

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD12DN495G3C
EAN: 4058352934623

LP-Nummer
58524_276



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 9980 lm
 Systemleistung = 60.9 W
 Lichtausbeute = 163.9 lm/W

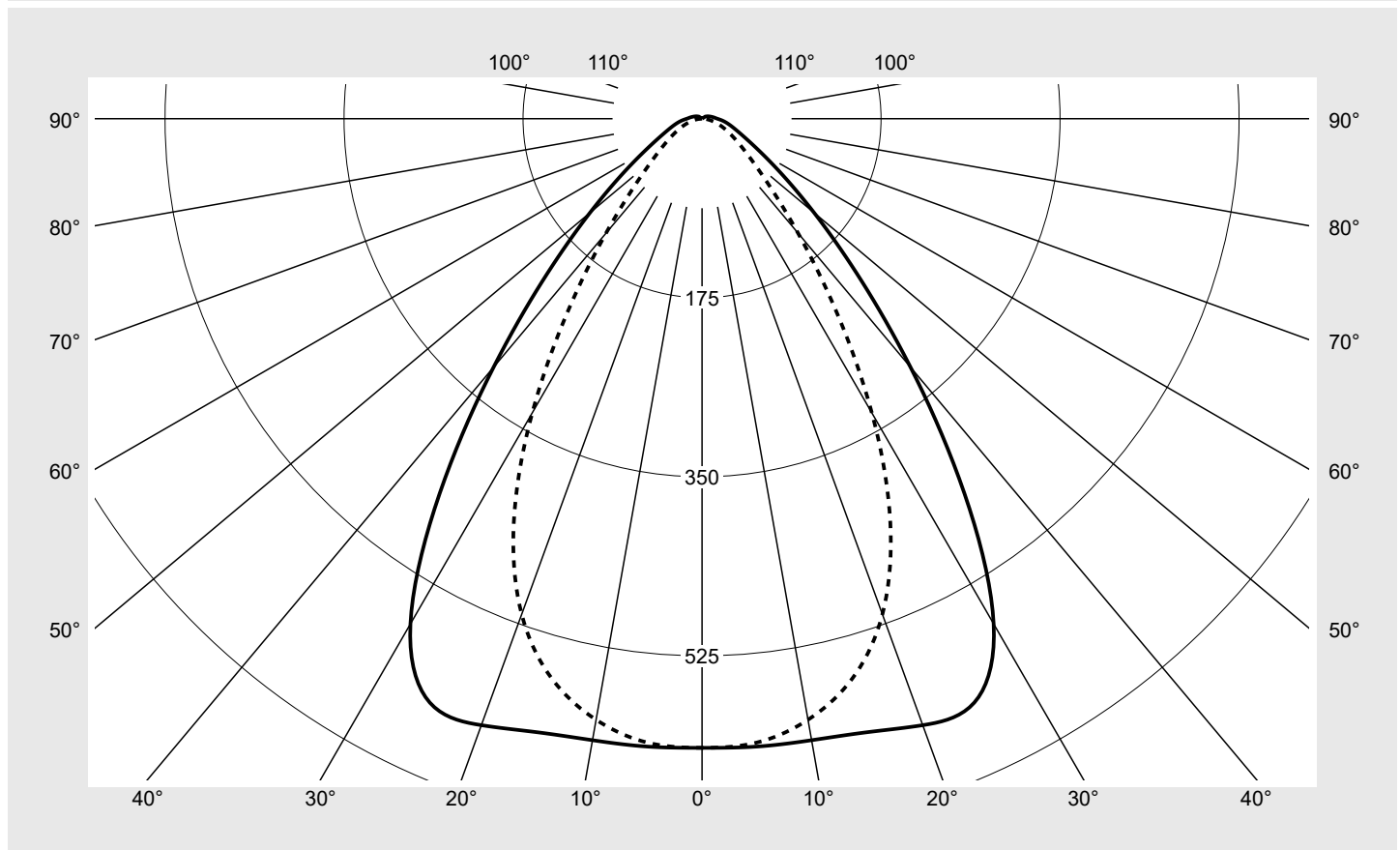
Seriendokumentation
29.09.2023

siteco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 631 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=73 N2=92 N3=98
 N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,6%
 ϕ_o 1,4%

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° | | | |
| Lichtstärke in cd/klm | | | | | | | | Lichtstrom in lm/klm | |
| γ | | | | | | | | | |
| 0° | 615.0 | 615.0 | 615.0 | 615.0 | 615.0 | 615.0 | 615.0 | 3.7 | 3.7 |
| 5° | 616.1 | 614.1 | 609.7 | 611.1 | 612.9 | 611.9 | 612.2 | 29.3 | 32.9 |
| 10° | 616.9 | 615.1 | 606.4 | 602.8 | 600.3 | 597.0 | 596.6 | 57.6 | 90.5 |
| 15° | 620.9 | 617.8 | 600.9 | 587.5 | 576.7 | 568.6 | 566.8 | 83.8 | 174.3 |
| 20° | 630.8 | 623.5 | 591.7 | 561.2 | 536.7 | 520.1 | 515.5 | 106.4 | 280.7 |
| 25° | 629.8 | 620.7 | 576.3 | 523.2 | 476.9 | 445.6 | 435.5 | 122.6 | 403.3 |
| 30° | 570.2 | 568.9 | 534.3 | 469.6 | 398.0 | 348.4 | 331.9 | 126.5 | 529.9 |
| 35° | 447.2 | 456.9 | 450.2 | 394.1 | 307.5 | 246.5 | 227.0 | 114.9 | 644.8 |
| 40° | 317.0 | 331.0 | 344.1 | 303.2 | 220.2 | 163.1 | 146.0 | 93.6 | 738.3 |
| 45° | 213.9 | 226.3 | 244.1 | 214.7 | 147.7 | 105.6 | 94.0 | 70.6 | 808.9 |
| 50° | 143.1 | 152.0 | 166.9 | 144.8 | 97.7 | 70.8 | 64.1 | 51.5 | 860.4 |
| 55° | 96.6 | 102.1 | 111.9 | 95.1 | 64.8 | 49.7 | 46.3 | 37.0 | 897.4 |
| 60° | 67.0 | 69.6 | 74.2 | 63.4 | 44.8 | 36.0 | 34.5 | 26.8 | 924.2 |
| 65° | 49.0 | 49.5 | 50.0 | 42.8 | 32.0 | 26.6 | 25.7 | 19.7 | 943.9 |
| 70° | 37.9 | 37.0 | 34.4 | 29.4 | 23.3 | 19.5 | 18.8 | 14.8 | 958.7 |
| 75° | 30.5 | 28.7 | 24.6 | 20.4 | 16.6 | 13.6 | 12.7 | 11.1 | 969.8 |
| 80° | 24.8 | 22.7 | 18.1 | 14.1 | 11.2 | 8.8 | 7.6 | 8.2 | 978.0 |
| 85° | 19.7 | 17.8 | 13.4 | 9.8 | 7.1 | 4.8 | 3.4 | 5.9 | 983.8 |
| 90° | 14.9 | 13.4 | 9.7 | 6.4 | 4.0 | 1.9 | 0.4 | 3.9 | 987.8 |
| 95° | 12.2 | 11.1 | 8.2 | 5.4 | 3.1 | 1.2 | 0.3 | 3.2 | 991.0 |
| 100° | 10.0 | 9.2 | 6.9 | 4.5 | 2.4 | 0.7 | 0.3 | 2.6 | 993.6 |
| 105° | 8.2 | 7.6 | 5.7 | 3.6 | 1.7 | 0.4 | 0.3 | 2.1 | 995.6 |
| 110° | 6.8 | 6.2 | 4.6 | 2.7 | 1.1 | 0.3 | 0.3 | 1.6 | 997.2 |
| 115° | 5.5 | 5.0 | 3.7 | 2.0 | 0.7 | 0.4 | 0.4 | 1.2 | 998.4 |
| 120° | 4.3 | 3.8 | 2.7 | 1.4 | 0.6 | 0.5 | 0.5 | 0.9 | 999.3 |
| 125° | 3.1 | 2.7 | 1.8 | 0.9 | 0.6 | 0.6 | 0.6 | 0.6 | 1000.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 175° | 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 | 21,3 | 22,7 | 21,6 | 23,0 | 23,3 | 18,0 | 19,4 | 18,4 | 19,7 | 20,1 |
| | 3H | 21,7 | 22,9 | 22,1 | 23,3 | 23,6 | 18,4 | 19,6 | 18,7 | 20,0 | 20,3 |
| | 4H | 21,9 | 23,1 | 22,3 | 23,4 | 23,8 | 18,5 | 19,7 | 18,9 | 20,1 | 20,4 |
| | 6H | 22,2 | 23,3 | 22,6 | 23,6 | 24,0 | 18,6 | 19,7 | 19,0 | 20,1 | 20,5 |
| | 8H | 22,4 | 23,4 | 22,9 | 23,7 | 24,1 | 18,7 | 19,7 | 19,1 | 20,1 | 20,5 |
| | 12H | 22,6 | 23,5 | 23,0 | 23,8 | 24,3 | 18,7 | 19,7 | 19,2 | 20,1 | 20,5 |
| 4H | 2H | 21,3 | 22,5 | 21,7 | 22,9 | 23,2 | 18,5 | 19,7 | 18,9 | 20,0 | 20,4 |
| | 3H | 21,9 | 22,9 | 22,3 | 23,3 | 23,7 | 19,0 | 20,0 | 19,4 | 20,4 | 20,8 |
| | 4H | 22,2 | 23,1 | 22,6 | 23,5 | 23,9 | 19,2 | 20,1 | 19,7 | 20,5 | 21,0 |
| | 6H | 22,6 | 23,4 | 23,1 | 23,8 | 24,3 | 19,4 | 20,2 | 19,9 | 20,6 | 21,1 |
| | 8H | 22,9 | 23,5 | 23,3 | 24,0 | 24,5 | 19,5 | 20,2 | 20,0 | 20,6 | 21,1 |
| | 12H | 23,1 | 23,7 | 23,6 | 24,2 | 24,7 | 19,6 | 20,2 | 20,0 | 20,6 | 21,1 |
| 8H | 4H | 22,2 | 22,9 | 22,7 | 23,4 | 23,8 | 19,5 | 20,1 | 19,9 | 20,6 | 21,1 |
| | 6H | 22,7 | 23,3 | 23,2 | 23,8 | 24,3 | 19,7 | 20,3 | 20,2 | 20,8 | 21,3 |
| | 8H | 23,0 | 23,5 | 23,5 | 24,0 | 24,5 | 19,9 | 20,4 | 20,4 | 20,8 | 21,4 |
| | 12H | 23,4 | 23,8 | 23,9 | 24,3 | 24,9 | 20,0 | 20,4 | 20,5 | 20,9 | 21,4 |
| 12H | 4H | 22,2 | 22,8 | 22,7 | 23,3 | 23,8 | 19,5 | 20,1 | 20,0 | 20,6 | 21,1 |
| | 6H | 22,7 | 23,2 | 23,2 | 23,7 | 24,2 | 19,9 | 20,3 | 20,4 | 20,8 | 21,3 |
| | 8H | 23,1 | 23,5 | 23,6 | 24,0 | 24,5 | 20,0 | 20,4 | 20,5 | 20,9 | 21,4 |

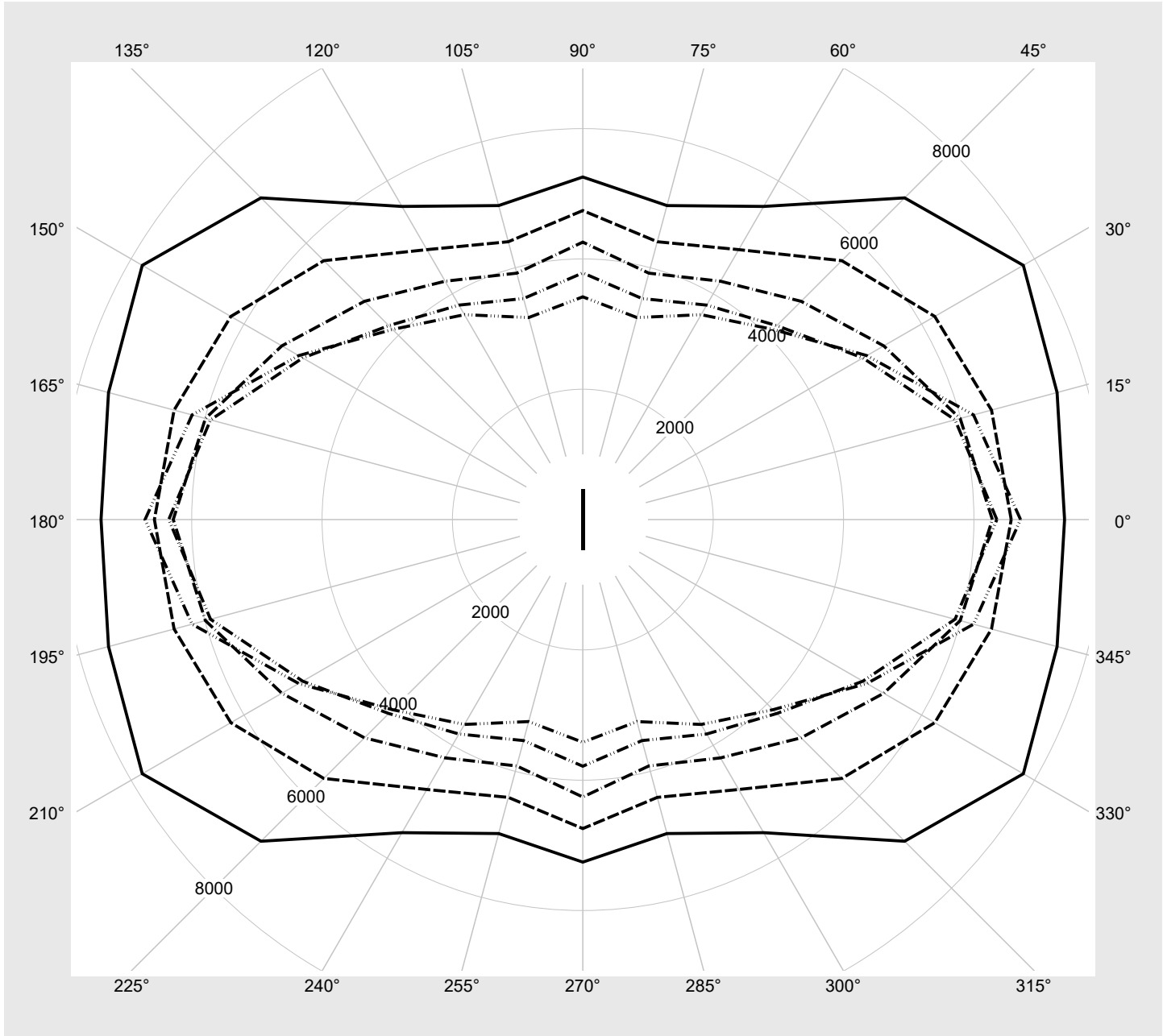
| | | | |
|--|--|------------------------|---------------------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1480, B = 78 | H(C0) = 13, H(C90) = 0 | H(C180) = 13, H(C270) = 0 |
|--|--|------------------------|---------------------------|

| 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° | | 22419.2 | 23827.1 | 26079.1 | 23479.7 | 16666.3 | 12379.1 | 11497.0 | |
| 50° | | 16052.7 | 17153.2 | 19157.6 | 17081.1 | 11953.8 | 9053.3 | 8615.6 | |
| 55° | | 11755.6 | 12507.8 | 13979.7 | 12268.5 | 8728.8 | 7051.2 | 6979.6 | |
| 60° | | 8995.0 | 9409.2 | 10266.7 | 9100.9 | 6762.0 | 5797.9 | 5958.4 | |
| 65° | | 7390.6 | 7532.5 | 7803.3 | 6981.6 | 5548.7 | 4988.7 | 5257.1 | |
| 70° | | 6572.2 | 6491.0 | 6234.7 | 5618.9 | 4783.4 | 4414.2 | 4742.2 | |
| 75° | | 6283.0 | 5993.5 | 5331.2 | 4737.0 | 4223.6 | 3914.8 | 4257.8 | |
| 80° | | 6351.6 | 5912.3 | 4961.1 | 4209.1 | 3800.3 | 3511.6 | 3785.2 | |
| 85° | | 6715.4 | 6205.2 | 5032.3 | 4126.9 | 3630.9 | 3209.5 | 3418.2 | |

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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 | 9980 | 60.9 |
| 95 | 240 | 252 | 9474 | 57.6 |
| 90 | 226 | 250 | 8964 | 54.5 |
| 85 | 213 | 248 | 8483 | 51.5 |
| 80 | 200 | 245 | 8000 | 48.6 |
| 75 | 186 | 243 | 7475 | 45.5 |
| 70 | 173 | 240 | 6982 | 42.5 |
| 65 | 160 | 237 | 6485 | 39.7 |
| 60 | 147 | 234 | 5984 | 36.8 |
| 55 | 134 | 231 | 5480 | 33.9 |
| 50 | 122 | 227 | 5007 | 31.3 |
| 45 | 109 | 223 | 4493 | 28.5 |
| 40 | 96 | 218 | 3975 | 25.8 |
| 35 | 84 | 213 | 3492 | 23.3 |
| 30 | 72 | 208 | 3002 | 20.8 |
| 25 | 60 | 201 | 2512 | 18.3 |
| 20 | 47 | 192 | 1975 | 15.5 |
| 15 | 36 | 182 | 1517 | 13.2 |
| 10 | 24 | 168 | 1013 | 10.7 |
| 5 | 12 | 142 | 503 | 8.3 |
| 2 | 4 | 102 | 162 | 6.8 |