

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DV4L2M3S4
EAN: 4058352908303

LP-Nummer
59446_66



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Notlichtbetrieb: 3 h

Bemessungswerte Nettolichtstrom = 910 lm
Systemleistung = 6.4 W
Lichtausbeute = 142.2 lm/W

Seriendokumentation
17.08.2023

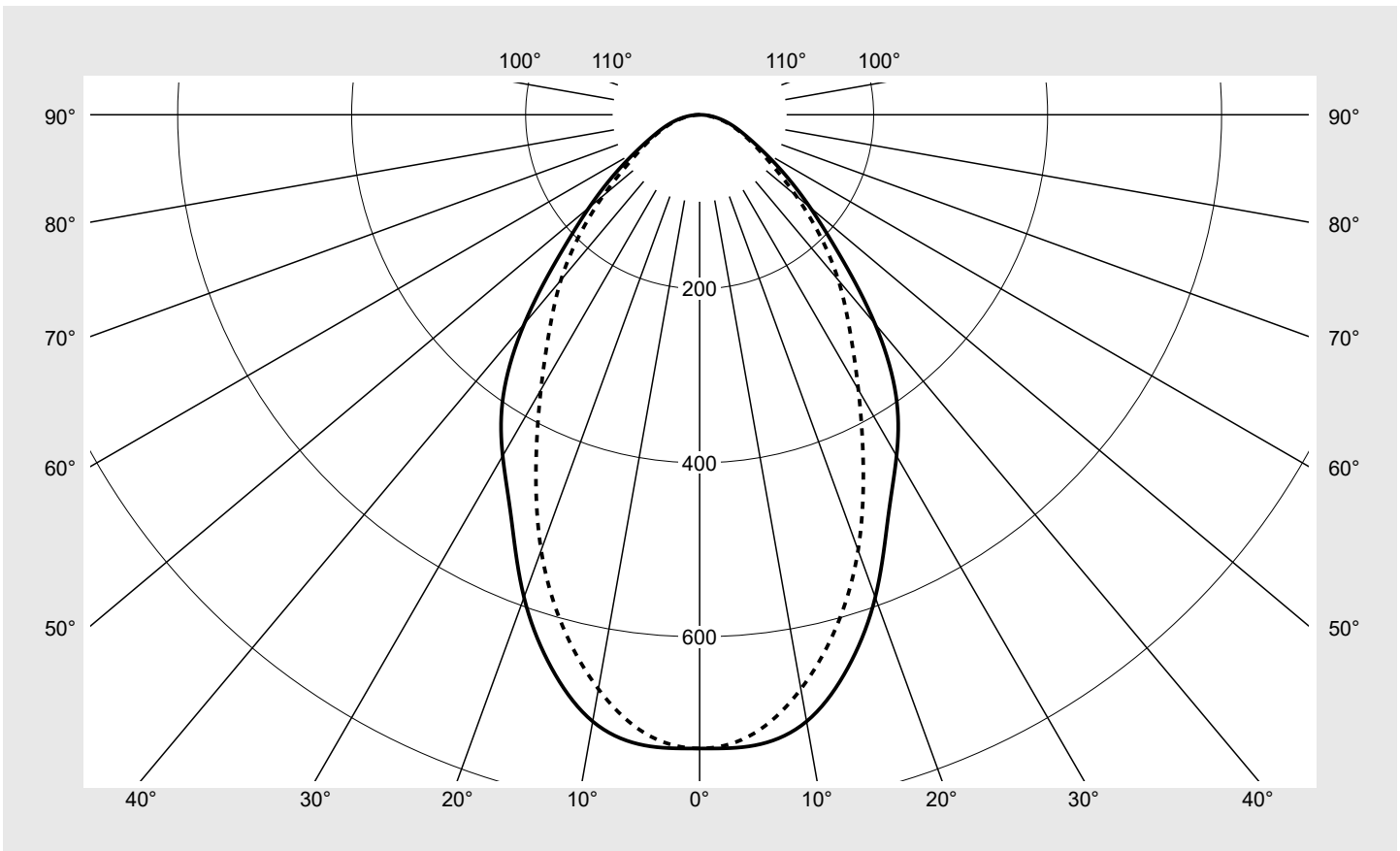
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=69 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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| 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° | 728.4 | 728.4 | 728.4 | 728.4 | 728.4 | 728.4 | 728.4 | 4.4 | 4.4 |
| 5° | 727.5 | 724.8 | 717.6 | 716.9 | 716.5 | 714.4 | 713.9 | 34.3 | 38.7 |
| 10° | 708.0 | 704.6 | 693.5 | 687.1 | 680.0 | 672.5 | 670.2 | 65.5 | 104.1 |
| 15° | 658.1 | 653.2 | 637.7 | 629.5 | 623.7 | 612.7 | 608.6 | 89.6 | 193.8 |
| 20° | 590.3 | 582.5 | 562.9 | 551.9 | 546.6 | 538.5 | 532.6 | 104.5 | 298.2 |
| 25° | 512.2 | 499.8 | 475.2 | 461.5 | 453.8 | 449.4 | 445.1 | 108.8 | 407.1 |
| 30° | 452.8 | 433.7 | 396.2 | 371.8 | 363.4 | 365.0 | 364.9 | 106.8 | 513.9 |
| 35° | 393.4 | 374.1 | 335.3 | 295.7 | 285.6 | 295.2 | 300.5 | 101.3 | 615.2 |
| 40° | 313.5 | 300.8 | 276.8 | 238.3 | 224.4 | 239.2 | 248.1 | 91.6 | 706.8 |
| 45° | 227.2 | 217.7 | 208.5 | 191.4 | 176.2 | 187.2 | 194.9 | 77.0 | 783.8 |
| 50° | 165.8 | 151.3 | 143.3 | 147.8 | 138.9 | 142.4 | 144.5 | 61.5 | 845.3 |
| 55° | 119.7 | 105.2 | 93.7 | 108.9 | 109.4 | 104.2 | 103.2 | 47.4 | 892.7 |
| 60° | 84.3 | 73.0 | 63.0 | 78.5 | 83.8 | 75.4 | 76.1 | 35.9 | 928.6 |
| 65° | 60.6 | 51.5 | 43.5 | 55.3 | 61.5 | 55.5 | 56.9 | 27.0 | 955.6 |
| 70° | 44.8 | 36.9 | 29.5 | 37.3 | 40.5 | 40.0 | 42.0 | 19.5 | 975.1 |
| 75° | 31.9 | 25.4 | 19.2 | 23.6 | 27.6 | 27.0 | 29.3 | 13.5 | 988.6 |
| 80° | 20.2 | 15.5 | 11.1 | 12.8 | 15.3 | 15.6 | 17.2 | 8.0 | 996.7 |
| 85° | 9.4 | 7.2 | 4.9 | 5.0 | 5.8 | 6.0 | 6.3 | 3.3 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 12,6 | 14,0 | 12,9 | 14,3 | 14,7 | 12,2 | 13,6 | 12,6 | 14,0 | 14,3 |
| | 3H | 13,3 | 14,6 | 13,6 | 14,9 | 15,2 | 13,0 | 14,3 | 13,4 | 14,6 | 15,0 |
| | 4H | 13,6 | 14,8 | 14,0 | 15,2 | 15,5 | 13,4 | 14,6 | 13,8 | 14,9 | 15,3 |
| | 6H | 13,9 | 15,0 | 14,4 | 15,4 | 15,8 | 13,6 | 14,7 | 14,1 | 15,1 | 15,5 |
| | 8H | 14,1 | 15,1 | 14,6 | 15,5 | 15,9 | 13,8 | 14,8 | 14,2 | 15,2 | 15,6 |
| | 12H | 14,2 | 15,1 | 14,7 | 15,5 | 16,0 | 13,8 | 14,8 | 14,3 | 15,1 | 15,6 |
| 4H | 2H | 12,9 | 14,1 | 13,3 | 14,4 | 14,8 | 12,6 | 13,8 | 13,0 | 14,1 | 14,5 |
| | 3H | 13,6 | 14,6 | 14,0 | 15,0 | 15,4 | 13,6 | 14,6 | 14,0 | 15,0 | 15,4 |
| | 4H | 14,0 | 14,9 | 14,5 | 15,3 | 15,8 | 14,0 | 14,9 | 14,5 | 15,3 | 15,8 |
| | 6H | 14,4 | 15,2 | 14,9 | 15,6 | 16,1 | 14,4 | 15,1 | 14,8 | 15,6 | 16,0 |
| | 8H | 14,6 | 15,3 | 15,1 | 15,7 | 16,2 | 14,5 | 15,2 | 15,0 | 15,6 | 16,1 |
| | 12H | 14,8 | 15,4 | 15,3 | 15,8 | 16,3 | 14,6 | 15,2 | 15,1 | 15,7 | 16,2 |
| 8H | 4H | 14,1 | 14,8 | 14,6 | 15,3 | 15,7 | 14,1 | 14,8 | 14,6 | 15,3 | 15,7 |
| | 6H | 14,6 | 15,1 | 15,0 | 15,6 | 16,1 | 14,6 | 15,1 | 15,1 | 15,6 | 16,1 |
| | 8H | 14,8 | 15,3 | 15,3 | 15,7 | 16,3 | 14,7 | 15,2 | 15,2 | 15,7 | 16,2 |
| | 12H | 15,0 | 15,4 | 15,5 | 15,9 | 16,4 | 14,9 | 15,3 | 15,4 | 15,8 | 16,3 |
| 12H | 4H | 14,2 | 14,7 | 14,6 | 15,2 | 15,7 | 14,2 | 14,7 | 14,6 | 15,2 | 15,7 |
| | 6H | 14,6 | 15,1 | 15,1 | 15,6 | 16,1 | 14,6 | 15,1 | 15,1 | 15,6 | 16,1 |
| | 8H | 14,8 | 15,2 | 15,3 | 15,7 | 16,3 | 14,8 | 15,2 | 15,3 | 15,7 | 16,2 |

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

Lichttechnische Abmessungen in mm: L = 2250, B = 58

| C-Ebenen | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° |
|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| γ | Leuchtdichte in cd/m ² | | | | | | |
| 45° | 2241.0 | 2146.8 | 2056.2 | 1887.8 | 1737.8 | 1845.6 | 1921.7 |
| 50° | 1799.0 | 1641.2 | 1554.5 | 1602.9 | 1507.3 | 1544.6 | 1567.1 |
| 55° | 1455.6 | 1279.5 | 1139.3 | 1324.1 | 1330.5 | 1266.7 | 1254.8 |
| 60° | 1176.3 | 1017.7 | 878.3 | 1094.6 | 1168.3 | 1051.6 | 1061.8 |
| 65° | 999.5 | 849.7 | 717.3 | 912.6 | 1015.1 | 916.4 | 939.2 |
| 70° | 912.7 | 752.9 | 600.6 | 761.3 | 826.7 | 814.5 | 857.0 |
| 75° | 859.4 | 683.7 | 517.6 | 636.2 | 743.4 | 727.7 | 789.7 |
| 80° | 812.3 | 623.8 | 446.5 | 513.6 | 613.2 | 625.8 | 690.8 |
| 85° | 753.1 | 575.9 | 388.6 | 402.8 | 464.9 | 478.6 | 504.0 |

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Leuchtdichten in cd/m²

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

siteco

