

Lichttechnischer Prüfbefund

Familie
Licross® 11 Performance

Bestell-Nr.: 51TD16CN49XG
EAN: 4058352928844

LP-Nummer
58520_365



Ausführung Abdeckung satiniert, direkt-/ indirekt strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 9190 lm
 Systemleistung = 49.4 W
 Lichtausbeute = 186 lm/W

Seriendokumentation
12.10.2023

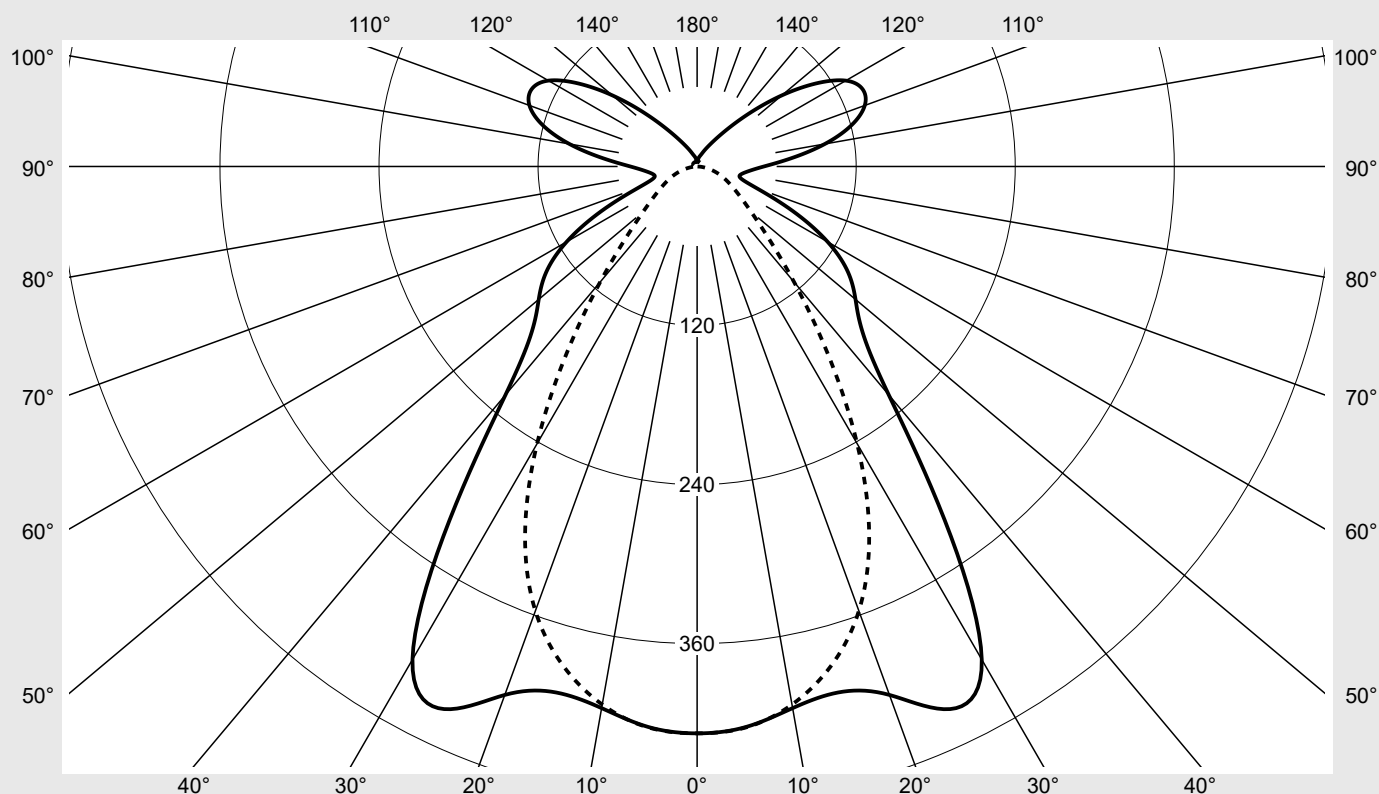
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 452 cd/klm



Klassifizierungen

DIN 5040 B 5 1
 CIE N1=65 N2=88 N3=96
 N4=79 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 79,3%
 ϕ_o 20,7%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|--|---|--------------------------------------|
| Familie Licross® 11 Performance | Bestell-Nr.: 51TD16CN49XG EAN: 4058352928844 | LP-Nummer 58520_365 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | sITeco |

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| Lichtstärke in cd/klm | | | | | | | | Lichtstrom in lm/klm | |
| γ | | | | | | | | | |
| 0° | 427.7 | 427.7 | 427.7 | 427.7 | 427.7 | 427.7 | 427.7 | 2.6 | 2.6 |
| 5° | 424.4 | 422.4 | 420.2 | 422.1 | 424.3 | 424.4 | 424.8 | 20.2 | 22.8 |
| 10° | 414.9 | 412.5 | 408.9 | 409.5 | 411.2 | 411.6 | 412.2 | 39.1 | 61.9 |
| 15° | 410.8 | 406.7 | 398.1 | 393.2 | 390.9 | 389.7 | 390.1 | 56.3 | 118.2 |
| 20° | 424.3 | 415.5 | 394.5 | 375.8 | 364.0 | 357.7 | 356.8 | 71.8 | 190.0 |
| 25° | 451.7 | 439.9 | 403.9 | 360.3 | 329.2 | 311.6 | 307.2 | 85.9 | 275.8 |
| 30° | 429.5 | 430.9 | 412.5 | 347.4 | 284.5 | 251.0 | 241.5 | 94.2 | 370.0 |
| 35° | 325.6 | 344.5 | 379.3 | 329.0 | 231.5 | 183.8 | 171.0 | 89.9 | 460.0 |
| 40° | 224.9 | 238.5 | 293.1 | 289.7 | 177.2 | 125.7 | 113.8 | 76.0 | 535.9 |
| 45° | 176.4 | 174.8 | 199.5 | 224.7 | 128.0 | 84.3 | 75.7 | 60.6 | 596.5 |
| 50° | 156.0 | 144.3 | 136.6 | 154.2 | 90.2 | 58.9 | 53.2 | 48.2 | 644.7 |
| 55° | 139.0 | 122.9 | 98.4 | 99.7 | 63.9 | 43.4 | 39.8 | 38.7 | 683.4 |
| 60° | 113.7 | 99.1 | 72.2 | 64.7 | 46.3 | 33.0 | 30.8 | 30.7 | 714.1 |
| 65° | 79.7 | 70.2 | 51.6 | 43.8 | 34.5 | 25.6 | 24.0 | 23.0 | 737.1 |
| 70° | 47.7 | 43.4 | 35.6 | 31.1 | 26.2 | 19.7 | 18.2 | 16.2 | 753.3 |
| 75° | 33.9 | 31.2 | 26.1 | 23.2 | 19.9 | 14.4 | 12.7 | 12.2 | 765.5 |
| 80° | 33.7 | 30.7 | 23.7 | 18.2 | 15.1 | 9.9 | 7.5 | 10.6 | 776.1 |
| 85° | 39.3 | 35.6 | 26.3 | 17.2 | 11.4 | 6.2 | 3.2 | 10.7 | 786.9 |
| 90° | 50.4 | 45.6 | 32.3 | 18.9 | 10.0 | 3.9 | 0.6 | 12.4 | 799.3 |
| 95° | 71.3 | 63.5 | 42.3 | 22.5 | 11.4 | 4.6 | 1.0 | 16.4 | 815.7 |
| 100° | 97.9 | 84.6 | 52.5 | 26.5 | 12.9 | 5.3 | 1.6 | 20.8 | 836.6 |
| 105° | 120.7 | 101.7 | 62.6 | 30.2 | 14.2 | 6.1 | 2.4 | 24.4 | 860.9 |
| 110° | 134.6 | 112.6 | 69.4 | 33.2 | 15.3 | 6.7 | 2.9 | 26.3 | 887.2 |
| 115° | 137.8 | 115.5 | 72.0 | 34.6 | 16.0 | 7.2 | 3.2 | 26.1 | 913.3 |
| 120° | 129.6 | 108.9 | 68.7 | 33.6 | 15.7 | 7.4 | 3.5 | 23.8 | 937.1 |
| 125° | 109.1 | 92.2 | 59.5 | 30.3 | 14.7 | 7.4 | 3.7 | 19.5 | 956.6 |
| 130° | 83.4 | 71.0 | 47.4 | 25.5 | 13.2 | 7.2 | 3.7 | 14.5 | 971.2 |
| 135° | 58.6 | 50.3 | 35.1 | 20.5 | 11.4 | 6.8 | 3.7 | 10.0 | 981.2 |
| 140° | 39.2 | 34.3 | 25.3 | 16.3 | 9.8 | 6.3 | 3.7 | 6.7 | 987.9 |
| 145° | 26.6 | 23.8 | 18.6 | 13.0 | 8.2 | 5.4 | 3.7 | 4.4 | 992.3 |
| 150° | 18.7 | 17.2 | 14.2 | 10.0 | 6.9 | 5.0 | 3.7 | 2.9 | 995.2 |
| 155° | 13.8 | 12.8 | 10.8 | 7.8 | 6.8 | 4.4 | 3.6 | 2.0 | 997.2 |
| 160° | 10.2 | 9.8 | 7.9 | 6.8 | 5.6 | 4.6 | 3.5 | 1.3 | 998.5 |
| 165° | 8.2 | 7.8 | 6.5 | 5.6 | 5.0 | 4.1 | 3.7 | 0.8 | 999.3 |
| 170° | 6.4 | 5.6 | 4.7 | 4.7 | 5.0 | 4.1 | 3.9 | 0.5 | 999.8 |
| 175° | 4.2 | 3.7 | 4.1 | 4.1 | 4.1 | 4.2 | 4.2 | 0.2 | 1000.0 |
| 180° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 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 | 18,8 | 20,0 | 19,4 | 20,6 | 21,2 | 15,0 | 16,2 | 15,5 | 16,8 | 17,4 |
| | 3H | 19,4 | 20,5 | 20,0 | 21,1 | 21,8 | 15,4 | 16,5 | 16,0 | 17,1 | 17,8 |
| | 4H | 19,5 | 20,5 | 20,2 | 21,2 | 21,9 | 15,6 | 16,6 | 16,2 | 17,2 | 17,9 |
| | 6H | 19,8 | 20,7 | 20,5 | 21,4 | 22,1 | 15,7 | 16,7 | 16,4 | 17,3 | 18,0 |
| | 8H | 20,1 | 20,8 | 20,7 | 21,5 | 22,3 | 15,7 | 16,6 | 16,4 | 17,3 | 18,0 |
| | 12H | 20,4 | 21,1 | 21,1 | 21,8 | 22,6 | 15,7 | 16,6 | 16,4 | 17,2 | 18,0 |
| 4H | 2H | 18,8 | 19,8 | 19,4 | 20,4 | 21,1 | 15,4 | 16,4 | 16,1 | 17,1 | 17,8 |
| | 3H | 19,5 | 20,3 | 20,1 | 21,0 | 21,7 | 16,0 | 16,9 | 16,7 | 17,5 | 18,3 |
| | 4H | 19,7 | 20,5 | 20,4 | 21,2 | 22,0 | 16,3 | 17,1 | 17,0 | 17,7 | 18,5 |
| | 6H | 20,1 | 20,8 | 20,9 | 21,5 | 22,3 | 16,5 | 17,2 | 17,2 | 17,9 | 18,7 |
| | 8H | 20,5 | 21,1 | 21,2 | 21,8 | 22,7 | 16,6 | 17,2 | 17,3 | 17,9 | 18,8 |
| | 12H | 21,0 | 21,5 | 21,8 | 22,3 | 23,1 | 16,6 | 17,2 | 17,3 | 17,9 | 18,7 |
| 8H | 4H | 19,7 | 20,3 | 20,4 | 21,0 | 21,8 | 16,5 | 17,0 | 17,2 | 17,8 | 18,6 |
| | 6H | 20,2 | 20,7 | 21,0 | 21,5 | 22,4 | 16,8 | 17,3 | 17,6 | 18,1 | 19,0 |
| | 8H | 20,7 | 21,2 | 21,5 | 21,9 | 22,8 | 17,0 | 17,5 | 17,8 | 18,2 | 19,1 |
| | 12H | 21,5 | 21,9 | 22,3 | 22,6 | 23,6 | 17,1 | 17,5 | 17,9 | 18,3 | 19,2 |
| 12H | 4H | 19,6 | 20,2 | 20,4 | 20,9 | 21,8 | 16,5 | 17,0 | 17,2 | 17,7 | 18,6 |
| | 6H | 20,2 | 20,7 | 21,0 | 21,4 | 22,3 | 17,0 | 17,4 | 17,7 | 18,1 | 19,0 |
| | 8H | 20,8 | 21,1 | 21,5 | 21,9 | 22,8 | 17,2 | 17,5 | 18,0 | 18,3 | 19,2 |

| | | | |
|--|---|------------------------|---------------------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1480, B = 115 | H(C0) = 36, H(C90) = 0 | H(C180) = 36, H(C270) = 0 |
|--|---|------------------------|---------------------------|

| C-Ebenen | γ | Leuchtdichte in cd/m ² | | | | | | | |
|----------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | |
| 45° | 10259.8 | 10248.7 | 11985.5 | 14048.8 | 8454.6 | 5955.7 | 5777.3 | | |
| 50° | 9543.9 | 8907.9 | 8669.6 | 10250.0 | 6387.6 | 4514.5 | 4466.4 | | |
| 55° | 9042.3 | 8082.2 | 6678.9 | 7133.0 | 4916.0 | 3661.6 | 3744.5 | | |
| 60° | 7960.9 | 7025.5 | 5303.5 | 5051.1 | 3937.5 | 3129.8 | 3325.8 | | |
| 65° | 6096.2 | 5437.0 | 4166.4 | 3794.8 | 3304.6 | 2789.5 | 3070.7 | | |
| 70° | 4046.9 | 3741.7 | 3221.2 | 3057.4 | 2887.2 | 2542.1 | 2878.5 | | |
| 75° | 3266.2 | 3055.6 | 2707.6 | 2650.6 | 2624.4 | 2312.1 | 2651.8 | | |
| 80° | 3779.2 | 3519.4 | 2904.1 | 2506.1 | 2491.5 | 2113.2 | 2334.3 | | |
| 85° | 5314.3 | 4956.0 | 3973.6 | 3019.3 | 2526.0 | 1997.8 | 1987.4 | | |

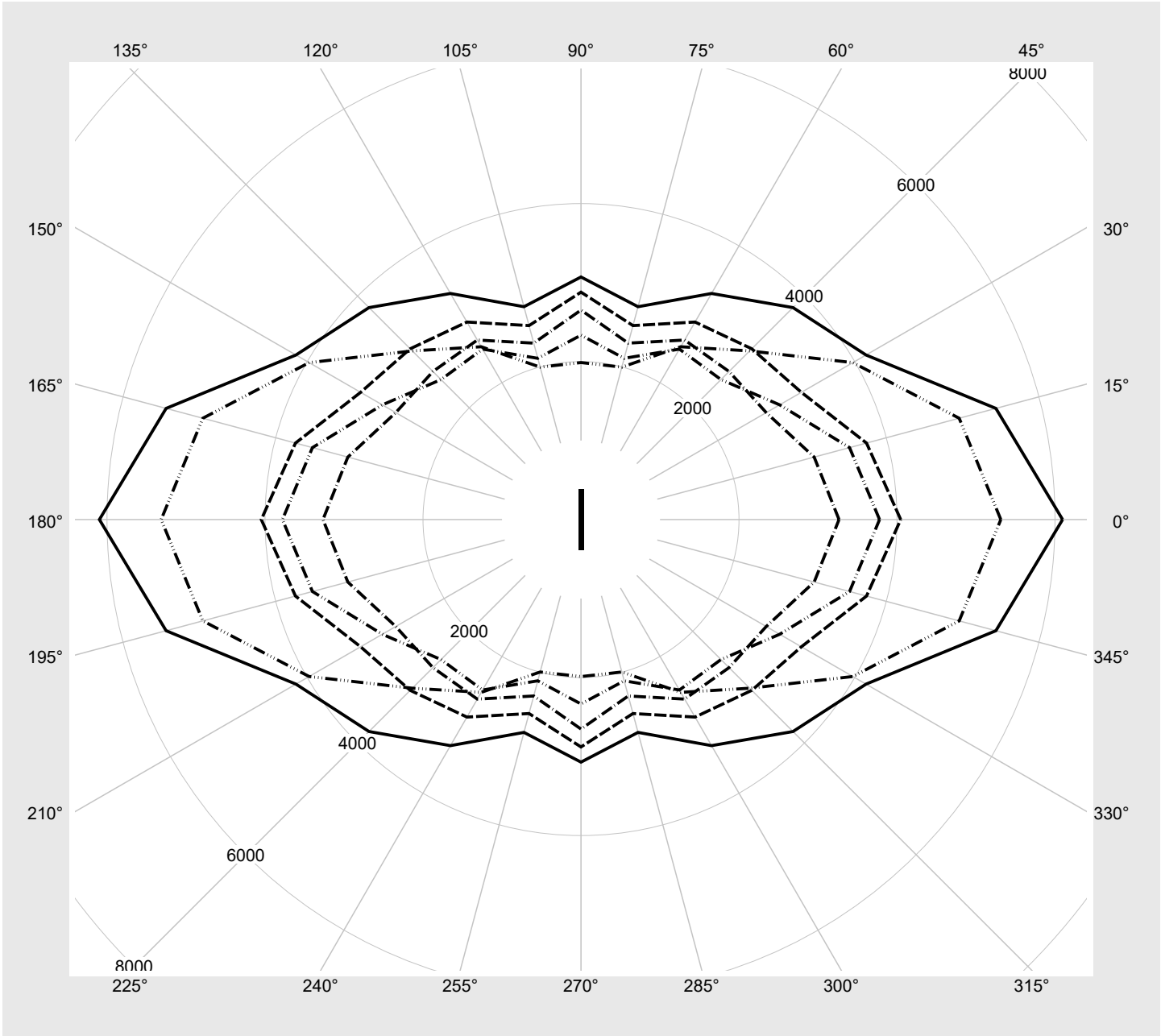
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Leuchtdichten in cd/m²

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| γ 65° | γ 70° | γ 75° | γ 80° | γ 85° |
|--------------|--------------|--------------|--------------|--------------|

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| | | |
|---------------------------|---------------------------|---------------|
| Multilumen-Tabelle | Umgebungstemperatur: 25°C | sITeco |
|---------------------------|---------------------------|---------------|

| DIP-Stufe | Schalterstellung | | | Lichtstrom [lm] | Systemleistung [W] | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|-----------|------------------|---|---|--------------------|-----------------------|---------------------------------------|------------------------------------|
| | 1 | 2 | 3 | | | | |
| 1 | A | C | E | 9190 | 49.4 | 55.3 | 52.4 |
| 2 | A | C | F | 8658 | 46.3 | 51.7 | 49.0 |
| 3 | A | D | E | 8125 | 43.1 | 48.1 | 45.6 |
| 4 | A | D | F | 7667 | 40.5 | 44.5 | 42.5 |
| 5 | B | C | E | 7113 | 37.4 | 41.8 | 39.6 |
| 6 | B | C | F | 6645 | 34.7 | 38.3 | 36.5 |
| 7 | B | D | E | 6091 | 31.8 | 35.2 | 33.5 |
| 8 | B | D | F | 5623 | 29.2 | 32.2 | 30.7 |