

Lichttechnischer Prüfbefund

Familie
Licross® 21 Performance

Bestell-Nr.: 52TM167N485G
EAN: 4058352903407

LP-Nummer
58520_305



Ausführung Abdeckung satiniert, direkt-/ indirekt strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 8720 lm
 Systemleistung = 47.9 W
 Lichtausbeute = 182 lm/W

Seriendokumentation
04.08.2023

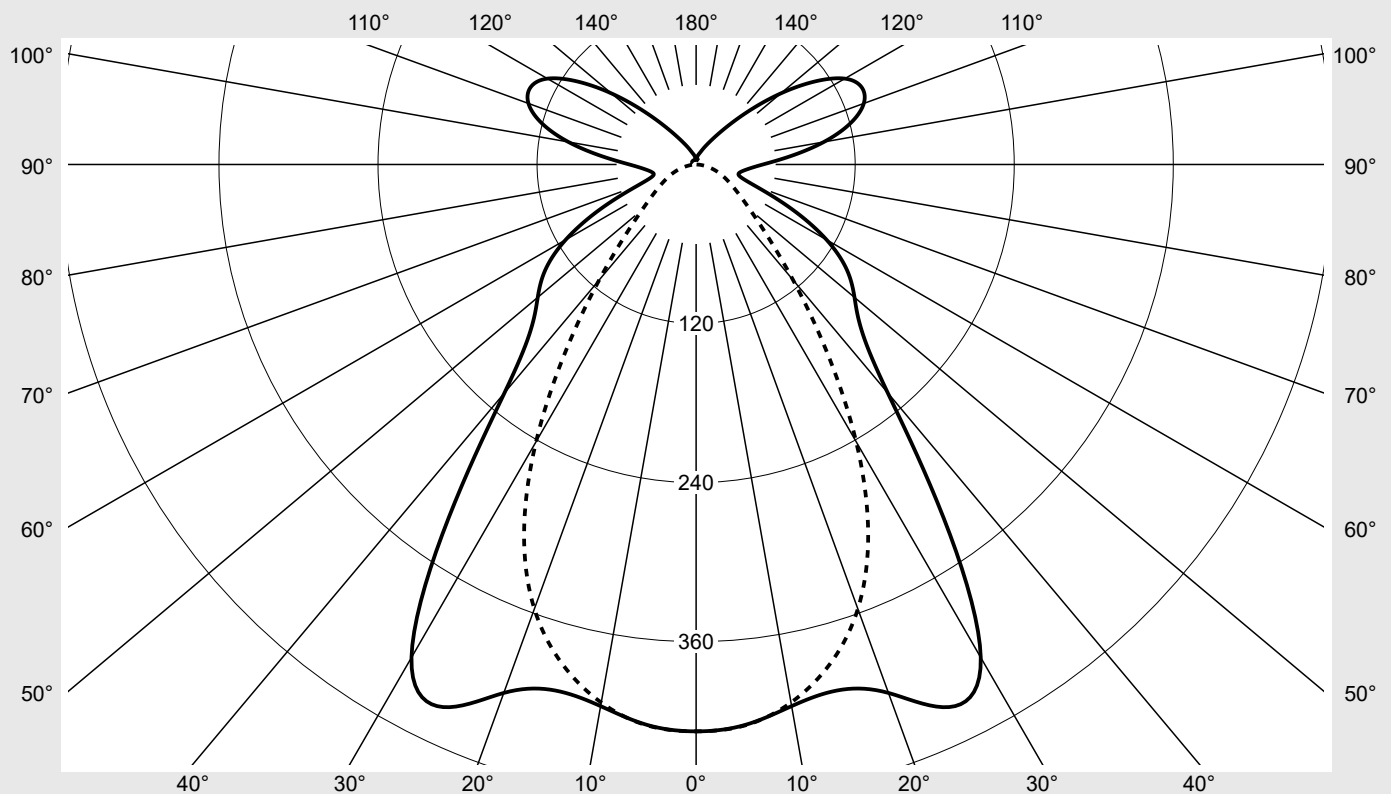
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 452 cd/klm



Klassifizierungen

DIN 5040 B 5 1
 CIE N1=65 N2=88 N3=96
 N4=79 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 79,3%
 ϕ_o 20,7%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|--|---|--------------------------------------|
| Familie Licross® 21 Performance | Bestell-Nr.: 52TM167N485G EAN: 4058352903407 | LP-Nummer 58520_305 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
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| 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 | |
| γ | | | | | | | | | |
| 0° | 427.7 | 427.7 | 427.7 | 427.7 | 427.7 | 427.7 | 427.7 | 2.6 | 2.6 |
| 5° | 424.4 | 422.4 | 420.2 | 422.1 | 424.3 | 424.4 | 424.8 | 20.2 | 22.8 |
| 10° | 414.9 | 412.5 | 408.9 | 409.5 | 411.2 | 411.6 | 412.2 | 39.1 | 61.9 |
| 15° | 410.8 | 406.7 | 398.1 | 393.2 | 390.9 | 389.7 | 390.1 | 56.3 | 118.2 |
| 20° | 424.3 | 415.5 | 394.5 | 375.8 | 364.0 | 357.7 | 356.8 | 71.8 | 190.0 |
| 25° | 451.7 | 439.9 | 403.9 | 360.3 | 329.2 | 311.6 | 307.2 | 85.9 | 275.8 |
| 30° | 429.5 | 430.9 | 412.5 | 347.4 | 284.5 | 251.0 | 241.5 | 94.2 | 370.0 |
| 35° | 325.6 | 344.5 | 379.3 | 329.0 | 231.5 | 183.8 | 171.0 | 89.9 | 460.0 |
| 40° | 224.9 | 238.5 | 293.1 | 289.7 | 177.2 | 125.7 | 113.8 | 76.0 | 535.9 |
| 45° | 176.4 | 174.8 | 199.5 | 224.7 | 128.0 | 84.3 | 75.7 | 60.6 | 596.5 |
| 50° | 156.0 | 144.3 | 136.6 | 154.2 | 90.2 | 58.9 | 53.2 | 48.2 | 644.7 |
| 55° | 139.0 | 122.9 | 98.4 | 99.7 | 63.9 | 43.4 | 39.8 | 38.7 | 683.4 |
| 60° | 113.7 | 99.1 | 72.2 | 64.7 | 46.3 | 33.0 | 30.8 | 30.7 | 714.1 |
| 65° | 79.7 | 70.2 | 51.6 | 43.8 | 34.5 | 25.6 | 24.0 | 23.0 | 737.1 |
| 70° | 47.7 | 43.4 | 35.6 | 31.1 | 26.2 | 19.7 | 18.2 | 16.2 | 753.3 |
| 75° | 33.9 | 31.2 | 26.1 | 23.2 | 19.9 | 14.4 | 12.7 | 12.2 | 765.5 |
| 80° | 33.7 | 30.7 | 23.7 | 18.2 | 15.1 | 9.9 | 7.5 | 10.6 | 776.1 |
| 85° | 39.3 | 35.6 | 26.3 | 17.2 | 11.4 | 6.2 | 3.2 | 10.7 | 786.9 |
| 90° | 50.4 | 45.6 | 32.3 | 18.9 | 10.0 | 3.9 | 0.6 | 12.4 | 799.3 |
| 95° | 71.3 | 63.5 | 42.3 | 22.5 | 11.4 | 4.6 | 1.0 | 16.4 | 815.7 |
| 100° | 97.9 | 84.6 | 52.5 | 26.5 | 12.9 | 5.3 | 1.6 | 20.8 | 836.6 |
| 105° | 120.7 | 101.7 | 62.6 | 30.2 | 14.2 | 6.1 | 2.4 | 24.4 | 860.9 |
| 110° | 134.6 | 112.6 | 69.4 | 33.2 | 15.3 | 6.7 | 2.9 | 26.3 | 887.2 |
| 115° | 137.8 | 115.5 | 72.0 | 34.6 | 16.0 | 7.2 | 3.2 | 26.1 | 913.3 |
| 120° | 129.6 | 108.9 | 68.7 | 33.6 | 15.7 | 7.4 | 3.5 | 23.8 | 937.1 |
| 125° | 109.1 | 92.2 | 59.5 | 30.3 | 14.7 | 7.4 | 3.7 | 19.5 | 956.6 |
| 130° | 83.4 | 71.0 | 47.4 | 25.5 | 13.2 | 7.2 | 3.7 | 14.5 | 971.2 |
| 135° | 58.6 | 50.3 | 35.1 | 20.5 | 11.4 | 6.8 | 3.7 | 10.0 | 981.2 |
| 140° | 39.2 | 34.3 | 25.3 | 16.3 | 9.8 | 6.3 | 3.7 | 6.7 | 987.9 |
| 145° | 26.6 | 23.8 | 18.6 | 13.0 | 8.2 | 5.4 | 3.7 | 4.4 | 992.3 |
| 150° | 18.7 | 17.2 | 14.2 | 10.0 | 6.9 | 5.0 | 3.7 | 2.9 | 995.2 |
| 155° | 13.8 | 12.8 | 10.8 | 7.8 | 6.8 | 4.4 | 3.6 | 2.0 | 997.2 |
| 160° | 10.2 | 9.8 | 7.9 | 6.8 | 5.6 | 4.6 | 3.5 | 1.3 | 998.5 |
| 165° | 8.2 | 7.8 | 6.5 | 5.6 | 5.0 | 4.1 | 3.7 | 0.8 | 999.3 |
| 170° | 6.4 | 5.6 | 4.7 | 4.7 | 5.0 | 4.1 | 3.9 | 0.5 | 999.8 |
| 175° | 4.2 | 3.7 | 4.1 | 4.1 | 4.1 | 4.2 | 4.2 | 0.2 | 1000.0 |
| 180° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 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 | 18,6 | 19,9 | 19,2 | 20,4 | 21,1 | 14,8 | 16,1 | 15,4 | 16,6 | 17,3 |
| | 3H | 19,2 | 20,3 | 19,8 | 20,9 | 21,6 | 15,2 | 16,3 | 15,8 | 16,9 | 17,6 |
| | 4H | 19,4 | 20,4 | 20,0 | 21,0 | 21,7 | 15,4 | 16,5 | 16,0 | 17,1 | 17,8 |
| | 6H | 19,6 | 20,5 | 20,3 | 21,2 | 21,9 | 15,5 | 16,5 | 16,2 | 17,1 | 17,9 |
| | 8H | 19,9 | 20,7 | 20,6 | 21,3 | 22,1 | 15,5 | 16,4 | 16,2 | 17,1 | 17,8 |
| | 12H | 20,2 | 20,9 | 20,9 | 21,6 | 22,4 | 15,5 | 16,4 | 16,2 | 17,1 | 17,8 |
| 4H | 2H | 18,6 | 19,6 | 19,2 | 20,3 | 20,9 | 15,3 | 16,3 | 15,9 | 16,9 | 17,6 |
| | 3H | 19,3 | 20,1 | 19,9 | 20,8 | 21,6 | 15,8 | 16,7 | 16,5 | 17,3 | 18,1 |
| | 4H | 19,5 | 20,3 | 20,2 | 21,0 | 21,8 | 16,1 | 16,9 | 16,8 | 17,6 | 18,4 |
| | 6H | 20,0 | 20,6 | 20,7 | 21,3 | 22,2 | 16,3 | 17,0 | 17,0 | 17,7 | 18,5 |
| | 8H | 20,3 | 20,9 | 21,0 | 21,6 | 22,5 | 16,4 | 17,0 | 17,1 | 17,7 | 18,6 |
| | 12H | 20,8 | 21,3 | 21,6 | 22,1 | 23,0 | 16,4 | 17,0 | 17,2 | 17,7 | 18,6 |
| 8H | 4H | 19,5 | 20,1 | 20,2 | 20,8 | 21,7 | 16,3 | 16,9 | 17,0 | 17,6 | 18,4 |
| | 6H | 20,1 | 20,6 | 20,8 | 21,3 | 22,2 | 16,7 | 17,1 | 17,4 | 17,9 | 18,8 |
| | 8H | 20,5 | 21,0 | 21,3 | 21,8 | 22,6 | 16,8 | 17,3 | 17,6 | 18,0 | 18,9 |
| | 12H | 21,3 | 21,7 | 22,1 | 22,5 | 23,4 | 16,9 | 17,3 | 17,7 | 18,1 | 19,0 |
| 12H | 4H | 19,4 | 20,0 | 20,2 | 20,7 | 21,6 | 16,3 | 16,8 | 17,1 | 17,5 | 18,4 |
| | 6H | 20,0 | 20,5 | 20,8 | 21,2 | 22,1 | 16,8 | 17,2 | 17,5 | 17,9 | 18,9 |
| | 8H | 20,6 | 21,0 | 21,4 | 21,7 | 22,7 | 17,0 | 17,4 | 17,8 | 18,1 | 19,1 |

| | | | | | |
|--|--|------------|--------------|------------|-------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1480 B = 115 | H(C0) = 36 | H(C180) = 36 | H(C90) = 0 | H(C270) = 0 |
|--|--|------------|--------------|------------|-------------|

| 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° | | 9735.0 | 9724.6 | 11372.5 | 13330.3 | 8022.2 | 5651.2 | 5481.8 |
| 50° | | 9055.8 | 8452.3 | 8226.2 | 9725.8 | 6060.9 | 4283.6 | 4238.0 |
| 55° | | 8579.9 | 7668.8 | 6337.4 | 6768.2 | 4664.5 | 3474.4 | 3553.0 |
| 60° | | 7553.8 | 6666.2 | 5032.3 | 4792.8 | 3736.1 | 2969.7 | 3155.7 |
| 65° | | 5784.5 | 5158.9 | 3953.3 | 3600.7 | 3135.6 | 2646.9 | 2913.6 |
| 70° | | 3840.0 | 3550.3 | 3056.5 | 2901.0 | 2739.5 | 2412.1 | 2731.3 |
| 75° | | 3099.2 | 2899.3 | 2569.1 | 2515.0 | 2490.2 | 2193.9 | 2516.2 |
| 80° | | 3585.9 | 3339.4 | 2755.6 | 2377.9 | 2364.0 | 2005.2 | 2214.9 |
| 85° | | 5042.5 | 4702.5 | 3770.4 | 2864.9 | 2396.9 | 1895.6 | 1885.8 |

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Leuchtdichten in cd/m²

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

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