

Lichttechnischer Prüfbefund

Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL12DN4FXM3S

EAN: 4058352908167

LP-Nummer

59446_68



Ausführung

Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung

LED 4000 K | CRI ≥ 80

Betriebsgerät

EVG-DALI

Einstellung

Notlichtbetrieb: 3 h

Bemessungswerte

Nettolichtstrom = 930 lm

Systemleistung = 7.5 W

Lichtausbeute = 124 lm/W

Serien dokumentation

17.08.2023

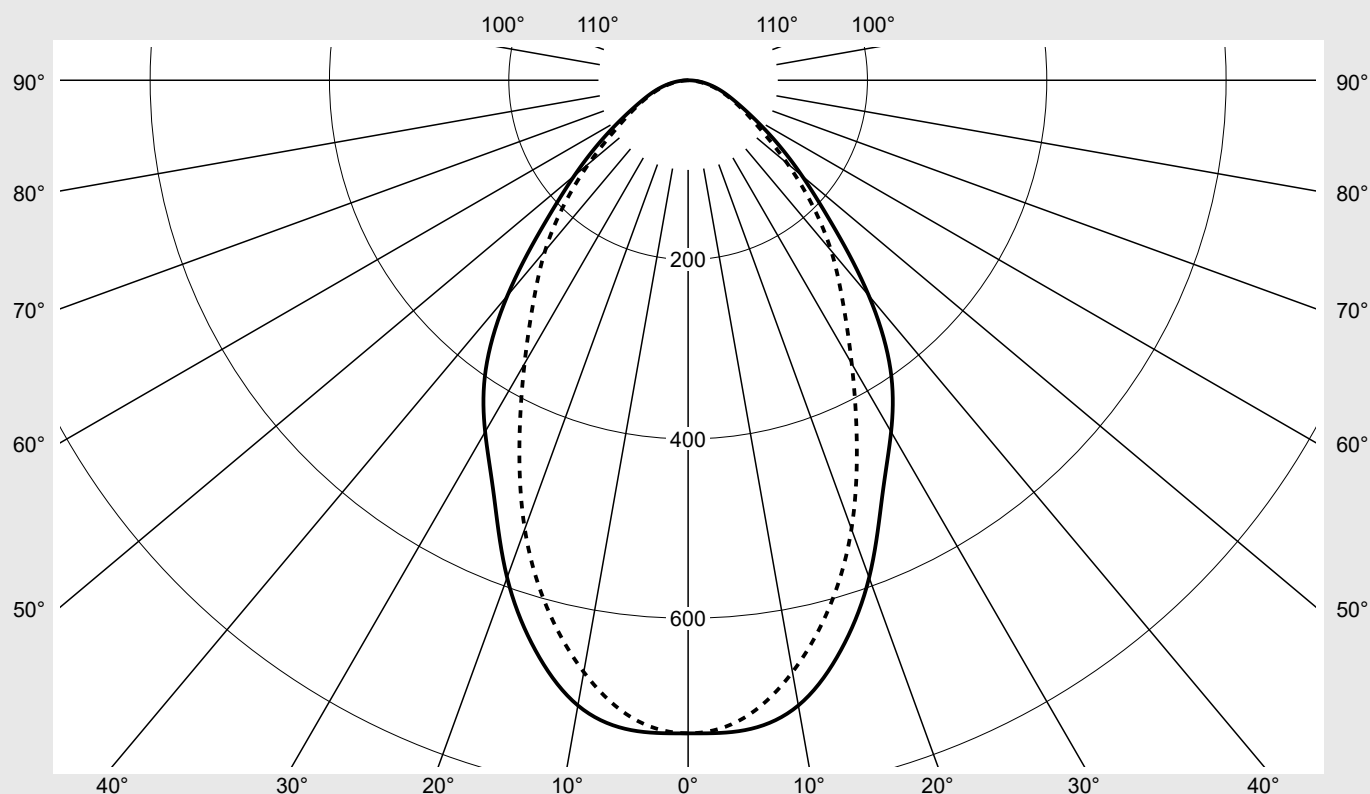
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Lichtstärke in cd/klm

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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| | | |
|---|---|-------------------------------------|
| Familie Licross® 21 Recessed | Bestell-Nr.: 52TL12DN4FXM3S EAN: 4058352908167 | LP-Nummer 59446_68 |
| 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 | |
| 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 | 14,1 | 15,5 | 14,4 | 15,8 | 16,2 | 13,7 | 15,1 | 14,0 | 15,4 | 15,8 |
| | 3H | 14,8 | 16,0 | 15,1 | 16,4 | 16,7 | 14,5 | 15,8 | 14,9 | 16,1 | 16,5 |
| | 4H | 15,1 | 16,3 | 15,5 | 16,6 | 17,0 | 14,8 | 16,0 | 15,2 | 16,4 | 16,8 |
| | 6H | 15,4 | 16,5 | 15,8 | 16,9 | 17,3 | 15,1 | 16,2 | 15,5 | 16,6 | 17,0 |
| | 8H | 15,6 | 16,6 | 16,0 | 17,0 | 17,4 | 15,3 | 16,3 | 15,7 | 16,6 | 17,0 |
| | 12H | 15,7 | 16,6 | 16,2 | 17,0 | 17,4 | 15,3 | 16,2 | 15,7 | 16,6 | 17,0 |
| 4H | 2H | 14,4 | 15,6 | 14,7 | 15,9 | 16,3 | 14,1 | 15,3 | 14,5 | 15,6 | 16,0 |
| | 3H | 15,1 | 16,1 | 15,5 | 16,5 | 16,9 | 15,0 | 16,0 | 15,5 | 16,4 | 16,8 |
| | 4H | 15,5 | 16,4 | 15,9 | 16,8 | 17,2 | 15,5 | 16,4 | 15,9 | 16,8 | 17,2 |
| | 6H | 15,9 | 16,7 | 16,4 | 17,1 | 17,6 | 15,9 | 16,6 | 16,3 | 17,1 | 17,5 |
| | 8H | 16,1 | 16,8 | 16,6 | 17,2 | 17,7 | 16,0 | 16,7 | 16,5 | 17,1 | 17,6 |
| | 12H | 16,3 | 16,8 | 16,7 | 17,3 | 17,8 | 16,1 | 16,7 | 16,6 | 17,1 | 17,6 |
| 8H | 4H | 15,6 | 16,3 | 16,1 | 16,8 | 17,2 | 15,6 | 16,3 | 16,1 | 16,8 | 17,2 |
| | 6H | 16,0 | 16,6 | 16,5 | 17,1 | 17,6 | 16,1 | 16,6 | 16,6 | 17,1 | 17,6 |
| | 8H | 16,2 | 16,7 | 16,7 | 17,2 | 17,8 | 16,2 | 16,7 | 16,7 | 17,2 | 17,7 |
| | 12H | 16,5 | 16,9 | 17,0 | 17,4 | 17,9 | 16,3 | 16,8 | 16,9 | 17,3 | 17,8 |
| 12H | 4H | 15,6 | 16,2 | 16,1 | 16,7 | 17,2 | 15,6 | 16,2 | 16,1 | 16,7 | 17,2 |
| | 6H | 16,1 | 16,5 | 16,6 | 17,0 | 17,6 | 16,1 | 16,6 | 16,6 | 17,0 | 17,6 |
| | 8H | 16,3 | 16,7 | 16,8 | 17,2 | 17,7 | 16,3 | 16,7 | 16,8 | 17,2 | 17,7 |

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° | | 3435.4 | 3290.9 | 3152.0 | 2893.9 | 2663.9 | 2829.3 | 2945.9 | |
| 50° | | 2757.9 | 2515.9 | 2383.0 | 2457.2 | 2310.6 | 2367.8 | 2402.3 | |
| 55° | | 2231.4 | 1961.4 | 1746.6 | 2029.8 | 2039.6 | 1941.8 | 1923.6 | |
| 60° | | 1803.2 | 1560.1 | 1346.4 | 1678.0 | 1790.9 | 1612.1 | 1627.6 | |
| 65° | | 1532.2 | 1302.6 | 1099.6 | 1399.0 | 1556.1 | 1404.9 | 1439.7 | |
| 70° | | 1399.2 | 1154.2 | 920.7 | 1167.1 | 1267.2 | 1248.6 | 1313.7 | |
| 75° | | 1317.4 | 1048.1 | 793.5 | 975.3 | 1139.6 | 1115.6 | 1210.5 | |
| 80° | | 1245.2 | 956.2 | 684.4 | 787.4 | 940.0 | 959.3 | 1059.0 | |
| 85° | | 1154.5 | 882.8 | 595.7 | 617.5 | 712.7 | 733.7 | 772.6 | |

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Leuchtdichten in cd/m²

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

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