

Lichttechnischer Prüfbefund

Familie
Licross® 11 Recessed

Bestell-Nr.: 51TL12DN4EXM3C
EAN: 4058352935064

LP-Nummer
58689_122



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung AC-Betrieb

Bemessungswerte Nettolichtstrom = 14030 lm
Systemleistung = 80.6 W
Lichtausbeute = 174.1 lm/W

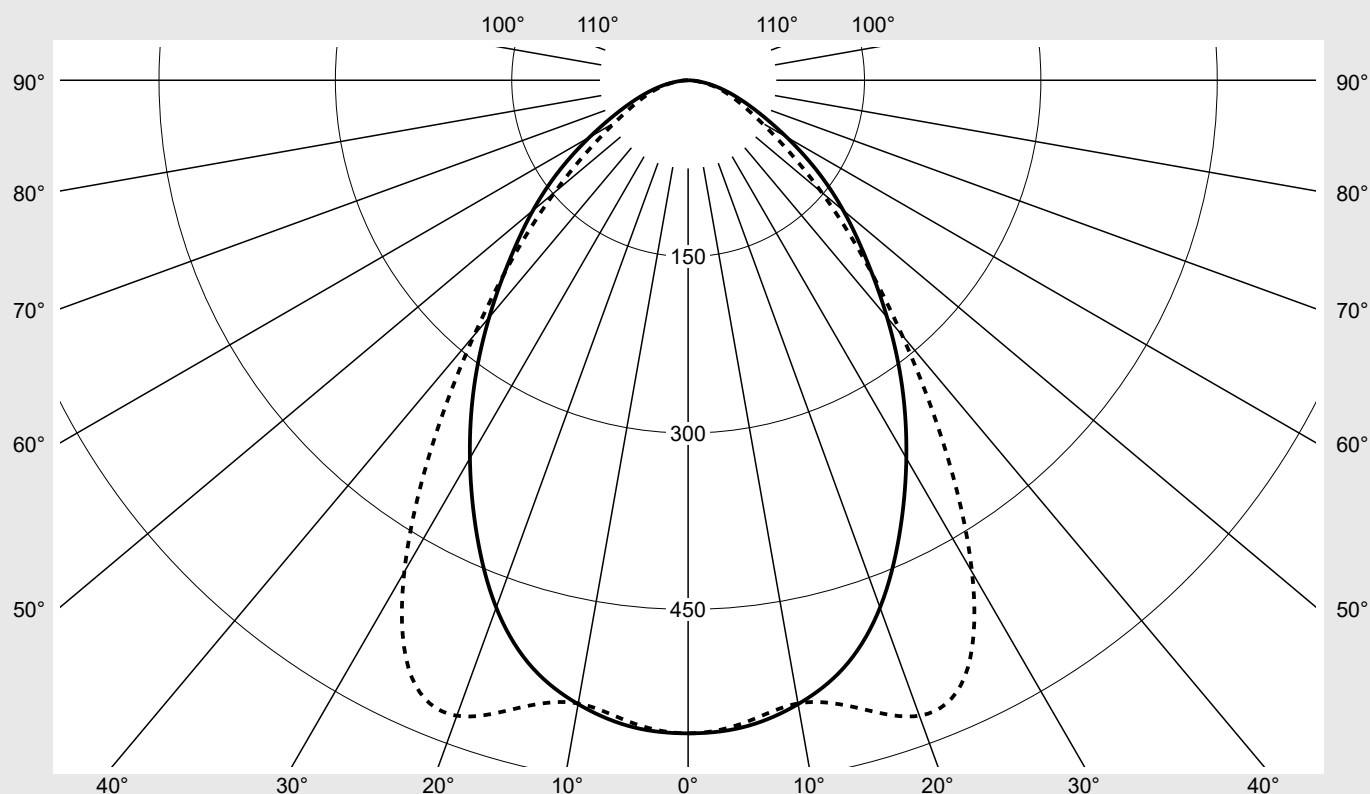
Seriendokumentation
29.09.2023

siteco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 575 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=66 N2=91 N3=98
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|---|---|--------------------------------------|
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| 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° | | | |
| γ | | Lichtstärke in cd/klm | | | | | | Lichtstrom in lm/klm | |
| 0° | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 | 3.3 | 3.3 |
| 5° | 551.9 | 549.3 | 545.0 | 546.0 | 548.1 | 548.0 | 548.5 | 26.2 | 29.5 |
| 10° | 538.7 | 535.0 | 528.7 | 529.1 | 532.7 | 535.9 | 538.2 | 50.8 | 80.3 |
| 15° | 515.9 | 510.9 | 504.6 | 513.1 | 530.5 | 544.7 | 552.3 | 74.2 | 154.5 |
| 20° | 477.2 | 471.4 | 470.1 | 497.6 | 537.0 | 563.7 | 575.1 | 95.8 | 250.2 |
| 25° | 425.5 | 419.5 | 426.9 | 469.4 | 521.2 | 548.6 | 558.0 | 111.1 | 361.3 |
| 30° | 371.2 | 364.3 | 378.4 | 421.3 | 459.9 | 477.2 | 482.9 | 115.5 | 476.8 |
| 35° | 317.2 | 309.8 | 328.6 | 357.7 | 367.8 | 374.7 | 379.7 | 109.4 | 586.2 |
| 40° | 263.2 | 255.5 | 280.4 | 291.4 | 277.2 | 277.7 | 283.1 | 97.2 | 683.4 |
| 45° | 213.7 | 204.0 | 230.1 | 230.5 | 202.8 | 200.2 | 207.0 | 82.5 | 765.9 |
| 50° | 172.3 | 160.2 | 177.2 | 176.6 | 149.6 | 143.3 | 148.0 | 67.7 | 833.6 |
| 55° | 133.3 | 121.6 | 126.4 | 129.1 | 111.8 | 101.0 | 103.0 | 53.0 | 886.6 |
| 60° | 96.7 | 87.9 | 85.2 | 90.2 | 83.1 | 71.0 | 72.1 | 39.7 | 926.3 |
| 65° | 67.7 | 61.0 | 56.3 | 61.1 | 60.5 | 50.8 | 52.1 | 29.0 | 955.3 |
| 70° | 46.9 | 41.7 | 36.5 | 40.2 | 42.1 | 36.4 | 38.1 | 20.6 | 975.8 |
| 75° | 30.9 | 26.7 | 22.6 | 25.0 | 27.1 | 24.7 | 26.6 | 13.7 | 989.5 |
| 80° | 17.8 | 14.8 | 12.0 | 13.1 | 14.7 | 14.1 | 15.6 | 7.7 | 997.1 |
| 85° | 6.6 | 5.4 | 4.4 | 4.8 | 5.3 | 5.4 | 5.9 | 2.9 | 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 | 25,6 | 24,4 | 25,9 | 26,2 | 23,5 | 25,0 | 23,9 | 25,3 | 25,6 |
| | 3H | 24,8 | 26,1 | 25,2 | 26,4 | 26,8 | 24,1 | 25,4 | 24,5 | 25,8 | 26,1 |
| | 4H | 25,1 | 26,3 | 25,5 | 26,7 | 27,0 | 24,4 | 25,6 | 24,8 | 26,0 | 26,3 |
| | 6H | 25,3 | 26,4 | 25,7 | 26,8 | 27,2 | 24,6 | 25,7 | 25,0 | 26,1 | 26,5 |
| | 8H | 25,4 | 26,4 | 25,9 | 26,8 | 27,2 | 24,7 | 25,7 | 25,1 | 26,1 | 26,5 |
| | 12H | 25,5 | 26,4 | 25,9 | 26,8 | 27,2 | 24,7 | 25,7 | 25,2 | 26,1 | 26,5 |
| 4H | 2H | 24,4 | 25,6 | 24,8 | 26,0 | 26,3 | 24,0 | 25,2 | 24,4 | 25,5 | 25,9 |
| | 3H | 25,2 | 26,2 | 25,6 | 26,6 | 27,0 | 24,7 | 25,8 | 25,2 | 26,1 | 26,6 |
| | 4H | 25,6 | 26,5 | 26,0 | 26,9 | 27,3 | 25,1 | 26,0 | 25,5 | 26,4 | 26,8 |
| | 6H | 25,8 | 26,6 | 26,3 | 27,1 | 27,5 | 25,4 | 26,1 | 25,8 | 26,6 | 27,0 |
| | 8H | 25,9 | 26,7 | 26,4 | 27,1 | 27,6 | 25,5 | 26,2 | 25,9 | 26,6 | 27,1 |
| | 12H | 26,0 | 26,6 | 26,5 | 27,1 | 27,6 | 25,5 | 26,1 | 26,0 | 26,6 | 27,1 |
| 8H | 4H | 25,7 | 26,4 | 26,1 | 26,8 | 27,3 | 25,2 | 25,9 | 25,7 | 26,4 | 26,8 |
| | 6H | 26,0 | 26,6 | 26,5 | 27,0 | 27,5 | 25,6 | 26,1 | 26,1 | 26,6 | 27,1 |
| | 8H | 26,1 | 26,6 | 26,6 | 27,1 | 27,6 | 25,7 | 26,2 | 26,2 | 26,7 | 27,2 |
| | 12H | 26,2 | 26,6 | 26,7 | 27,1 | 27,7 | 25,8 | 26,2 | 26,3 | 26,7 | 27,3 |
| 12H | 4H | 25,7 | 26,3 | 26,2 | 26,7 | 27,2 | 25,2 | 25,8 | 25,7 | 26,3 | 26,8 |
| | 6H | 26,0 | 26,5 | 26,5 | 27,0 | 27,5 | 25,6 | 26,1 | 26,1 | 26,6 | 27,1 |
| | 8H | 26,1 | 26,6 | 26,6 | 27,1 | 27,6 | 25,7 | 26,2 | 26,2 | 26,7 | 27,2 |

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

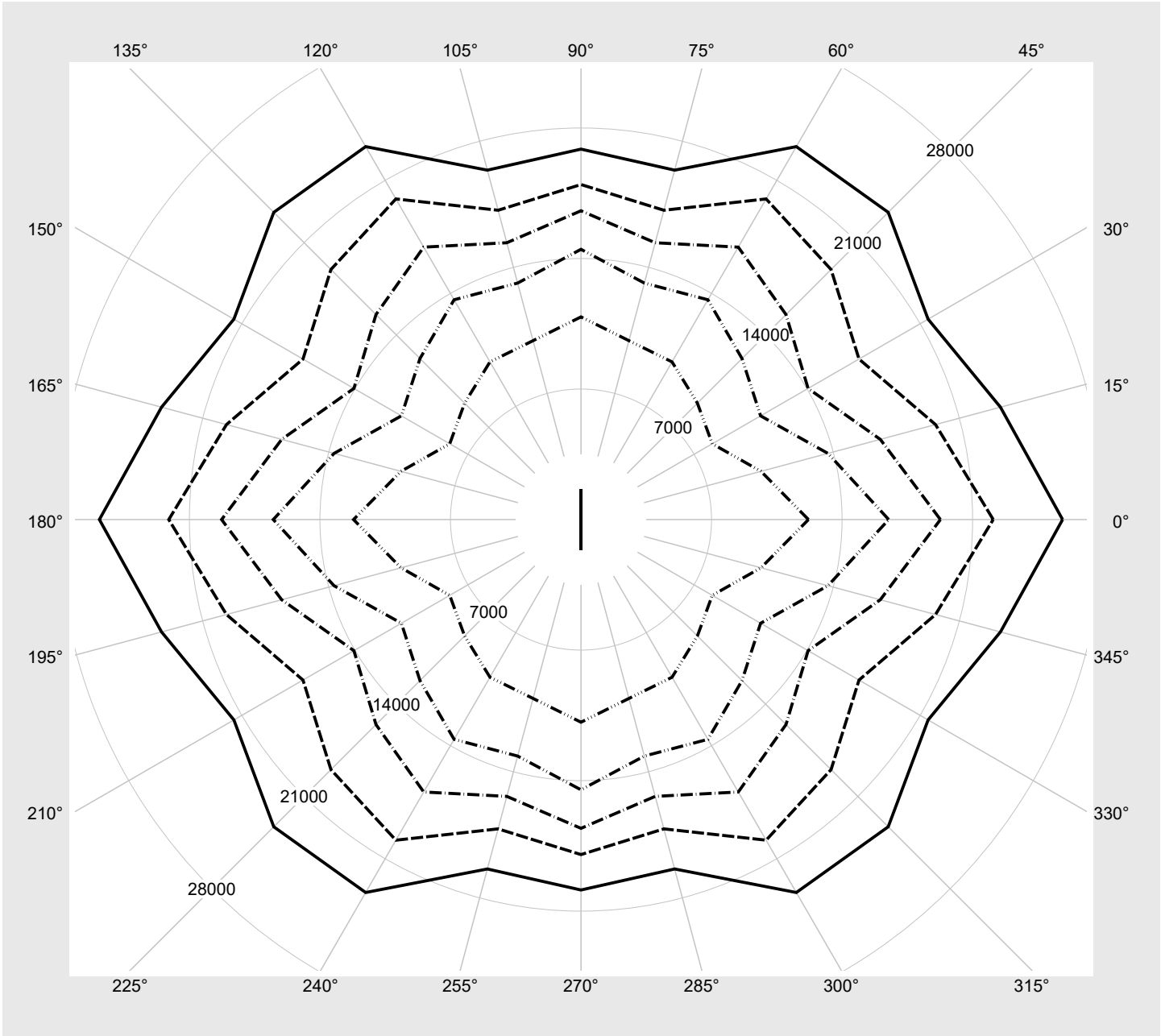
Lichttechnische Abmessungen in mm: L = 1500 B = 58

| 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° | 45° | 48738.0 | 46522.0 | 52468.0 | 52559.9 | 46254.4 | 45652.4 | 47216.2 |
| 50° | 50° | 43219.6 | 40202.0 | 44461.5 | 44314.2 | 37534.1 | 35951.8 | 37129.4 |
| 55° | 55° | 37485.7 | 34176.5 | 35526.9 | 36289.9 | 31425.9 | 28405.2 | 28959.6 |
| 60° | 60° | 31179.8 | 28342.9 | 27488.8 | 29085.3 | 26812.5 | 22902.4 | 23241.7 |
| 65° | 65° | 25826.8 | 23287.3 | 21493.5 | 23301.0 | 23095.4 | 19400.1 | 19866.0 |
| 70° | 70° | 22106.5 | 19682.5 | 17215.1 | 18964.9 | 19855.1 | 17173.6 | 17967.2 |
| 75° | 75° | 19274.3 | 16616.9 | 14062.9 | 15547.7 | 16870.5 | 15369.5 | 16559.5 |
| 80° | 80° | 16502.7 | 13710.2 | 11121.9 | 12211.3 | 13610.8 | 13130.7 | 14493.1 |
| 85° | 85° | 12199.0 | 9993.5 | 8128.4 | 8827.8 | 9764.0 | 9932.4 | 10868.7 |

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



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

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 14030 | 80.6 |
| 95 | 240 | 252 | 13312 | 76.4 |
| 90 | 227 | 250 | 12640 | 72.4 |
| 85 | 213 | 248 | 11908 | 68.1 |
| 80 | 200 | 245 | 11224 | 64.1 |
| 75 | 187 | 243 | 10535 | 60.3 |
| 70 | 174 | 240 | 9842 | 56.4 |
| 65 | 161 | 237 | 9144 | 52.5 |
| 60 | 148 | 234 | 8437 | 48.6 |
| 55 | 135 | 231 | 7728 | 44.8 |
| 50 | 122 | 227 | 7010 | 41.1 |
| 45 | 109 | 223 | 6288 | 37.3 |
| 40 | 97 | 219 | 5614 | 33.8 |
| 35 | 85 | 214 | 4935 | 30.4 |
| 30 | 72 | 208 | 4193 | 26.7 |
| 25 | 60 | 201 | 3505 | 23.3 |
| 20 | 48 | 193 | 2809 | 19.9 |
| 15 | 36 | 182 | 2111 | 16.4 |
| 10 | 24 | 168 | 1407 | 13.0 |
| 5 | 12 | 142 | 696 | 9.7 |
| 2 | 4 | 102 | 219 | 7.4 |