

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TE10DN4AXG
EAN: 4058352889268

LP-Nummer
58684_66



Ausführung Abdeckung satiniert
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 10000 lm
 Systemleistung = 58.0 W
 Lichtausbeute = 172.4 lm/W

Seriendokumentation
03.08.2023

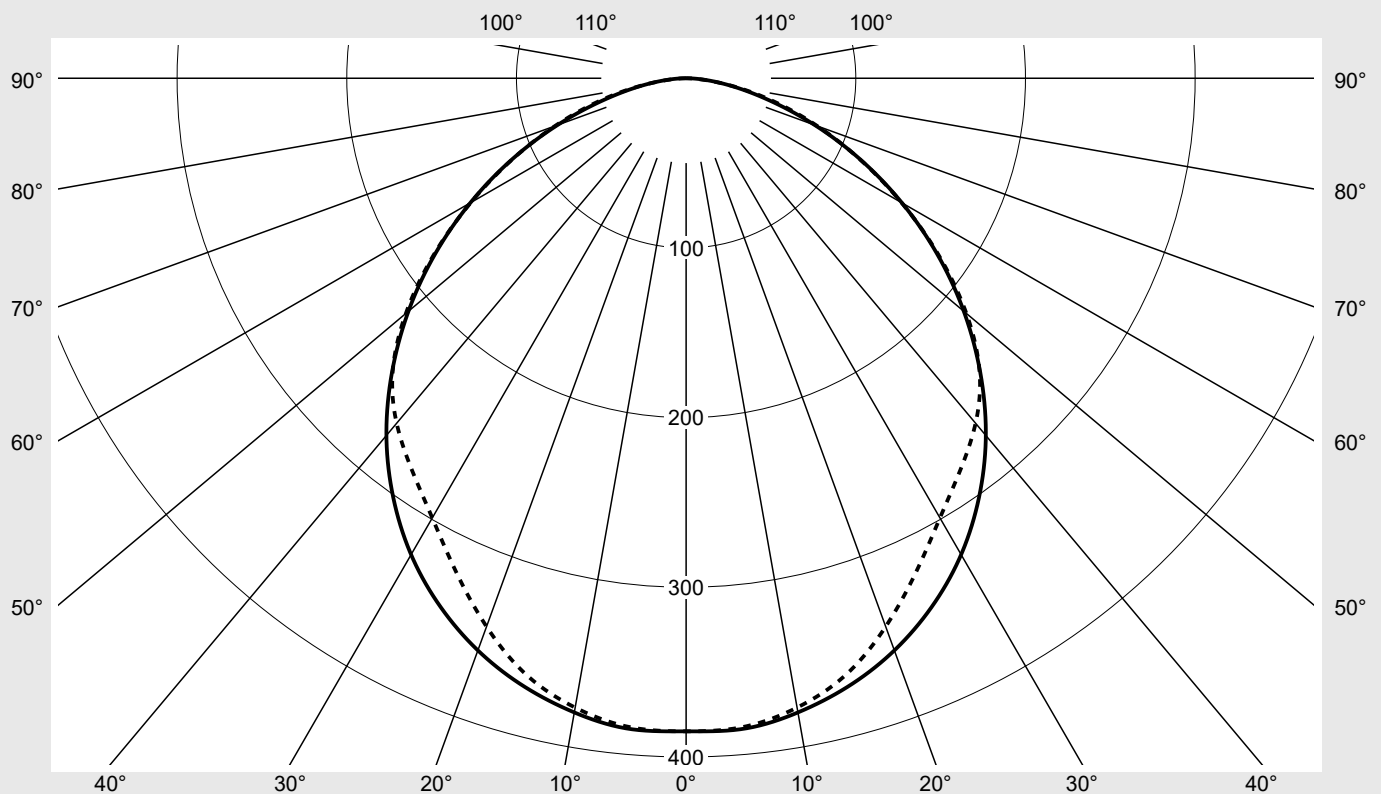
sitEco

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

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° | 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 | | | | | | | | | |
|----------------------|-----------|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| Raumabmessungen | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 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 | |
| 2H | 2H | 24,7 | 26,3 | 25,0 | 26,6 | 27,0 | 24,7 | 26,4 | 25,1 | 26,7 | 27,0 |
| | 3H | 26,0 | 27,5 | 26,4 | 27,8 | 28,2 | 26,1 | 27,6 | 26,5 | 27,9 | 28,3 |
| | 4H | 26,5 | 27,9 | 26,9 | 28,2 | 28,6 | 26,6 | 28,0 | 27,0 | 28,3 | 28,7 |
| | 6H | 26,8 | 28,1 | 27,2 | 28,4 | 28,8 | 26,9 | 28,2 | 27,3 | 28,6 | 29,0 |
| | 8H | 26,9 | 28,1 | 27,3 | 28,5 | 28,9 | 27,1 | 28,3 | 27,5 | 28,7 | 29,1 |
| | 12H | 27,0 | 28,1 | 27,4 | 28,5 | 28,9 | 27,1 | 28,3 | 27,5 | 28,6 | 29,1 |
| 4H | 2H | 25,4 | 26,8 | 25,8 | 27,1 | 27,5 | 25,4 | 26,8 | 25,8 | 27,2 | 27,5 |
| | 3H | 26,9 | 28,1 | 27,3 | 28,5 | 28,9 | 27,0 | 28,2 | 27,4 | 28,6 | 29,0 |
| | 4H | 27,5 | 28,5 | 27,9 | 28,9 | 29,4 | 27,6 | 28,7 | 28,1 | 29,1 | 29,5 |
| | 6H | 27,9 | 28,8 | 28,3 | 29,2 | 29,7 | 28,1 | 29,0 | 28,5 | 29,4 | 29,9 |
| | 8H | 28,0 | 28,9 | 28,5 | 29,3 | 29,8 | 28,2 | 29,1 | 28,7 | 29,5 | 30,0 |
| | 12H | 28,1 | 28,9 | 28,6 | 29,3 | 29,8 | 28,3 | 29,0 | 28,8 | 29,5 | 30,0 |
| 8H | 4H | 27,8 | 28,6 | 28,3 | 29,1 | 29,6 | 27,9 | 28,8 | 28,4 | 29,2 | 29,7 |
| | 6H | 28,3 | 29,0 | 28,8 | 29,5 | 30,0 | 28,5 | 29,2 | 29,0 | 29,7 | 30,2 |
| | 8H | 28,5 | 29,1 | 29,0 | 29,6 | 30,1 | 28,7 | 29,3 | 29,2 | 29,8 | 30,3 |
| | 12H | 28,6 | 29,1 | 29,1 | 29,6 | 30,2 | 28,8 | 29,3 | 29,3 | 29,8 | 30,4 |
| 12H | 4H | 27,8 | 28,6 | 28,3 | 29,1 | 29,5 | 28,0 | 28,7 | 28,4 | 29,2 | 29,7 |
| | 6H | 28,4 | 29,0 | 28,9 | 29,5 | 30,0 | 28,6 | 29,2 | 29,1 | 29,7 | 30,2 |
| | 8H | 28,6 | 29,1 | 29,1 | 29,6 | 30,1 | 28,8 | 29,3 | 29,3 | 29,8 | 30,3 |

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

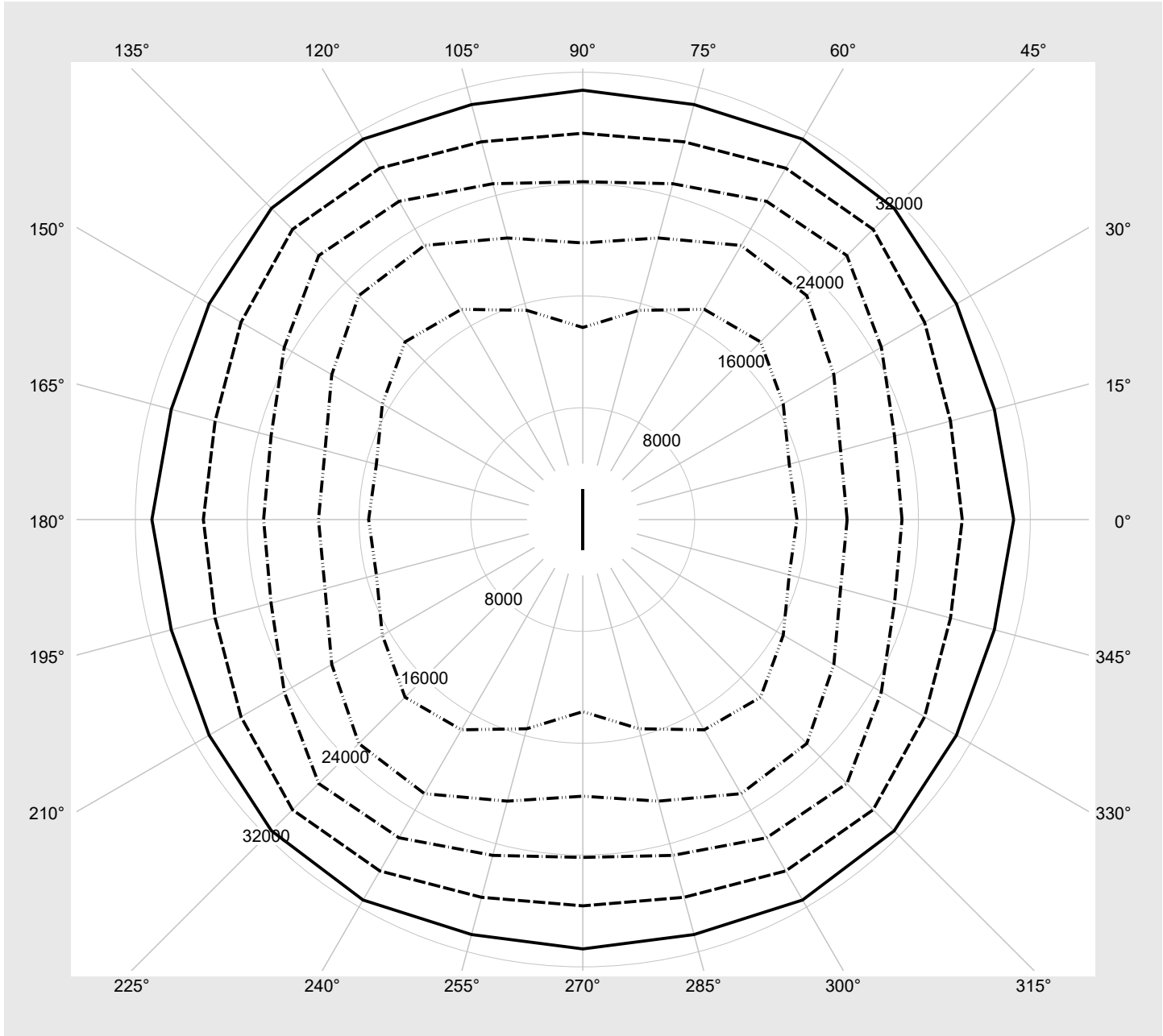
Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

| 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° | | 39854.5 | 39315.8 | 37694.2 | 37250.4 | 38215.0 | 39114.7 | 39759.7 |
| 50° | | 38204.1 | 37468.4 | 36172.9 | 36238.0 | 37279.6 | 37943.7 | 38555.7 |
| 55° | | 36203.8 | 35386.6 | 34576.8 | 34941.5 | 35685.8 | 35926.4 | 36408.2 |
| 60° | | 33764.1 | 33086.0 | 32834.9 | 33362.3 | 33646.9 | 33437.5 | 33697.0 |
| 65° | | 30816.1 | 30469.6 | 30855.8 | 31489.5 | 31430.2 | 30737.0 | 30717.1 |
| 70° | | 27136.6 | 27222.3 | 28224.5 | 29362.4 | 29028.7 | 27978.8 | 27636.0 |
| 75° | | 22827.8 | 23080.1 | 24653.5 | 26710.2 | 26288.3 | 24873.4 | 24169.9 |
| 80° | | 18904.0 | 19084.7 | 20730.9 | 22656.5 | 22644.5 | 20856.0 | 19791.0 |
| 85° | | 15316.7 | 15283.8 | 16551.2 | 17976.8 | 17368.8 | 15494.8 | 13742.1 |

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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 | 10000 | 58.0 |
| 95 | 240 | 252 | 9497 | 54.8 |
| 90 | 226 | 250 | 8987 | 51.5 |
| 85 | 213 | 248 | 8507 | 48.7 |
| 80 | 199 | 245 | 7987 | 45.5 |
| 75 | 186 | 243 | 7496 | 42.6 |
| 70 | 173 | 240 | 7002 | 39.6 |
| 65 | 160 | 237 | 6505 | 36.8 |
| 60 | 147 | 234 | 6002 | 33.9 |
| 55 | 134 | 231 | 5493 | 31.0 |
| 50 | 122 | 227 | 5019 | 28.4 |
| 45 | 109 | 223 | 4501 | 25.5 |
| 40 | 97 | 219 | 4020 | 22.9 |
| 35 | 84 | 213 | 3493 | 20.1 |
| 30 | 72 | 208 | 3002 | 17.5 |
| 25 | 60 | 201 | 2507 | 15.0 |
| 20 | 48 | 193 | 2009 | 12.3 |
| 15 | 36 | 182 | 1508 | 9.7 |
| 10 | 24 | 168 | 1003 | 7.2 |
| 5 | 12 | 142 | 495 | 4.6 |
| 2 | 4 | 102 | 154 | 3.0 |