

Lichttechnischer Prüfbefund

Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL12DN4AXG3S4

EAN: 4058352908129

LP-Nummer

59101_332



| | |
|------------------------|--|
| Ausführung | Abdeckung satiniert, breit strahlend, hoher Sehkomfort |
| Bestückung | LED 4000 K CRI ≥ 80 |
| Betriebsgerät | EVG-DALI |
| Einstellung | Notlichtbetrieb: 3 h |
| Bemessungswerte | Nettolichtstrom = 950 lm Systemleistung = 6.7 W Lichtausbeute = 141.8 lm/W |

Seriendokumentation
17.08.2023

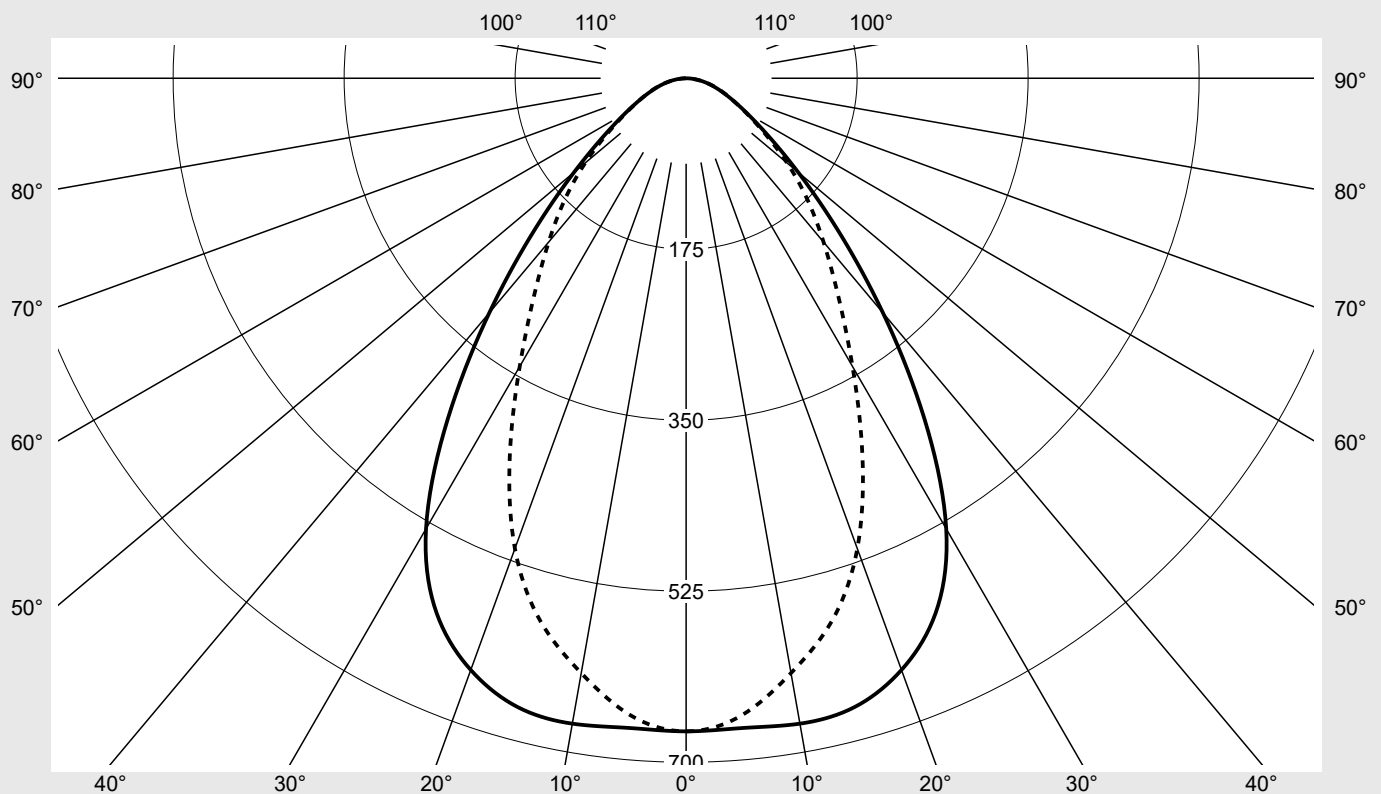
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 671 cd/klm



Klassifizierungen

| | |
|----------|------------------------------------|
| DIN 5040 | A 6 0 |
| CIE | N1=72 N2=92 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° | 668.4 | 668.4 | 668.4 | 668.4 | 668.4 | 668.4 | 668.4 | 4.0 | 4.0 |
| 5° | 667.5 | 664.4 | 657.4 | 655.8 | 655.7 | 654.2 | 654.4 | 31.4 | 35.4 |
| 10° | 670.7 | 665.0 | 649.1 | 636.1 | 625.3 | 618.7 | 618.1 | 60.9 | 96.3 |
| 15° | 666.2 | 657.2 | 632.9 | 612.0 | 594.0 | 578.5 | 575.5 | 87.4 | 183.7 |
| 20° | 644.4 | 632.9 | 606.9 | 585.4 | 554.6 | 522.7 | 512.3 | 108.8 | 292.5 |
| 25° | 604.1 | 590.6 | 566.7 | 541.2 | 494.5 | 444.9 | 427.0 | 121.8 | 414.2 |
| 30° | 532.4 | 517.7 | 496.3 | 466.1 | 413.9 | 359.9 | 340.6 | 122.9 | 537.1 |
| 35° | 425.0 | 409.7 | 387.0 | 361.9 | 325.4 | 286.0 | 271.1 | 111.0 | 648.1 |
| 40° | 313.4 | 295.8 | 270.7 | 255.1 | 246.8 | 229.4 | 218.8 | 91.8 | 739.9 |
| 45° | 219.2 | 200.3 | 175.7 | 171.1 | 181.8 | 184.7 | 175.5 | 71.8 | 811.7 |
| 50° | 149.7 | 132.6 | 112.6 | 116.3 | 133.0 | 145.6 | 134.9 | 54.8 | 866.5 |
| 55° | 102.7 | 89.1 | 74.7 | 81.5 | 98.1 | 107.9 | 98.1 | 41.3 | 907.7 |
| 60° | 72.4 | 62.1 | 51.3 | 58.3 | 71.8 | 76.5 | 71.0 | 31.0 | 938.7 |
| 65° | 52.1 | 44.3 | 35.9 | 41.6 | 51.4 | 54.2 | 52.1 | 23.1 | 961.9 |
| 70° | 37.6 | 31.7 | 24.7 | 29.1 | 35.6 | 38.4 | 38.3 | 16.9 | 978.8 |
| 75° | 26.0 | 21.3 | 16.2 | 19.0 | 22.9 | 25.9 | 26.8 | 11.6 | 990.4 |
| 80° | 16.1 | 12.5 | 9.2 | 10.4 | 12.6 | 14.8 | 15.7 | 6.8 | 997.3 |
| 85° | 7.0 | 5.4 | 3.8 | 4.1 | 4.8 | 5.7 | 5.8 | 2.7 | 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 | 13,6 | 15,0 | 13,9 | 15,3 | 15,6 | 13,5 | 14,9 | 13,9 | 15,2 | 15,6 |
| | 3H | 14,2 | 15,4 | 14,5 | 15,8 | 16,1 | 14,3 | 15,6 | 14,7 | 15,9 | 16,2 |
| | 4H | 14,4 | 15,6 | 14,8 | 16,0 | 16,3 | 14,6 | 15,8 | 15,0 | 16,2 | 16,5 |
| | 6H | 14,7 | 15,8 | 15,1 | 16,1 | 16,5 | 14,9 | 16,0 | 15,3 | 16,3 | 16,7 |
| | 8H | 14,9 | 15,8 | 15,3 | 16,2 | 16,6 | 15,0 | 16,0 | 15,5 | 16,4 | 16,8 |
| | 12H | 14,9 | 15,8 | 15,4 | 16,2 | 16,6 | 15,1 | 16,0 | 15,5 | 16,4 | 16,8 |
| 4H | 2H | 13,7 | 14,9 | 14,1 | 15,3 | 15,6 | 13,7 | 14,9 | 14,1 | 15,2 | 15,6 |
| | 3H | 14,4 | 15,4 | 14,8 | 15,8 | 16,2 | 14,7 | 15,6 | 15,1 | 16,0 | 16,4 |
| | 4H | 14,7 | 15,6 | 15,2 | 16,0 | 16,5 | 15,1 | 16,0 | 15,5 | 16,4 | 16,8 |
| | 6H | 15,1 | 15,8 | 15,5 | 16,2 | 16,7 | 15,5 | 16,2 | 15,9 | 16,7 | 17,1 |
| | 8H | 15,2 | 15,9 | 15,7 | 16,3 | 16,8 | 15,6 | 16,3 | 16,1 | 16,7 | 17,2 |
| | 12H | 15,3 | 15,9 | 15,8 | 16,4 | 16,9 | 15,7 | 16,3 | 16,2 | 16,7 | 17,2 |
| 8H | 4H | 14,8 | 15,5 | 15,3 | 15,9 | 16,4 | 15,2 | 15,8 | 15,6 | 16,3 | 16,8 |
| | 6H | 15,2 | 15,7 | 15,7 | 16,2 | 16,7 | 15,6 | 16,1 | 16,1 | 16,6 | 17,1 |
| | 8H | 15,3 | 15,8 | 15,8 | 16,3 | 16,8 | 15,8 | 16,2 | 16,3 | 16,7 | 17,3 |
| | 12H | 15,5 | 15,9 | 16,0 | 16,4 | 16,9 | 15,9 | 16,3 | 16,4 | 16,8 | 17,3 |
| 12H | 4H | 14,8 | 15,4 | 15,3 | 15,9 | 16,4 | 15,2 | 15,7 | 15,7 | 16,2 | 16,7 |
| | 6H | 15,2 | 15,7 | 15,7 | 16,2 | 16,7 | 15,6 | 16,1 | 16,1 | 16,6 | 17,1 |
| | 8H | 15,4 | 15,8 | 15,9 | 16,3 | 16,8 | 15,8 | 16,2 | 16,3 | 16,7 | 17,2 |

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° | | 3385.3 | 3093.9 | 2712.8 | 2642.8 | 2807.4 | 2852.2 | 2710.6 |
| 50° | | 2542.8 | 2252.1 | 1913.0 | 1975.8 | 2259.3 | 2473.7 | 2290.9 |
| 55° | | 1954.5 | 1696.7 | 1422.5 | 1552.0 | 1867.2 | 2055.1 | 1866.7 |
| 60° | | 1580.8 | 1356.9 | 1120.5 | 1274.2 | 1567.3 | 1670.9 | 1550.1 |
| 65° | | 1346.2 | 1145.8 | 928.8 | 1075.5 | 1329.3 | 1399.2 | 1344.9 |
| 70° | | 1199.6 | 1011.5 | 788.7 | 927.6 | 1135.5 | 1226.0 | 1222.9 |
| 75° | | 1096.9 | 898.5 | 684.9 | 800.7 | 966.6 | 1091.0 | 1130.4 |
| 80° | | 1011.7 | 788.7 | 580.3 | 656.8 | 794.0 | 933.8 | 989.9 |
| 85° | | 877.4 | 675.8 | 477.2 | 514.6 | 604.9 | 708.4 | 731.4 |

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

