

Lichttechnischer Prüfbefund

Familie

Licross® 11 Protected



Bestell-Nr.: 51TP13CN4E5S

EAN: 4058352930335

LP-Nummer

58527_96

Ausführung

Prismenabdeckung, satiniert, extrem eng strahlend

Bestückung

LED 4000 K | CRI ≥ 80

Betriebsgerät

EVG-Multilumen CLOi

Bemessungswerte

Nettolichtstrom = 14500 lm

Systemleistung = 77.6 W

Lichtausbeute = 186.9 lm/W

Seriendokumentation

12.10.2023

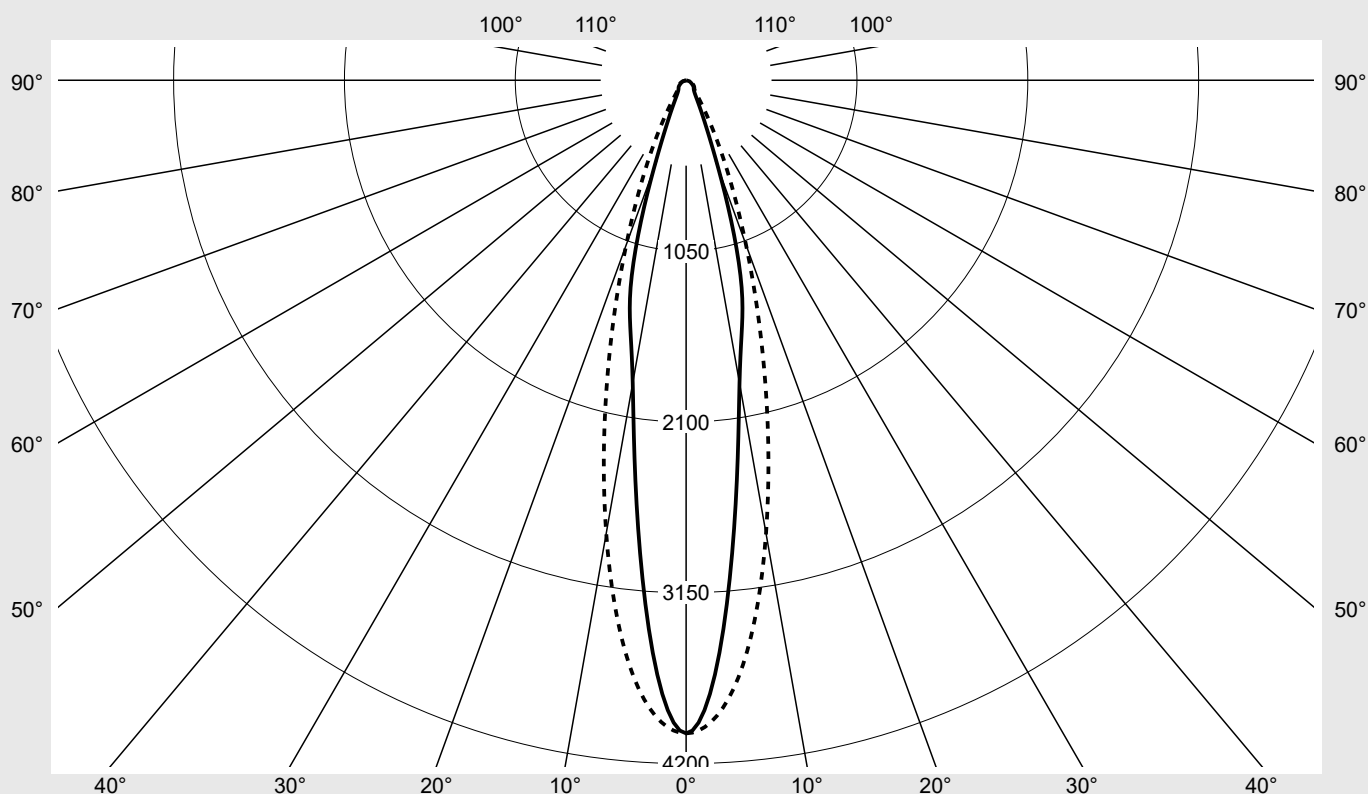
SITECO

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



Klassifizierungen

DIN 5040

A 8 1

CIE

N1=89 N2=96 N3=99

N4=100 N5=100

Leuchtenbetriebswirkungsgrade

 η_{LB}

100,0%

 ϕ_u

99,7%

 ϕ_o

0,3%

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° | 4014.0 | 4014.0 | 4014.0 | 4014.0 | 4014.0 | 4014.0 | 4014.0 | 24.0 | 24.0 |
| 5° | 3075.0 | 3073.4 | 3140.6 | 3286.7 | 3470.0 | 3619.0 | 3684.9 | 159.0 | 183.0 |
| 10° | 1889.9 | 1876.2 | 1856.5 | 1927.7 | 2182.7 | 2591.5 | 2828.1 | 203.0 | 386.0 |
| 15° | 1318.5 | 1331.1 | 1324.1 | 1227.2 | 1167.4 | 1498.4 | 1861.2 | 192.4 | 578.4 |
| 20° | 585.4 | 606.8 | 689.8 | 798.0 | 693.5 | 737.0 | 1075.9 | 136.1 | 714.5 |
| 25° | 239.7 | 246.3 | 276.4 | 361.8 | 426.5 | 351.4 | 567.8 | 79.8 | 794.2 |
| 30° | 128.7 | 127.4 | 129.3 | 152.0 | 214.6 | 178.7 | 273.1 | 45.8 | 840.1 |
| 35° | 88.6 | 83.8 | 76.3 | 80.1 | 101.4 | 103.4 | 134.8 | 29.2 | 869.2 |
| 40° | 73.1 | 66.6 | 55.1 | 52.3 | 60.4 | 70.8 | 85.4 | 22.6 | 891.8 |
| 45° | 65.6 | 58.2 | 44.9 | 39.5 | 42.7 | 55.1 | 71.6 | 20.0 | 911.8 |
| 50° | 58.1 | 50.6 | 38.4 | 32.4 | 32.8 | 44.4 | 65.0 | 18.2 | 930.0 |
| 55° | 47.1 | 41.7 | 33.1 | 27.2 | 26.3 | 35.1 | 57.2 | 16.1 | 946.1 |
| 60° | 37.8 | 33.0 | 27.8 | 22.9 | 21.3 | 27.1 | 47.5 | 13.8 | 959.9 |
| 65° | 30.0 | 25.5 | 22.6 | 19.4 | 17.3 | 20.3 | 35.6 | 11.4 | 971.3 |
| 70° | 23.9 | 19.8 | 17.3 | 16.1 | 13.9 | 14.7 | 23.4 | 9.1 | 980.4 |
| 75° | 19.2 | 15.7 | 12.9 | 12.9 | 10.8 | 10.0 | 13.4 | 6.9 | 987.3 |
| 80° | 14.6 | 12.1 | 9.7 | 9.6 | 7.9 | 6.2 | 6.6 | 5.0 | 992.4 |
| 85° | 10.5 | 9.0 | 7.3 | 6.7 | 5.6 | 3.2 | 2.3 | 3.5 | 995.8 |
| 90° | 7.5 | 6.5 | 5.5 | 4.5 | 3.7 | 1.4 | 0.2 | 2.3 | 998.2 |
| 95° | 6.1 | 5.4 | 4.5 | 3.6 | 2.8 | 0.8 | 0.2 | 1.8 | 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 | 14,8 | 15,9 | 15,1 | 16,2 | 16,5 | 15,3 | 16,4 | 15,7 | 16,7 | 17,0 |
| | 3H | 16,4 | 17,1 | 16,8 | 17,5 | 17,8 | 16,8 | 17,6 | 17,2 | 17,9 | 18,3 |
| | 4H | 16,8 | 17,7 | 17,2 | 18,0 | 18,4 | 17,0 | 17,9 | 17,4 | 18,3 | 18,6 |
| | 6H | 17,2 | 18,2 | 17,6 | 18,6 | 19,0 | 17,0 | 18,0 | 17,5 | 18,4 | 18,8 |
| | 8H | 17,9 | 18,5 | 18,3 | 18,9 | 19,3 | 17,2 | 18,1 | 17,6 | 18,4 | 18,9 |
| | 12H | 17,9 | 18,7 | 18,3 | 19,1 | 19,5 | 17,2 | 18,0 | 17,6 | 18,4 | 18,8 |
| 4H | 2H | 15,0 | 15,9 | 15,4 | 16,3 | 16,6 | 15,5 | 16,4 | 15,9 | 16,7 | 17,1 |
| | 3H | 16,5 | 17,3 | 16,9 | 17,7 | 18,1 | 16,8 | 17,5 | 17,2 | 17,9 | 18,4 |
| | 4H | 17,3 | 18,0 | 17,7 | 18,4 | 18,8 | 17,3 | 18,0 | 17,8 | 18,4 | 18,8 |
| | 6H | 17,8 | 18,6 | 18,3 | 19,1 | 19,5 | 17,4 | 18,2 | 17,9 | 18,6 | 19,1 |
| | 8H | 18,5 | 19,0 | 19,0 | 19,4 | 19,9 | 17,8 | 18,3 | 18,3 | 18,7 | 19,2 |
| | 12H | 18,6 | 19,3 | 19,1 | 19,7 | 20,2 | 17,6 | 18,2 | 18,1 | 18,7 | 19,2 |
| 8H | 4H | 17,5 | 18,0 | 18,0 | 18,4 | 18,9 | 17,5 | 18,0 | 18,0 | 18,4 | 18,9 |
| | 6H | 18,7 | 18,8 | 19,2 | 19,3 | 19,8 | 18,0 | 18,3 | 18,5 | 18,8 | 19,3 |
| | 8H | 18,8 | 19,2 | 19,3 | 19,7 | 20,2 | 18,1 | 18,5 | 18,6 | 18,9 | 19,5 |
| | 12H | 19,0 | 19,6 | 19,5 | 20,1 | 20,6 | 17,9 | 18,5 | 18,4 | 18,9 | 19,5 |
| 12H | 4H | 17,2 | 17,9 | 17,7 | 18,3 | 18,8 | 17,2 | 17,9 | 17,7 | 18,3 | 18,8 |
| | 6H | 18,1 | 18,7 | 18,6 | 19,2 | 19,7 | 17,7 | 18,3 | 18,2 | 18,8 | 19,3 |
| | 8H | 18,6 | 19,2 | 19,1 | 19,7 | 20,2 | 17,9 | 18,5 | 18,4 | 19,0 | 19,5 |

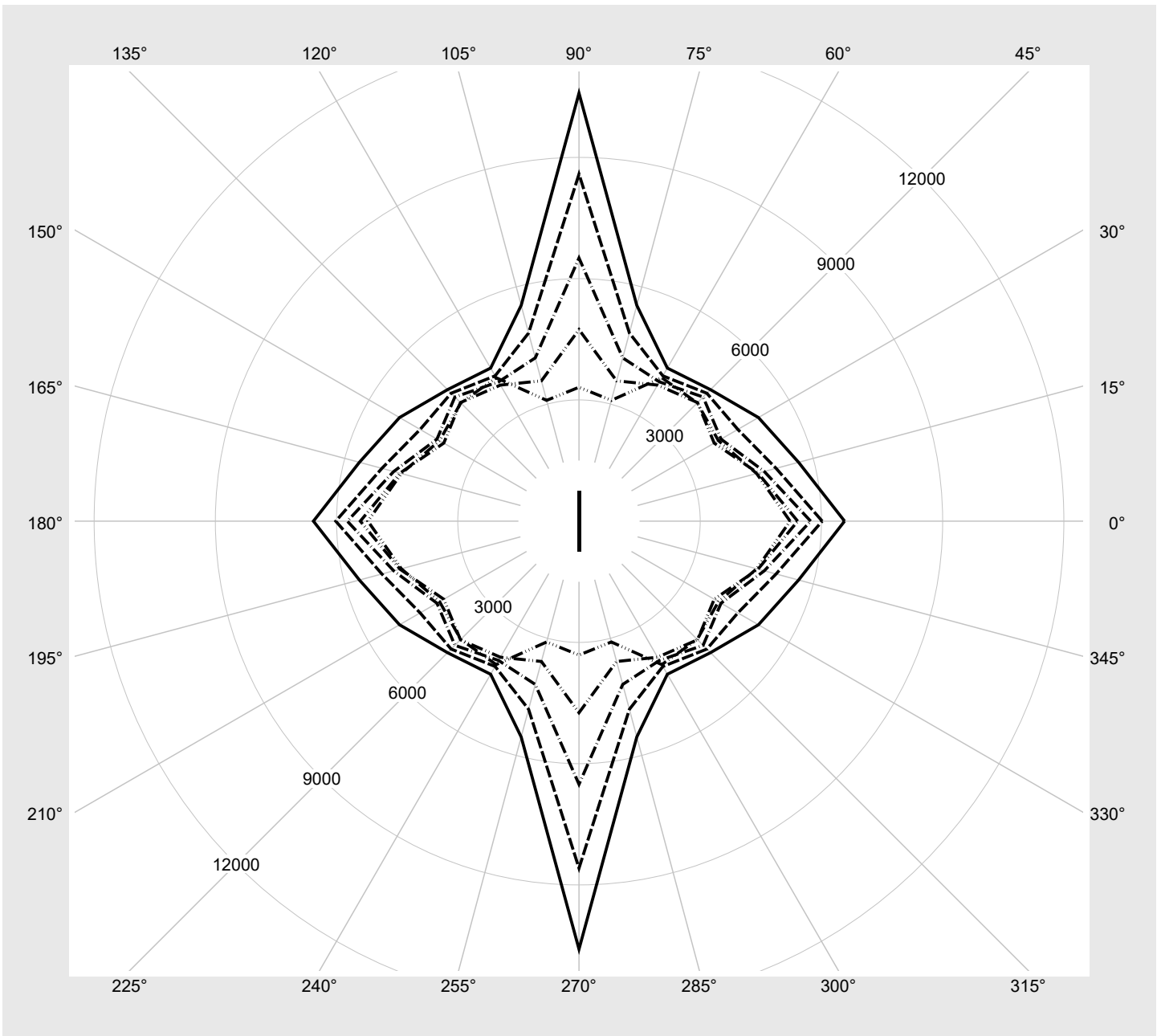
| | | | | | |
|--|---|------------|--------------|------------|-------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1480 B = 78 | H(C0) = 13 | H(C180) = 13 | H(C90) = 0 | H(C270) = 0 |
|--|---|------------|--------------|------------|-------------|

| 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° | 45° | 9995.6 | 8899.2 | 6973.3 | 6276.5 | 7008.9 | 9390.9 | 12721.6 | |
| 50° | 50° | 9463.7 | 8290.1 | 6399.6 | 5550.2 | 5824.9 | 8254.7 | 12700.8 | |
| 55° | 55° | 8339.8 | 7419.8 | 6010.6 | 5092.9 | 5144.1 | 7238.2 | 12519.3 | |
| 60° | 60° | 7370.8 | 6474.8 | 5591.0 | 4776.9 | 4681.2 | 6327.8 | 11921.8 | |
| 65° | 65° | 6573.0 | 5626.5 | 5128.1 | 4601.7 | 4373.5 | 5527.7 | 10590.2 | |
| 70° | 70° | 6019.9 | 5050.0 | 4539.6 | 4475.6 | 4151.0 | 4819.6 | 8586.3 | |
| 75° | 75° | 5733.6 | 4747.2 | 4059.3 | 4344.0 | 3980.2 | 4181.8 | 6511.3 | |
| 80° | 80° | 5412.4 | 4587.3 | 3863.7 | 4149.2 | 3887.8 | 3594.5 | 4739.3 | |
| 85° | 85° | 5224.4 | 4551.7 | 3984.5 | 4138.0 | 4098.0 | 3094.6 | 3313.3 | |

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



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| Familie Licross® 11 Protected | Bestell-Nr.: 51TP13CN4E5S EAN: 4058352930335 | LP-Nummer 58527_96 |
| Multilumen-Tabelle | | Umgebungstemperatur: 25°C |
| siteco | | |

| DIP-Stufe | Schalterstellung | | | Lichtstrom [lm] | Systemleistung [W] | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|-----------|------------------|---|---|--------------------|-----------------------|---------------------------------------|------------------------------------|
| | 1 | 2 | 3 | | | | |
| 1 | A | C | E | 14500 | 77.6 | 87.4 | 82.5 |
| 2 | A | C | F | 13233 | 70.1 | 79.0 | 74.6 |
| 3 | A | D | E | 12254 | 64.3 | 74.9 | 69.6 |
| 4 | A | D | F | 11178 | 58.3 | 65.2 | 61.8 |
| 5 | B | C | E | 10167 | 52.6 | 58.7 | 55.6 |
| 6 | B | C | F | 9156 | 47.0 | 52.2 | 49.6 |
| 7 | B | D | E | 8134 | 41.5 | 46.2 | 43.8 |
| 8 | B | D | F | 7090 | 36.0 | 39.9 | 38.0 |