

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TE187N485G
EAN: 4058352889824

LP-Nummer
59103_247



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG

Bemessungswerte Nettolichtstrom = 8570 lm
Systemleistung = 47.9 W
Lichtausbeute = 178.9 lm/W

Seriendokumentation
04.08.2023

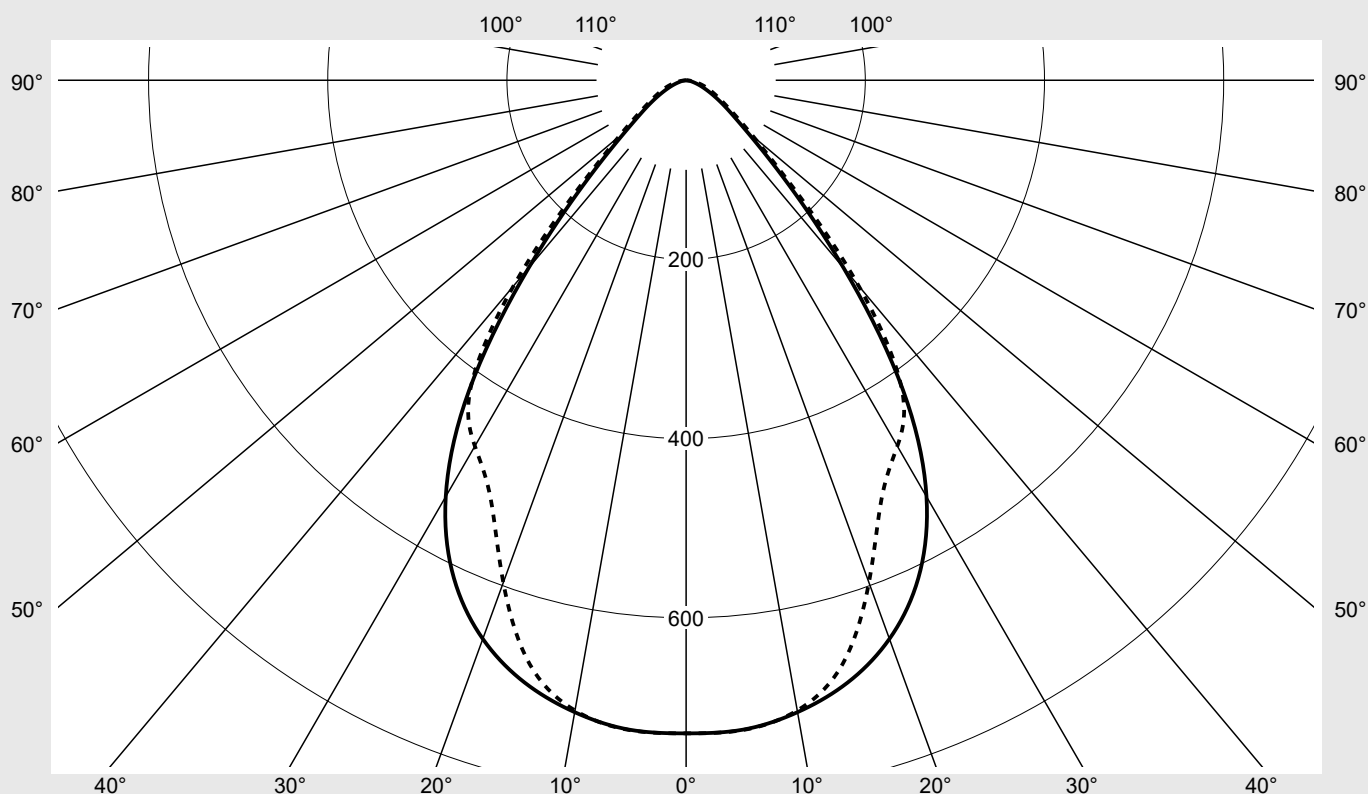
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 729 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=79 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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| | | |
|---|---|--------------------------------------|
| Familie Licross® 21 Recessed | Bestell-Nr.: 52TE187N485G EAN: 4058352889824 | LP-Nummer 59103_247 |
| 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° | 728.9 | 728.9 | 728.9 | 728.9 | 728.9 | 728.9 | 728.9 | 4.4 | 4.4 |
| 5° | 727.6 | 725.6 | 721.4 | 724.4 | 727.7 | 727.5 | 728.0 | 34.7 | 39.0 |
| 10° | 716.2 | 715.8 | 711.3 | 714.1 | 716.0 | 714.5 | 714.3 | 68.0 | 107.0 |
| 15° | 696.1 | 697.2 | 692.4 | 692.3 | 687.6 | 678.3 | 674.7 | 97.7 | 204.8 |
| 20° | 663.5 | 665.6 | 659.3 | 649.0 | 628.4 | 605.3 | 596.6 | 119.9 | 324.7 |
| 25° | 613.2 | 616.1 | 603.1 | 573.7 | 542.7 | 522.2 | 516.0 | 132.1 | 456.8 |
| 30° | 536.6 | 538.7 | 513.6 | 472.5 | 462.2 | 468.1 | 471.5 | 135.2 | 592.0 |
| 35° | 422.0 | 421.2 | 386.0 | 361.6 | 387.1 | 411.1 | 419.4 | 125.1 | 717.1 |
| 40° | 273.6 | 269.8 | 241.4 | 246.2 | 279.1 | 295.4 | 299.7 | 95.1 | 812.2 |
| 45° | 153.4 | 148.0 | 132.2 | 146.4 | 164.6 | 167.9 | 167.6 | 59.4 | 871.5 |
| 50° | 87.1 | 86.0 | 88.4 | 95.4 | 105.5 | 102.0 | 98.3 | 39.9 | 911.4 |
| 55° | 56.5 | 55.2 | 58.2 | 69.2 | 74.7 | 68.5 | 64.6 | 28.9 | 940.4 |
| 60° | 37.8 | 37.4 | 39.6 | 46.2 | 52.4 | 47.5 | 45.7 | 20.9 | 961.3 |
| 65° | 24.5 | 24.8 | 27.6 | 32.4 | 36.8 | 34.0 | 33.6 | 15.3 | 976.6 |
| 70° | 15.3 | 15.7 | 18.0 | 22.8 | 25.8 | 24.5 | 24.5 | 10.9 | 987.5 |
| 75° | 8.5 | 8.7 | 10.3 | 14.3 | 17.1 | 16.5 | 16.4 | 7.0 | 994.5 |
| 80° | 4.5 | 4.6 | 5.3 | 7.4 | 9.6 | 9.5 | 9.0 | 3.9 | 998.3 |
| 85° | 2.3 | 2.3 | 2.4 | 3.2 | 3.8 | 3.8 | 3.2 | 1.7 | 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 | 19,7 | 21,1 | 20,1 | 21,4 | 21,7 | 20,3 | 21,7 | 20,7 | 22,0 | 22,3 |
| | 3H | 19,8 | 21,0 | 20,2 | 21,4 | 21,7 | 20,7 | 21,9 | 21,1 | 22,3 | 22,6 |
| | 4H | 19,9 | 21,0 | 20,3 | 21,3 | 21,7 | 20,9 | 22,0 | 21,3 | 22,3 | 22,7 |
| | 6H | 19,9 | 20,9 | 20,3 | 21,2 | 21,6 | 21,0 | 22,0 | 21,4 | 22,4 | 22,8 |
| | 8H | 19,9 | 20,8 | 20,4 | 21,2 | 21,6 | 21,1 | 22,0 | 21,5 | 22,4 | 22,8 |
| | 12H | 19,9 | 20,7 | 20,4 | 21,1 | 21,6 | 21,1 | 21,9 | 21,5 | 22,3 | 22,7 |
| 4H | 2H | 19,8 | 21,0 | 20,2 | 21,3 | 21,7 | 20,4 | 21,5 | 20,8 | 21,9 | 22,3 |
| | 3H | 20,1 | 21,0 | 20,5 | 21,4 | 21,8 | 21,0 | 21,9 | 21,4 | 22,3 | 22,7 |
| | 4H | 20,1 | 21,0 | 20,6 | 21,4 | 21,8 | 21,2 | 22,0 | 21,7 | 22,5 | 22,9 |
| | 6H | 20,2 | 20,9 | 20,6 | 21,3 | 21,8 | 21,4 | 22,1 | 21,9 | 22,6 | 23,0 |
| | 8H | 20,2 | 20,8 | 20,6 | 21,2 | 21,7 | 21,5 | 22,1 | 22,0 | 22,6 | 23,0 |
| | 12H | 20,2 | 20,7 | 20,7 | 21,2 | 21,7 | 21,5 | 22,1 | 22,0 | 22,5 | 23,0 |
| 8H | 4H | 20,2 | 20,8 | 20,7 | 21,3 | 21,8 | 21,3 | 21,9 | 21,7 | 22,3 | 22,8 |
| | 6H | 20,3 | 20,8 | 20,8 | 21,2 | 21,7 | 21,5 | 22,0 | 22,0 | 22,5 | 23,0 |
| | 8H | 20,3 | 20,7 | 20,8 | 21,2 | 21,7 | 21,6 | 22,0 | 22,1 | 22,5 | 23,1 |
| | 12H | 20,3 | 20,6 | 20,8 | 21,2 | 21,7 | 21,7 | 22,0 | 22,2 | 22,5 | 23,1 |
| 12H | 4H | 20,2 | 20,8 | 20,7 | 21,2 | 21,7 | 21,3 | 21,8 | 21,7 | 22,2 | 22,7 |
| | 6H | 20,3 | 20,7 | 20,8 | 21,2 | 21,7 | 21,5 | 21,9 | 22,0 | 22,4 | 23,0 |
| | 8H | 20,3 | 20,7 | 20,8 | 21,2 | 21,7 | 21,6 | 22,0 | 22,1 | 22,5 | 23,0 |

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| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1500 B = 58 |
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| 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° | | 21369.3 | 20613.7 | 18413.9 | 20387.7 | 22930.0 | 23389.0 | 23353.8 |
| 50° | | 13354.2 | 13179.3 | 13548.3 | 14620.4 | 16170.2 | 15626.4 | 15071.0 |
| 55° | | 9698.5 | 9476.4 | 9990.1 | 11892.3 | 12828.3 | 11770.5 | 11091.3 |
| 60° | | 7440.3 | 7360.5 | 7795.0 | 9103.1 | 10316.7 | 9357.8 | 8998.3 |
| 65° | | 5718.7 | 5789.6 | 6433.6 | 7562.0 | 8578.2 | 7928.4 | 7833.7 |
| 70° | | 4394.5 | 4511.4 | 5183.1 | 6555.4 | 7424.1 | 7059.2 | 7066.4 |
| 75° | | 3222.1 | 3318.4 | 3916.7 | 5450.5 | 6501.7 | 6289.7 | 6231.9 |
| 80° | | 2559.5 | 2631.0 | 2990.7 | 4169.4 | 5420.9 | 5377.7 | 5090.1 |
| 85° | | 2635.7 | 2607.4 | 2749.8 | 3580.6 | 4268.9 | 4268.9 | 3609.9 |

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

