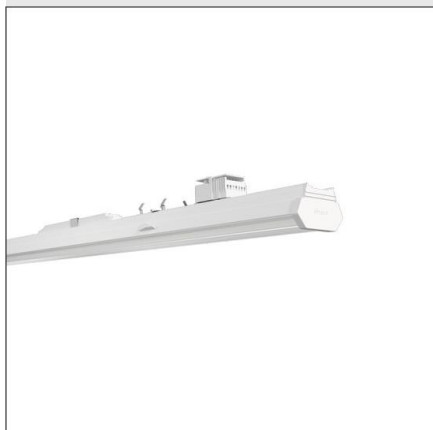


Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TS127N475F
EAN: 4058352265048

LP-Nummer
58522_17



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 7690 lm
 Systemleistung = 47.6 W
 Lichtausbeute = 161.6 lm/W

Seriendokumentation
12.12.2019

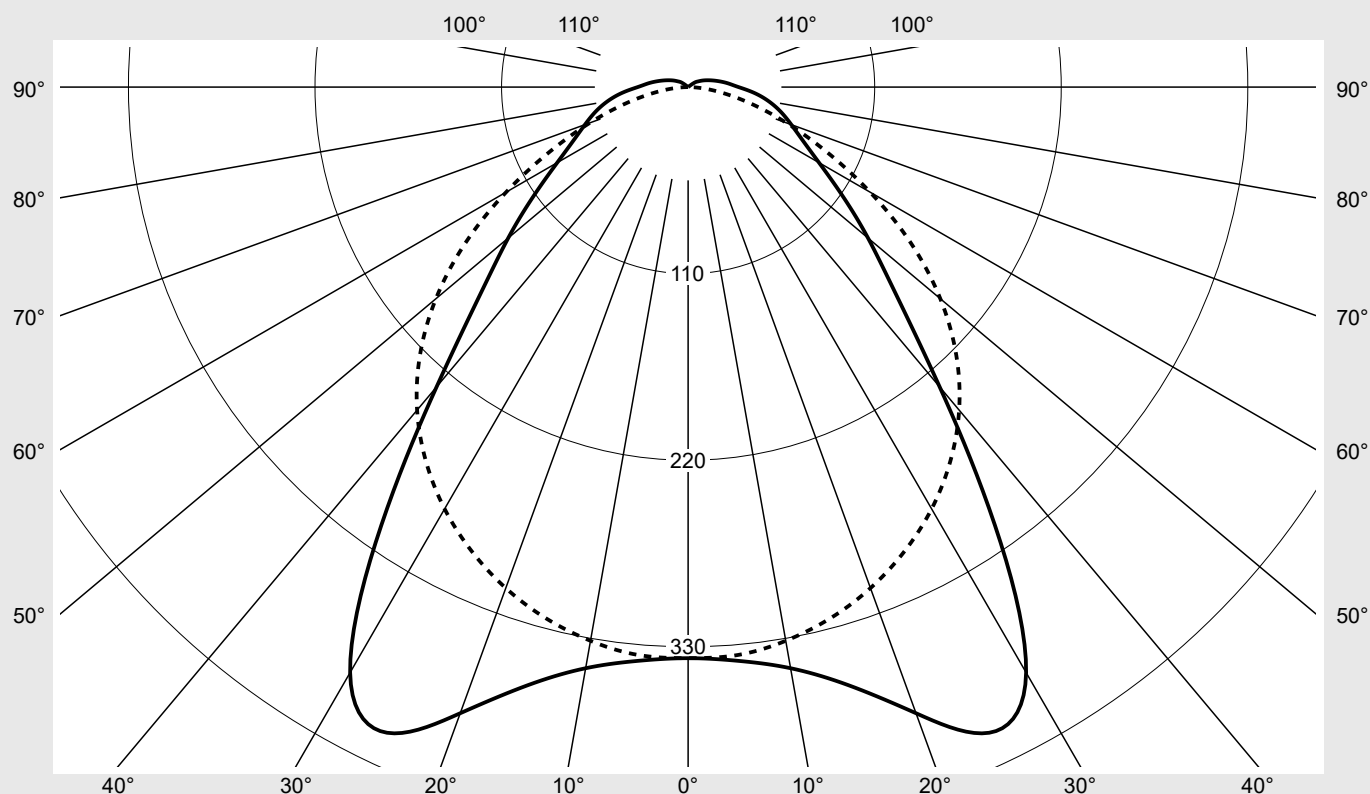
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 420 cd/klm



Klassifizierungen

DIN 5040 A 4 1
 CIE N1=54 N2=82 N3=95
 N4=97 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 96,8%
 ϕ_o 3,2%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|---|---|-------------------------------------|
| Familie Licross® Protected | Bestell-Nr.: 51TS127N475F EAN: 4058352265048 | LP-Nummer 58522_17 |
| 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 | |
| γ | | | | | | | | | |
| 0° | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 | 2.0 | 2.0 |
| 5° | 339.6 | 338.6 | 335.9 | 336.3 | 336.9 | 336.0 | 336.1 | 16.1 | 18.1 |
| 10° | 347.9 | 347.0 | 341.3 | 338.0 | 335.2 | 332.1 | 331.5 | 32.3 | 50.4 |
| 15° | 365.1 | 363.4 | 352.6 | 343.0 | 333.9 | 326.3 | 324.2 | 48.8 | 99.2 |
| 20° | 392.9 | 389.6 | 370.2 | 350.5 | 332.5 | 318.7 | 314.4 | 66.1 | 165.3 |
| 25° | 420.1 | 417.2 | 393.2 | 361.7 | 330.8 | 309.3 | 301.9 | 83.9 | 249.2 |
| 30° | 398.6 | 403.0 | 395.6 | 369.9 | 329.0 | 297.6 | 287.2 | 97.7 | 346.8 |
| 35° | 315.4 | 327.2 | 346.9 | 353.5 | 322.7 | 283.2 | 269.5 | 100.9 | 447.7 |
| 40° | 230.7 | 242.3 | 270.7 | 302.4 | 300.6 | 265.5 | 248.6 | 95.2 | 542.9 |
| 45° | 173.9 | 182.1 | 205.6 | 239.8 | 258.3 | 240.0 | 223.6 | 85.6 | 628.5 |
| 50° | 138.5 | 144.5 | 161.6 | 188.3 | 208.7 | 204.6 | 194.1 | 75.2 | 703.7 |
| 55° | 110.6 | 115.5 | 130.2 | 150.3 | 164.6 | 163.9 | 160.4 | 64.4 | 768.0 |
| 60° | 89.1 | 92.4 | 103.6 | 120.9 | 128.5 | 124.9 | 123.9 | 53.5 | 821.6 |
| 65° | 74.6 | 76.3 | 82.5 | 95.4 | 99.4 | 91.8 | 89.8 | 43.7 | 865.3 |
| 70° | 64.8 | 65.1 | 66.4 | 73.4 | 75.2 | 65.0 | 61.7 | 35.1 | 900.3 |
| 75° | 56.7 | 56.1 | 54.1 | 55.3 | 54.0 | 43.4 | 39.3 | 27.4 | 927.8 |
| 80° | 48.3 | 47.2 | 43.9 | 40.6 | 36.4 | 26.8 | 21.9 | 20.7 | 948.5 |
| 85° | 39.1 | 38.0 | 34.5 | 29.4 | 22.9 | 14.4 | 9.1 | 14.9 | 963.3 |
| 90° | 29.8 | 28.8 | 25.7 | 20.2 | 13.1 | 5.8 | 0.8 | 9.9 | 973.3 |
| 95° | 24.0 | 23.5 | 21.4 | 16.6 | 9.9 | 3.5 | 0.7 | 7.9 | 981.2 |
| 100° | 19.2 | 18.8 | 17.3 | 13.3 | 7.4 | 1.9 | 0.6 | 6.2 | 987.4 |
| 105° | 15.1 | 14.8 | 13.6 | 10.2 | 5.0 | 0.8 | 0.6 | 4.6 | 992.0 |
| 110° | 11.8 | 11.3 | 10.2 | 7.3 | 2.9 | 0.6 | 0.6 | 3.3 | 995.3 |
| 115° | 9.0 | 8.5 | 7.3 | 4.7 | 1.4 | 0.7 | 0.7 | 2.3 | 997.6 |
| 120° | 6.6 | 6.1 | 4.9 | 2.7 | 0.8 | 0.7 | 0.7 | 1.5 | 999.1 |
| 125° | 4.4 | 4.0 | 2.9 | 1.3 | 0.7 | 0.8 | 0.8 | 0.9 | 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 |

Lichttechnischer Prüfbefund

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|--------------------------------------|---|------------------------------|

| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 20,3 | 21,9 | 20,6 | 22,2 | 22,5 | 22,1 | 23,8 | 22,5 | 24,1 | 24,4 |
| | 3H | 21,4 | 22,9 | 21,8 | 23,2 | 23,6 | 23,2 | 24,6 | 23,5 | 25,0 | 25,3 |
| | 4H | 22,1 | 23,5 | 22,5 | 23,9 | 24,2 | 23,5 | 24,9 | 23,9 | 25,2 | 25,6 |
| | 6H | 22,9 | 24,2 | 23,3 | 24,5 | 24,9 | 23,8 | 25,0 | 24,2 | 25,4 | 25,8 |
| | 8H | 23,3 | 24,5 | 23,7 | 24,9 | 25,3 | 23,9 | 25,1 | 24,3 | 25,4 | 25,8 |
| | 12H | 23,7 | 24,8 | 24,1 | 25,2 | 25,6 | 23,9 | 25,0 | 24,3 | 25,4 | 25,8 |
| 4H | 2H | 21,1 | 22,5 | 21,5 | 22,8 | 23,2 | 22,6 | 24,0 | 23,0 | 24,3 | 24,7 |
| | 3H | 22,5 | 23,6 | 22,9 | 24,0 | 24,4 | 23,9 | 25,0 | 24,3 | 25,4 | 25,8 |
| | 4H | 23,3 | 24,3 | 23,7 | 24,7 | 25,2 | 24,4 | 25,4 | 24,8 | 25,8 | 26,3 |
| | 6H | 24,2 | 25,1 | 24,6 | 25,5 | 26,0 | 24,7 | 25,6 | 25,2 | 26,1 | 26,5 |
| | 8H | 24,6 | 25,5 | 25,1 | 25,9 | 26,4 | 24,8 | 25,7 | 25,3 | 26,1 | 26,6 |
| | 12H | 25,1 | 25,9 | 25,6 | 26,3 | 26,8 | 24,9 | 25,7 | 25,4 | 26,1 | 26,6 |
| 8H | 4H | 23,7 | 24,5 | 24,1 | 25,0 | 25,4 | 24,6 | 25,5 | 25,1 | 25,9 | 26,4 |
| | 6H | 24,8 | 25,5 | 25,2 | 25,9 | 26,4 | 25,2 | 25,9 | 25,6 | 26,3 | 26,8 |
| | 8H | 25,3 | 26,0 | 25,8 | 26,5 | 27,0 | 25,4 | 26,0 | 25,9 | 26,5 | 27,0 |
| | 12H | 26,0 | 26,5 | 26,5 | 27,0 | 27,6 | 25,5 | 26,1 | 26,0 | 26,6 | 27,1 |
| 12H | 4H | 23,8 | 24,5 | 24,2 | 25,0 | 25,5 | 24,7 | 25,5 | 25,2 | 25,9 | 26,4 |
| | 6H | 24,9 | 25,5 | 25,4 | 26,0 | 26,5 | 25,3 | 25,9 | 25,8 | 26,4 | 26,9 |
| | 8H | 25,5 | 26,1 | 26,1 | 26,6 | 27,1 | 25,5 | 26,1 | 26,1 | 26,6 | 27,1 |

| | | | | | |
|--|---|------------|--------------|------------|-------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1480 B = 78 | H(C0) = 13 | H(C180) = 13 | 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° | | 14039.9 | 14777.3 | 16924.8 | 20208.8 | 22457.9 | 21672.8 | 21066.5 | |
| 50° | | 11972.8 | 12561.7 | 14290.8 | 17112.4 | 19673.4 | 20171.1 | 20117.8 | |
| 55° | | 10371.8 | 10905.4 | 12540.5 | 14941.5 | 17086.2 | 17930.4 | 18625.2 | |
| 60° | | 9214.8 | 9627.2 | 11041.9 | 13373.7 | 14960.9 | 15481.5 | 16512.7 | |
| 65° | | 8666.4 | 8943.6 | 9928.7 | 12008.4 | 13296.8 | 13249.1 | 14158.4 | |
| 70° | | 8651.0 | 8797.1 | 9265.2 | 10802.5 | 11916.2 | 11322.7 | 12016.6 | |
| 75° | | 8990.1 | 9027.5 | 9049.2 | 9877.1 | 10610.6 | 9616.9 | 10110.1 | |
| 80° | | 9521.6 | 9472.1 | 9264.9 | 9329.2 | 9477.9 | 8264.5 | 8387.1 | |
| 85° | | 10278.9 | 10223.2 | 9944.4 | 9578.4 | 8974.9 | 7350.6 | 6972.1 | |

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

