

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL11DN4E5S
EAN: 4058352890585

LP-Nummer
58784_245



Ausführung Abdeckung satiniert, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14970 lm
 Systemleistung = 84.6 W
 Lichtausbeute = 177 lm/W

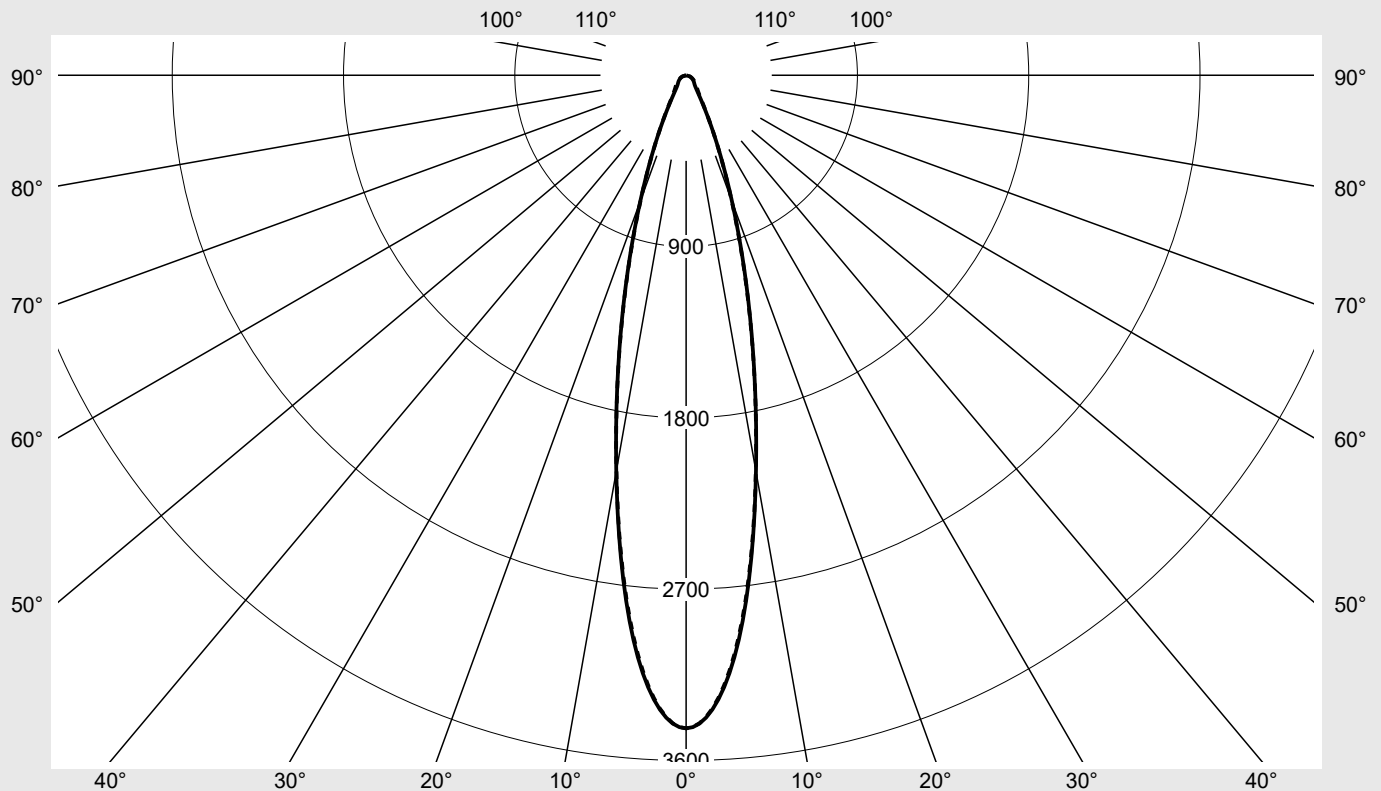
Seriendokumentation
03.08.2023

siteco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 3431 cd/klm



Klassifizierungen

DIN 5040 A 7 0
 CIE N1=87 N2=95 N3=99
 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° | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 20.5 | 20.5 |
| 5° | 3030.0 | 3009.9 | 2995.2 | 3008.4 | 3015.8 | 3015.7 | 3017.5 | 143.9 | 164.4 |
| 10° | 2113.5 | 2098.5 | 2092.1 | 2104.8 | 2111.9 | 2109.7 | 2109.2 | 200.3 | 364.7 |
| 15° | 1287.2 | 1281.7 | 1283.9 | 1294.7 | 1294.7 | 1286.2 | 1283.2 | 182.7 | 547.4 |
| 20° | 703.4 | 705.4 | 717.6 | 726.5 | 719.3 | 702.5 | 697.3 | 133.5 | 680.9 |
| 25° | 354.0 | 358.8 | 370.9 | 376.0 | 367.5 | 355.6 | 354.0 | 84.3 | 765.2 |
| 30° | 176.2 | 179.2 | 185.6 | 185.7 | 179.6 | 178.8 | 183.6 | 49.7 | 814.9 |
| 35° | 102.4 | 102.6 | 103.9 | 102.5 | 99.6 | 107.7 | 116.7 | 32.8 | 847.7 |
| 40° | 73.1 | 72.4 | 71.7 | 70.6 | 70.7 | 80.9 | 90.2 | 26.3 | 874.0 |
| 45° | 60.7 | 58.7 | 57.0 | 56.9 | 57.9 | 66.7 | 75.5 | 23.6 | 897.6 |
| 50° | 52.7 | 51.5 | 51.2 | 50.6 | 50.0 | 56.0 | 63.2 | 22.2 | 919.8 |
| 55° | 44.8 | 43.4 | 45.4 | 45.0 | 43.0 | 46.3 | 51.7 | 20.3 | 940.1 |
| 60° | 37.3 | 36.1 | 38.2 | 39.8 | 37.2 | 38.0 | 41.8 | 18.1 | 958.2 |
| 65° | 29.8 | 28.9 | 31.0 | 34.0 | 31.7 | 30.7 | 33.0 | 15.5 | 973.8 |
| 70° | 21.9 | 21.7 | 22.9 | 26.9 | 25.3 | 23.3 | 24.3 | 12.3 | 986.1 |
| 75° | 12.2 | 12.7 | 14.5 | 18.5 | 17.7 | 15.7 | 16.0 | 8.2 | 994.3 |
| 80° | 5.5 | 5.6 | 6.4 | 9.0 | 10.0 | 8.8 | 8.6 | 4.2 | 998.5 |
| 85° | 2.2 | 2.1 | 2.4 | 3.2 | 3.5 | 3.4 | 3.0 | 1.6 | 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 | siteco | | | | | | | | |
|--------------------|---------------------|---------------|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | |
|----------------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Reflexionsgrad Decke | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 | |
| Reflexionsgrad Wände | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 | |
| Reflexionsgrad Boden | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | |
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 17,4 | 18,5 | 17,8 | 18,8 | 19,2 | 17,8 | 18,9 | 18,1 | 19,2 | 19,5 |
| | 3H | 18,8 | 19,7 | 19,1 | 20,1 | 20,4 | 19,2 | 20,2 | 19,6 | 20,5 | 20,9 |
| | 4H | 19,1 | 20,0 | 19,5 | 20,4 | 20,8 | 19,7 | 20,6 | 20,1 | 21,0 | 21,4 |
| | 6H | 19,3 | 20,1 | 19,7 | 20,5 | 20,9 | 20,0 | 20,9 | 20,5 | 21,2 | 21,6 |
| | 8H | 19,4 | 20,1 | 19,8 | 20,5 | 20,9 | 20,2 | 20,9 | 20,6 | 21,3 | 21,7 |
| | 12H | 19,4 | 20,0 | 19,8 | 20,4 | 20,8 | 20,2 | 20,9 | 20,7 | 21,3 | 21,7 |
| 4H | 2H | 18,1 | 19,1 | 18,5 | 19,4 | 19,8 | 18,4 | 19,4 | 18,8 | 19,7 | 20,1 |
| | 3H | 19,6 | 20,4 | 20,1 | 20,8 | 21,2 | 20,0 | 20,8 | 20,5 | 21,2 | 21,6 |
| | 4H | 20,1 | 20,7 | 20,5 | 21,2 | 21,6 | 20,7 | 21,3 | 21,1 | 21,8 | 22,2 |
| | 6H | 20,3 | 20,8 | 20,7 | 21,3 | 21,7 | 21,1 | 21,6 | 21,5 | 22,1 | 22,5 |
| | 8H | 20,3 | 20,8 | 20,8 | 21,3 | 21,8 | 21,2 | 21,7 | 21,7 | 22,1 | 22,6 |
| | 12H | 20,3 | 20,8 | 20,8 | 21,2 | 21,7 | 21,2 | 21,7 | 21,7 | 22,1 | 22,6 |
| 8H | 4H | 20,4 | 20,9 | 20,9 | 21,4 | 21,8 | 20,9 | 21,4 | 21,4 | 21,9 | 22,4 |
| | 6H | 20,7 | 21,1 | 21,2 | 21,5 | 22,1 | 21,5 | 21,9 | 22,0 | 22,4 | 22,9 |
| | 8H | 20,7 | 21,1 | 21,2 | 21,5 | 22,1 | 21,6 | 22,0 | 22,1 | 22,5 | 23,0 |
| | 12H | 20,7 | 21,0 | 21,2 | 21,5 | 22,1 | 21,7 | 22,0 | 22,2 | 22,5 | 23,1 |
| 12H | 4H | 20,4 | 20,9 | 20,9 | 21,3 | 21,8 | 20,9 | 21,4 | 21,4 | 21,8 | 22,3 |
| | 6H | 20,7 | 21,0 | 21,2 | 21,5 | 22,1 | 21,4 | 21,8 | 22,0 | 22,3 | 22,8 |
| | 8H | 20,7 | 21,1 | 21,3 | 21,6 | 22,1 | 21,6 | 21,9 | 22,2 | 22,5 | 23,0 |

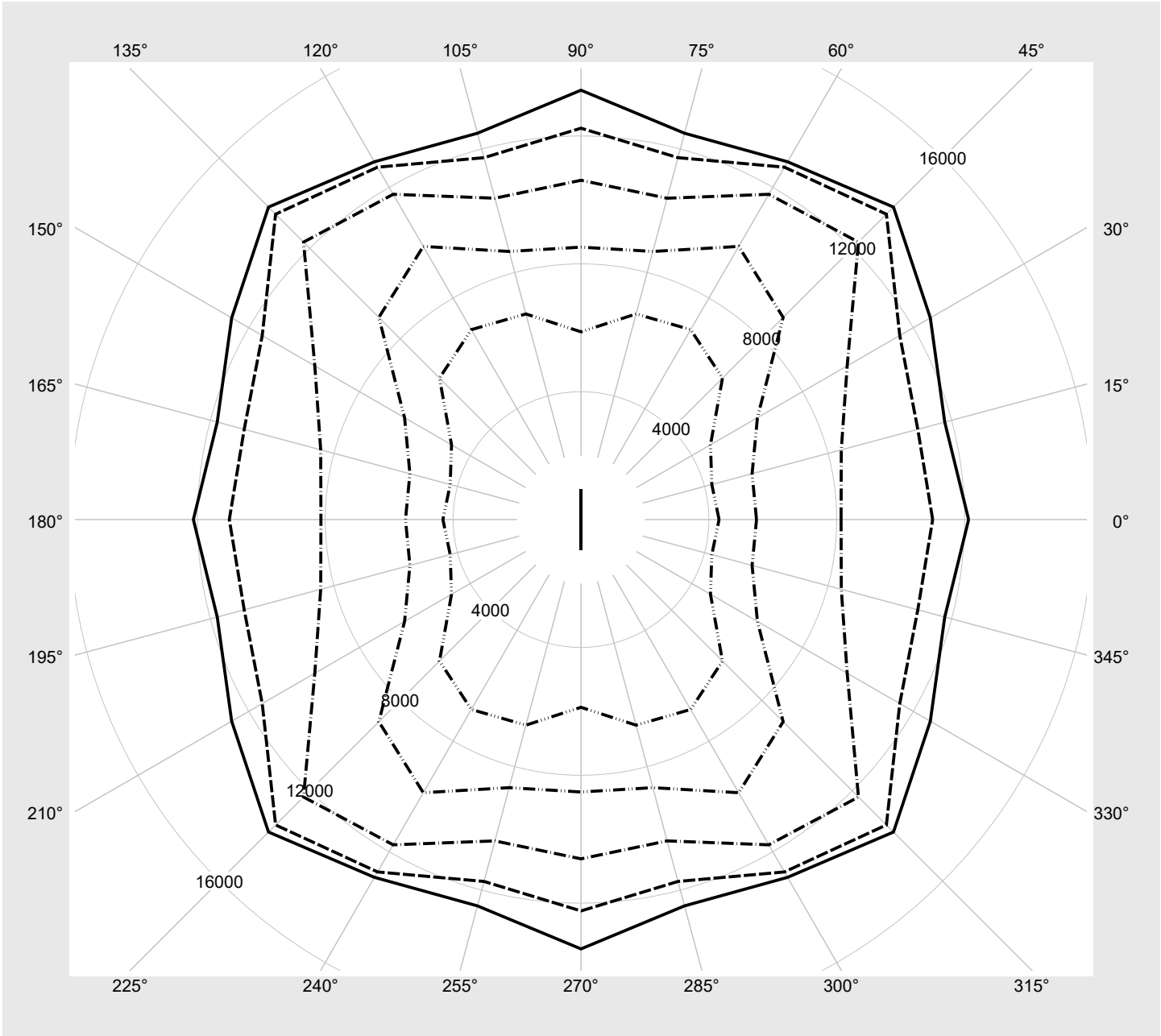
| | | | | |
|------------------------------|---|---|-----------------|---------------|
| Leuchtdichten-Tabelle | Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: | L = 1500 | B = 58 |
|------------------------------|---|---|-----------------|---------------|

| 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° | | 14774.5 | 14289.8 | 13878.8 | 13841.8 | 14088.3 | 16224.8 | 18381.8 | |
| 50° | | 14119.7 | 13793.4 | 13718.1 | 13552.4 | 13376.0 | 14994.2 | 16921.9 | |
| 55° | | 13452.9 | 13032.0 | 13628.1 | 13505.7 | 12906.3 | 13901.7 | 15503.3 | |
| 60° | | 12835.3 | 12416.2 | 13134.4 | 13690.5 | 12813.6 | 13077.6 | 14398.4 | |
| 65° | | 12126.1 | 11780.5 | 12618.4 | 13824.8 | 12924.6 | 12512.5 | 13432.3 | |
| 70° | | 11001.7 | 10907.6 | 11514.9 | 13511.1 | 12729.3 | 11721.1 | 12243.8 | |
| 75° | | 8136.1 | 8430.0 | 9615.3 | 12275.3 | 11750.1 | 10407.8 | 10614.6 | |
| 80° | | 5490.6 | 5541.1 | 6372.5 | 8943.9 | 9867.4 | 8683.3 | 8522.8 | |
| 85° | | 4319.7 | 4236.8 | 4677.0 | 6260.4 | 6860.6 | 6659.2 | 5873.5 | |

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



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| Familie Licross® 21 Recessed | Bestell-Nr.: 52TL11DN4E5S EAN: 4058352890585 | LP-Nummer 58784_245 |
| Dimmstufen-Tabelle | | Umgebungstemperatur: 25°C |



| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 14970 | 84.6 |
| 95 | 240 | 252 | 14218 | 80.0 |
| 90 | 226 | 250 | 13456 | 75.2 |
| 85 | 213 | 248 | 12744 | 71.0 |
| 80 | 199 | 245 | 11965 | 66.3 |
| 75 | 186 | 243 | 11230 | 62.0 |
| 70 | 173 | 240 | 10491 | 57.8 |
| 65 | 160 | 237 | 9741 | 53.6 |
| 60 | 147 | 234 | 8988 | 49.3 |
| 55 | 134 | 231 | 8227 | 45.1 |
| 50 | 122 | 227 | 7513 | 41.2 |
| 45 | 109 | 223 | 6737 | 37.1 |
| 40 | 97 | 219 | 6016 | 33.2 |
| 35 | 84 | 213 | 5222 | 29.1 |
| 30 | 72 | 208 | 4488 | 25.4 |
| 25 | 60 | 201 | 3748 | 21.6 |
| 20 | 48 | 193 | 3000 | 17.8 |
| 15 | 36 | 182 | 2250 | 14.0 |
| 10 | 24 | 168 | 1495 | 10.2 |
| 5 | 12 | 142 | 732 | 6.5 |
| 1 | 4 | 102 | 223 | 4.1 |