

Lichttechnischer Prüfbefund

Familie
Licross® 11 Recessed

Bestell-Nr.: 51TL107N485G
EAN: 4058352940655

LP-Nummer
58684_136



Ausführung Abdeckung satiniert
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 8700 lm
 Systemleistung = 48.5 W
 Lichtausbeute = 179.4 lm/W

Seriendokumentation
11.10.2023

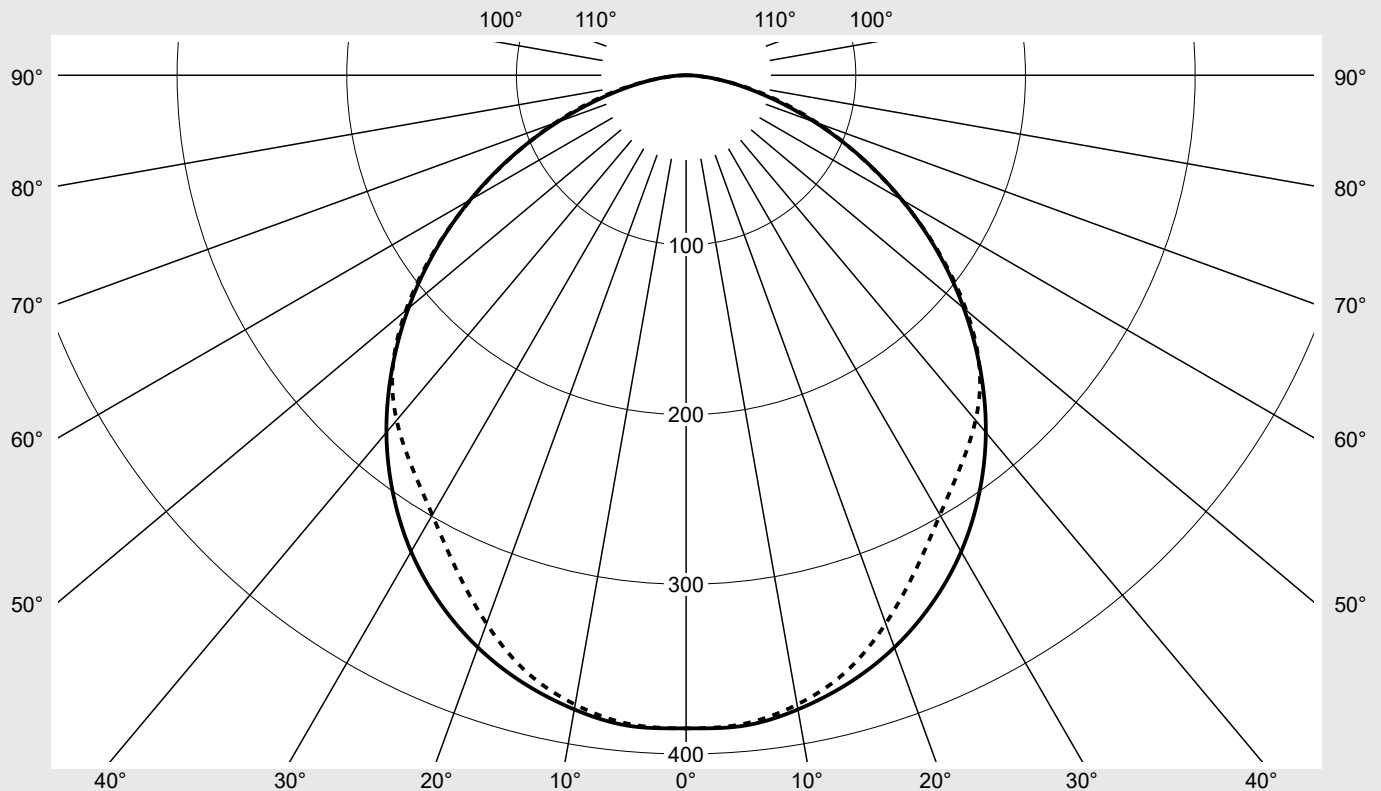
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 385 cd/klm



Klassifizierungen

DIN 5040 A 4 0
 CIE N1=50 N2=81 N3=96
 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° | 384.9 | 384.9 | 384.9 | 384.9 | 384.9 | 384.9 | 384.9 | 2.3 | 2.3 |
| 5° | 384.9 | 383.5 | 380.9 | 382.4 | 383.7 | 383.9 | 383.8 | 18.3 | 20.6 |
| 10° | 379.5 | 378.4 | 375.4 | 376.4 | 377.1 | 376.9 | 376.6 | 35.9 | 56.5 |
| 15° | 370.8 | 369.9 | 366.1 | 365.8 | 365.5 | 363.9 | 363.9 | 52.0 | 108.5 |
| 20° | 358.8 | 358.1 | 353.2 | 350.6 | 348.2 | 345.1 | 343.9 | 65.8 | 174.3 |
| 25° | 343.3 | 342.7 | 336.1 | 331.0 | 326.3 | 322.1 | 320.9 | 76.8 | 251.1 |
| 30° | 324.2 | 323.3 | 314.8 | 307.4 | 302.4 | 299.4 | 299.2 | 84.9 | 336.1 |
| 35° | 301.1 | 299.6 | 289.7 | 281.8 | 279.3 | 280.0 | 281.8 | 90.2 | 426.3 |
| 40° | 274.8 | 272.4 | 262.0 | 255.7 | 258.0 | 262.5 | 265.4 | 92.8 | 519.1 |
| 45° | 245.2 | 241.9 | 231.9 | 229.2 | 235.1 | 240.6 | 244.6 | 92.0 | 611.1 |
| 50° | 213.6 | 209.5 | 202.3 | 202.7 | 208.5 | 212.2 | 215.6 | 87.5 | 698.5 |
| 55° | 180.7 | 176.6 | 172.5 | 174.4 | 178.1 | 179.3 | 181.7 | 79.5 | 778.0 |
| 60° | 146.9 | 143.9 | 142.8 | 145.1 | 146.4 | 145.5 | 146.6 | 68.9 | 846.9 |
| 65° | 113.3 | 112.0 | 113.5 | 115.8 | 115.6 | 113.0 | 112.9 | 56.5 | 903.4 |
| 70° | 80.7 | 81.0 | 84.0 | 87.4 | 86.4 | 83.3 | 82.2 | 43.2 | 946.6 |
| 75° | 51.4 | 52.0 | 55.5 | 60.1 | 59.2 | 56.0 | 54.4 | 29.6 | 976.3 |
| 80° | 28.6 | 28.8 | 31.3 | 34.2 | 34.2 | 31.5 | 29.9 | 17.0 | 993.3 |
| 85° | 11.6 | 11.6 | 12.6 | 13.6 | 13.2 | 11.7 | 10.4 | 6.7 | 1000.0 |
| 90° | 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 | 24,2 | 25,8 | 24,5 | 26,2 | 26,5 | 24,2 | 25,9 | 24,6 | 26,2 | 26,5 |
| | 3H | 25,5 | 27,0 | 25,9 | 27,4 | 27,7 | 25,6 | 27,1 | 26,0 | 27,4 | 27,8 |
| | 4H | 26,0 | 27,4 | 26,4 | 27,7 | 28,1 | 26,1 | 27,5 | 26,5 | 27,9 | 28,2 |
| | 6H | 26,3 | 27,6 | 26,7 | 28,0 | 28,4 | 26,5 | 27,7 | 26,9 | 28,1 | 28,5 |
| | 8H | 26,4 | 27,6 | 26,9 | 28,0 | 28,4 | 26,6 | 27,8 | 27,0 | 28,2 | 28,6 |
| | 12H | 26,5 | 27,6 | 26,9 | 28,0 | 28,4 | 26,6 | 27,8 | 27,1 | 28,2 | 28,6 |
| 4H | 2H | 24,9 | 26,3 | 25,3 | 26,6 | 27,0 | 24,9 | 26,3 | 25,3 | 26,7 | 27,1 |
| | 3H | 26,4 | 27,6 | 26,8 | 28,0 | 28,4 | 26,5 | 27,7 | 26,9 | 28,1 | 28,5 |
| | 4H | 27,0 | 28,1 | 27,4 | 28,5 | 28,9 | 27,1 | 28,2 | 27,6 | 28,6 | 29,0 |
| | 6H | 27,4 | 28,3 | 27,8 | 28,7 | 29,2 | 27,6 | 28,5 | 28,0 | 28,9 | 29,4 |
| | 8H | 27,5 | 28,4 | 28,0 | 28,8 | 29,3 | 27,7 | 28,6 | 28,2 | 29,0 | 29,5 |
| | 12H | 27,6 | 28,4 | 28,1 | 28,8 | 29,3 | 27,8 | 28,6 | 28,3 | 29,0 | 29,5 |
| 8H | 4H | 27,3 | 28,2 | 27,8 | 28,6 | 29,1 | 27,4 | 28,3 | 27,9 | 28,7 | 29,2 |
| | 6H | 27,8 | 28,5 | 28,3 | 29,0 | 29,5 | 28,0 | 28,7 | 28,5 | 29,2 | 29,7 |
| | 8H | 28,0 | 28,6 | 28,5 | 29,1 | 29,6 | 28,2 | 28,8 | 28,7 | 29,3 | 29,8 |
| | 12H | 28,1 | 28,7 | 28,7 | 29,2 | 29,7 | 28,3 | 28,9 | 28,8 | 29,4 | 29,9 |
| 12H | 4H | 27,4 | 28,1 | 27,8 | 28,6 | 29,1 | 27,5 | 28,2 | 28,0 | 28,7 | 29,2 |
| | 6H | 27,9 | 28,5 | 28,4 | 29,0 | 29,5 | 28,1 | 28,7 | 28,6 | 29,2 | 29,7 |
| | 8H | 28,1 | 28,6 | 28,6 | 29,1 | 29,7 | 28,3 | 28,8 | 28,8 | 29,3 | 29,9 |

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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° | | 34673.4 | 34204.7 | 32793.9 | 32407.8 | 33247.0 | 34029.8 | 34591.0 | |
| 50° | | 33237.6 | 32597.5 | 31470.4 | 31527.1 | 32433.3 | 33011.1 | 33543.4 | |
| 55° | | 31497.3 | 30786.3 | 30081.8 | 30399.1 | 31046.6 | 31256.0 | 31675.1 | |
| 60° | | 29374.8 | 28784.8 | 28566.4 | 29025.2 | 29272.8 | 29090.6 | 29316.4 | |
| 65° | | 26810.0 | 26508.6 | 26844.6 | 27395.9 | 27344.3 | 26741.2 | 26723.9 | |
| 70° | | 23608.8 | 23683.4 | 24555.3 | 25545.3 | 25254.9 | 24341.5 | 24043.3 | |
| 75° | | 19860.2 | 20079.7 | 21448.6 | 23237.9 | 22870.8 | 21639.8 | 21027.8 | |
| 80° | | 16446.5 | 16603.7 | 18035.9 | 19711.1 | 19700.8 | 18144.7 | 17218.1 | |
| 85° | | 13325.6 | 13296.9 | 14399.5 | 15639.8 | 15110.9 | 13480.5 | 11955.6 | |

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

