | 377.1                | 376.9                | 376.6       | 35.9     | 56.5              |
| 15°                   | 370.8      | 369.9                | 366.1                | 365.8                | 365.5                | 363.9                | 363.9       | 52.0     | 108.5             |
| 20°                   | 358.8      | 358.1                | 353.2                | 350.6                | 348.2                | 345.1                | 343.9       | 65.8     | 174.3             |
| 25°                   | 343.3      | 342.7                | 336.1                | 331.0                | 326.3                | 322.1                | 320.9       | 76.8     | 251.1             |
| 30°                   | 324.2      | 323.3                | 314.8                | 307.4                | 302.4                | 299.4                | 299.2       | 84.9     | 336.1             |
| 35°                   | 301.1      | 299.6                | 289.7                | 281.8                | 279.3                | 280.0                | 281.8       | 90.2     | 426.3             |
| 40°                   | 274.8      | 272.4                | 262.0                | 255.7                | 258.0                | 262.5                | 265.4       | 92.8     | 519.1             |
| 45°                   | 245.2      | 241.9                | 231.9                | 229.2                | 235.1                | 240.6                | 244.6       | 92.0     | 611.1             |
| 50°                   | 213.6      | 209.5                | 202.3                | 202.7                | 208.5                | 212.2                | 215.6       | 87.5     | 698.5             |
| 55°                   | 180.7      | 176.6                | 172.5                | 174.4                | 178.1                | 179.3                | 181.7       | 79.5     | 778.0             |
| 60°                   | 146.9      | 143.9                | 142.8                | 145.1                | 146.4                | 145.5                | 146.6       | 68.9     | 846.9             |
| 65°                   | 113.3      | 112.0                | 113.5                | 115.8                | 115.6                | 113.0                | 112.9       | 56.5     | 903.4             |
| 70°                   | 80.7       | 81.0                 | 84.0                 | 87.4                 | 86.4                 | 83.3                 | 82.2        | 43.2     | 946.6             |
| 75°                   | 51.4       | 52.0                 | 55.5                 | 60.1                 | 59.2                 | 56.0                 | 54.4        | 29.6     | 976.3             |
| 80°                   | 28.6       | 28.8                 | 31.3                 | 34.2                 | 34.2                 | 31.5                 | 29.9        | 17.0     | 993.3             |
| 85°                   | 11.6       | 11.6                 | 12.6                 | 13.6                 | 13.2                 | 11.7                 | 10.4        | 6.7      | 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  | 24,1                                | 25,8 | 24,5 | 26,1 | 26,4 | 24,2                                  | 25,9 | 24,5 | 26,2 | 26,5 |
|                 | 3H  | 25,5                                | 27,0 | 25,9 | 27,3 | 27,7 | 25,6                                  | 27,0 | 25,9 | 27,4 | 27,7 |
|                 | 4H  | 25,9                                | 27,3 | 26,3 | 27,7 | 28,1 | 26,1                                  | 27,5 | 26,5 | 27,8 | 28,2 |
|                 | 6H  | 26,3                                | 27,5 | 26,7 | 27,9 | 28,3 | 26,4                                  | 27,7 | 26,8 | 28,1 | 28,5 |
|                 | 8H  | 26,4                                | 27,6 | 26,8 | 28,0 | 28,4 | 26,5                                  | 27,7 | 27,0 | 28,1 | 28,5 |
|                 | 12H | 26,4                                | 27,6 | 26,9 | 28,0 | 28,4 | 26,6                                  | 27,7 | 27,0 | 28,1 | 28,5 |
| 4H              | 2H  | 24,8                                | 26,2 | 25,2 | 26,6 | 27,0 | 24,9                                  | 26,3 | 25,3 | 26,6 | 27,0 |
|                 | 3H  | 26,4                                | 27,6 | 26,8 | 27,9 | 28,4 | 26,5                                  | 27,6 | 26,9 | 28,0 | 28,4 |
|                 | 4H  | 26,9                                | 28,0 | 27,4 | 28,4 | 28,8 | 27,1                                  | 28,2 | 27,5 | 28,6 | 29,0 |
|                 | 6H  | 27,3                                | 28,3 | 27,8 | 28,7 | 29,2 | 27,5                                  | 28,5 | 28,0 | 28,9 | 29,3 |
|                 | 8H  | 27,5                                | 28,3 | 27,9 | 28,8 | 29,2 | 27,7                                  | 28,5 | 28,1 | 29,0 | 29,4 |
|                 | 12H | 27,6                                | 28,3 | 28,1 | 28,8 | 29,3 | 27,8                                  | 28,5 | 28,2 | 29,0 | 29,5 |
| 8H              | 4H  | 27,3                                | 28,1 | 27,7 | 28,6 | 29,0 | 27,4                                  | 28,2 | 27,9 | 28,7 | 29,2 |
|                 | 6H  | 27,8                                | 28,5 | 28,3 | 28,9 | 29,4 | 28,0                                  | 28,7 | 28,5 | 29,1 | 29,6 |
|                 | 8H  | 27,9                                | 28,6 | 28,4 | 29,1 | 29,6 | 28,2                                  | 28,8 | 28,7 | 29,3 | 29,8 |
|                 | 12H | 28,1                                | 28,6 | 28,6 | 29,1 | 29,6 | 28,3                                  | 28,8 | 28,8 | 29,3 | 29,8 |
| 12H             | 4H  | 27,3                                | 28,1 | 27,8 | 28,5 | 29,0 | 27,4                                  | 28,2 | 27,9 | 28,6 | 29,1 |
|                 | 6H  | 27,9                                | 28,5 | 28,4 | 28,9 | 29,5 | 28,0                                  | 28,6 | 28,5 | 29,1 | 29,6 |
|                 | 8H  | 28,1                                | 28,6 | 28,6 | 29,1 | 29,6 | 28,3                                  | 28,8 | 28,8 | 29,3 | 29,8 |

## 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°          |          | 34195.2                           | 33732.9                     | 32341.6                     | 31960.8                     | 32788.4                     | 33560.4                     | 34113.8     |
| 50°          |          | 32779.1                           | 32147.9                     | 31036.4                     | 31092.2                     | 31985.9                     | 32555.7                     | 33080.8     |
| 55°          |          | 31062.8                           | 30361.7                     | 29666.9                     | 29979.8                     | 30618.4                     | 30824.9                     | 31238.2     |
| 60°          |          | 28969.6                           | 28387.8                     | 28172.4                     | 28624.9                     | 28869.0                     | 28689.4                     | 28912.0     |
| 65°          |          | 26440.2                           | 26142.9                     | 26474.3                     | 27018.0                     | 26967.1                     | 26372.3                     | 26355.3     |
| 70°          |          | 23283.2                           | 23356.7                     | 24216.6                     | 25192.9                     | 24906.6                     | 24005.8                     | 23711.7     |
| 75°          |          | 19586.3                           | 19802.7                     | 21152.7                     | 22917.3                     | 22555.3                     | 21341.3                     | 20737.8     |
| 80°          |          | 16219.6                           | 16374.7                     | 17787.1                     | 19439.2                     | 19429.0                     | 17894.5                     | 16980.7     |
| 85°          |          | 13141.8                           | 13113.5                     | 14200.9                     | 15424.1                     | 14902.5                     | 13294.5                     | 11790.7     |

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**Leuchtdichten in cd/m²**

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

**siteco**

