
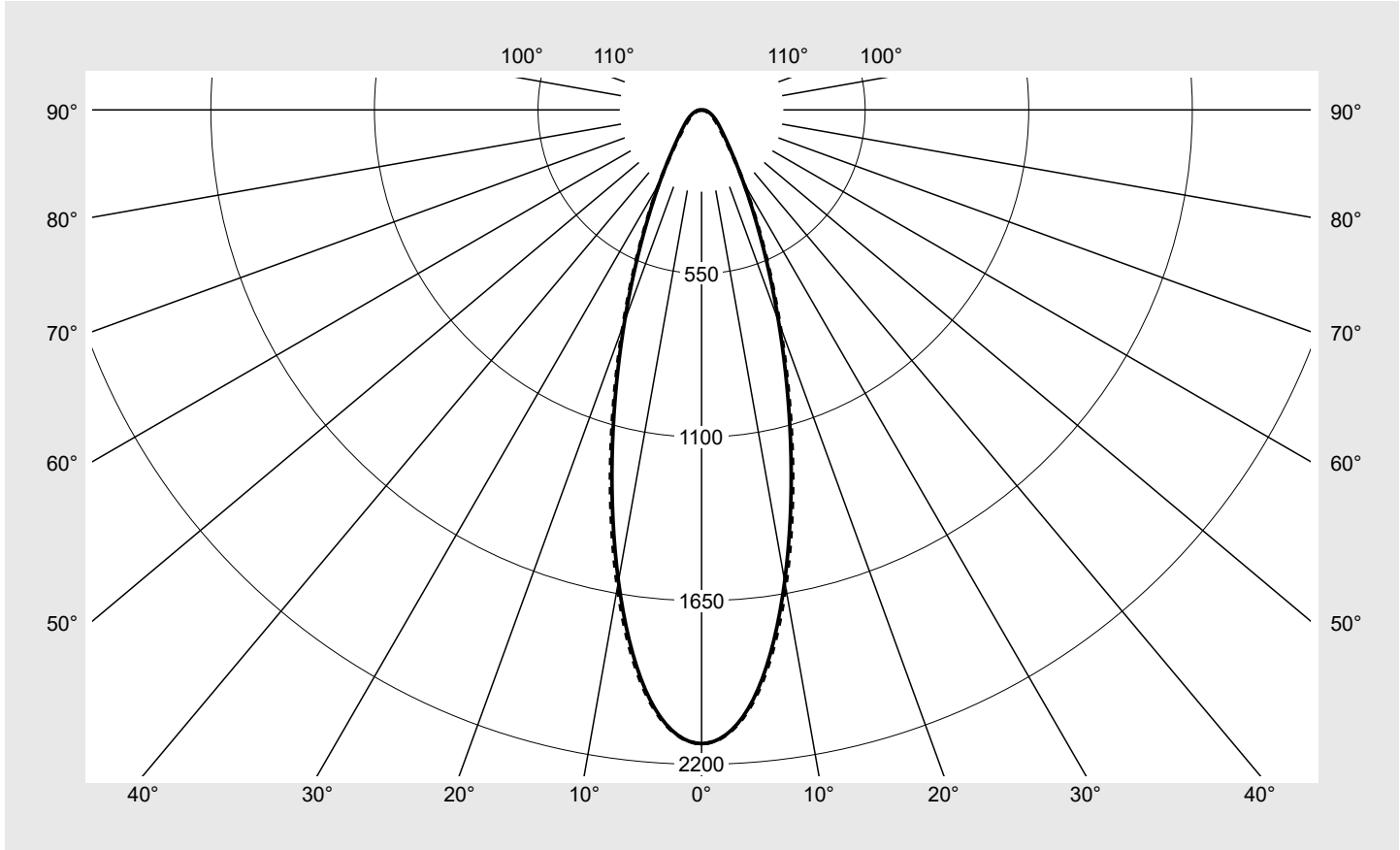


Photometric test report

| | | |
|---|---|--|
| Family Licross® 11 Protected | Order number: 51TD11MN4GXS EAN: 4058352928608 | LP number 58525_200 |
| | Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 16070 lm Power consumption = 87.4 W Luminous efficacy = 183.9 lm/W | serial documentation 11.10.2023 |



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2130 cd/klm**



| Classifications | |
|-----------------|-----------------------------------|
| DIN 5040 | A 7 1 |
| CIE | N1=84 N2=94 N3=98 N4=99 N5=100 |

| Luminaire light output ratios | |
|-------------------------------|--------|
| η_{LB} | 100.0% |
| ϕ_u | 99.1% |
| ϕ_o | 0.9% |

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

| | | |
|---|--|--------------------------------------|
| Family Licross® 11 Protected | Order number: 51TD11MN4GXS EAN: 4058352928608 | LP number 58525_200 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | sITeco |

| C-planes γ | 0° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | Phi-zone | Total Phi-zone |
|---------------|--------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------|-------------------------|
| | 180° | Luminous intensity in cd/klm | | | | | | | Luminous flux in lm/klm |
| 0° | 2130.5 | 2130.5 | 2130.5 | 2130.5 | 2130.5 | 2130.5 | 2130.5 | 12.7 | 12.7 |
| 5° | 1990.0 | 1982.4 | 1972.8 | 1980.9 | 1991.5 | 1994.0 | 1997.3 | 94.9 | 107.6 |
| 10° | 1609.4 | 1602.7 | 1594.9 | 1604.0 | 1616.7 | 1623.6 | 1628.9 | 153.3 | 260.9 |
| 15° | 1156.5 | 1152.7 | 1146.1 | 1151.7 | 1161.7 | 1170.4 | 1176.7 | 164.3 | 425.2 |
| 20° | 757.1 | 754.5 | 751.0 | 754.8 | 760.5 | 766.7 | 772.3 | 142.2 | 567.4 |
| 25° | 464.1 | 463.3 | 461.4 | 464.7 | 468.5 | 471.4 | 475.4 | 108.1 | 675.5 |
| 30° | 281.8 | 280.0 | 276.3 | 277.8 | 280.6 | 282.2 | 284.6 | 76.7 | 752.2 |
| 35° | 178.8 | 175.8 | 169.5 | 168.1 | 169.9 | 172.0 | 174.0 | 54.1 | 806.3 |
| 40° | 123.8 | 119.7 | 111.6 | 107.8 | 108.9 | 112.2 | 115.0 | 39.9 | 846.2 |
| 45° | 92.5 | 87.9 | 79.0 | 74.1 | 74.5 | 78.8 | 82.8 | 31.1 | 877.3 |
| 50° | 72.9 | 68.3 | 60.1 | 54.9 | 54.7 | 59.1 | 63.7 | 25.6 | 902.9 |
| 55° | 58.5 | 54.5 | 47.8 | 42.9 | 42.0 | 45.8 | 50.2 | 21.5 | 924.4 |
| 60° | 46.6 | 43.5 | 38.6 | 34.6 | 32.9 | 35.6 | 39.1 | 18.0 | 942.5 |
| 65° | 36.7 | 34.5 | 31.1 | 28.0 | 26.1 | 27.3 | 29.5 | 14.9 | 957.4 |
| 70° | 28.5 | 27.0 | 24.6 | 22.5 | 20.4 | 20.1 | 21.2 | 12.0 | 969.4 |
| 75° | 21.8 | 20.7 | 19.0 | 17.5 | 15.4 | 14.0 | 14.0 | 9.2 | 978.6 |
| 80° | 16.2 | 15.4 | 14.3 | 12.9 | 10.9 | 8.9 | 8.1 | 6.7 | 985.3 |
| 85° | 11.7 | 11.2 | 10.3 | 9.1 | 7.1 | 4.7 | 3.5 | 4.6 | 989.8 |
| 90° | 8.1 | 7.7 | 6.9 | 5.8 | 3.9 | 1.7 | 0.3 | 2.8 | 992.6 |
| 95° | 6.9 | 6.6 | 5.8 | 4.7 | 3.0 | 1.1 | 0.2 | 2.3 | 994.8 |
| 100° | 6.0 | 5.6 | 4.9 | 3.8 | 2.2 | 0.6 | 0.2 | 1.8 | 996.7 |
| 105° | 5.1 | 4.8 | 4.0 | 2.9 | 1.5 | 0.3 | 0.2 | 1.4 | 998.1 |
| 110° | 4.3 | 4.0 | 3.2 | 2.2 | 0.9 | 0.2 | 0.2 | 1.1 | 999.2 |
| 115° | 3.6 | 3.2 | 2.5 | 1.6 | 0.5 | 0.3 | 0.3 | 0.8 | 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-Table | Standard room | siteco |
|------------------|----------------------|---------------|

| | | | | | | | | | | | |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| Reflection factor of ceiling | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| Reflection factor of walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| Reflection factor of floor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | View crosswise (C0) | | | | | View endwise (C90) | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 17.7 | 18.9 | 18.1 | 19.2 | 19.5 | 17.3 | 18.6 | 17.7 | 18.9 | 19.2 |
| | 3H | 18.8 | 19.9 | 19.2 | 20.2 | 20.5 | 18.3 | 19.3 | 18.6 | 19.7 | 20.0 |
| | 4H | 19.3 | 20.3 | 19.7 | 20.6 | 21.0 | 18.6 | 19.6 | 19.0 | 20.0 | 20.4 |
| | 6H | 19.8 | 20.6 | 20.2 | 21.0 | 21.4 | 18.9 | 19.8 | 19.3 | 20.2 | 20.6 |
| | 8H | 20.1 | 20.8 | 20.5 | 21.2 | 21.6 | 19.1 | 19.9 | 19.5 | 20.2 | 20.6 |
| | 12H | 20.3 | 21.0 | 20.7 | 21.3 | 21.8 | 19.2 | 19.8 | 19.6 | 20.2 | 20.7 |
| 4H | 2H | 18.0 | 19.0 | 18.4 | 19.3 | 19.7 | 17.6 | 18.6 | 18.0 | 19.0 | 19.4 |
| | 3H | 19.2 | 20.1 | 19.7 | 20.5 | 20.9 | 18.7 | 19.6 | 19.2 | 19.9 | 20.4 |
| | 4H | 19.9 | 20.6 | 20.3 | 21.0 | 21.5 | 19.2 | 19.9 | 19.7 | 20.4 | 20.8 |
| | 6H | 20.5 | 21.1 | 21.0 | 21.6 | 22.0 | 19.6 | 20.2 | 20.1 | 20.7 | 21.1 |
| | 8H | 20.8 | 21.3 | 21.3 | 21.8 | 22.3 | 19.8 | 20.3 | 20.2 | 20.8 | 21.2 |
| | 12H | 21.1 | 21.6 | 21.6 | 22.0 | 22.5 | 19.9 | 20.3 | 20.4 | 20.8 | 21.3 |
| 8H | 4H | 20.1 | 20.6 | 20.5 | 21.1 | 21.5 | 19.5 | 20.0 | 19.9 | 20.5 | 20.9 |
| | 6H | 20.8 | 21.3 | 21.3 | 21.7 | 22.3 | 20.0 | 20.4 | 20.5 | 20.9 | 21.4 |
| | 8H | 21.2 | 21.6 | 21.7 | 22.1 | 22.6 | 20.2 | 20.6 | 20.7 | 21.1 | 21.6 |
| | 12H | 21.6 | 21.9 | 22.1 | 22.4 | 23.0 | 20.3 | 20.7 | 20.9 | 21.2 | 21.7 |
| 12H | 4H | 20.1 | 20.5 | 20.6 | 21.0 | 21.5 | 19.5 | 20.0 | 20.0 | 20.4 | 20.9 |
| | 6H | 20.9 | 21.3 | 21.4 | 21.7 | 22.3 | 20.1 | 20.4 | 20.6 | 20.9 | 21.5 |
| | 8H | 21.3 | 21.6 | 21.8 | 22.1 | 22.7 | 20.3 | 20.6 | 20.8 | 21.2 | 21.7 |

| | | | | | |
|------------------------|---|--------------------------------------|-----------------|-------------------|---------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 1480 | H(C0) = 13 | H(C180) = 13 |
| | | | B = 78 | H(C90) = 0 | H(C270) = 0 |

| C-planes | γ | Luminance 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° | 15613.7 | 14897.5 | 13594.0 | 13052.2 | 13543.2 | 14875.4 | 16291.0 | |
| 50° | 50° | 13172.8 | 12413.2 | 11112.6 | 10432.1 | 10767.1 | 12179.9 | 13786.0 | |
| 55° | 55° | 11475.4 | 10761.4 | 9616.9 | 8915.4 | 9103.2 | 10478.4 | 12185.7 | |
| 60° | 60° | 10078.1 | 9479.2 | 8597.2 | 7989.4 | 8015.2 | 9228.7 | 10885.9 | |
| 65° | 65° | 8907.6 | 8448.5 | 7832.2 | 7372.8 | 7299.8 | 8218.3 | 9706.2 | |
| 70° | 70° | 7950.6 | 7611.1 | 7171.4 | 6907.7 | 6771.8 | 7329.0 | 8618.5 | |
| 75° | 75° | 7213.2 | 6945.9 | 6637.0 | 6523.7 | 6320.9 | 6469.6 | 7536.9 | |
| 80° | 80° | 6687.0 | 6470.2 | 6297.9 | 6203.8 | 5915.8 | 5703.4 | 6456.6 | |
| 85° | 85° | 6449.9 | 6279.5 | 6205.5 | 6214.5 | 5778.6 | 5075.0 | 5577.5 | |

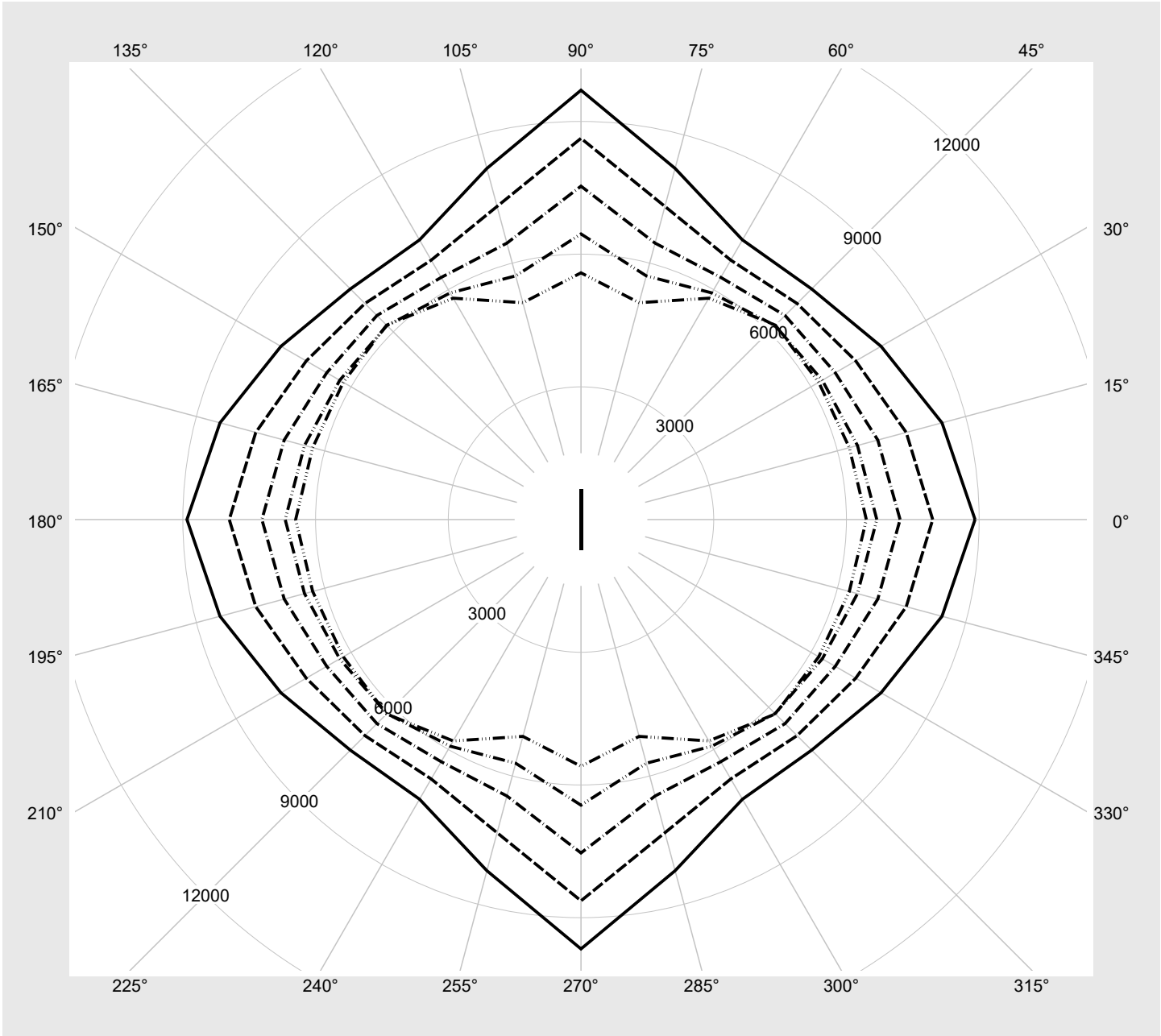
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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| | | |
|-------------------------|---------------------------------|---------------|
| Multilumen Table | environmental temperature: 25°C | sITeco |
|-------------------------|---------------------------------|---------------|

| DIP-Step | Switch Setting | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|---|---|-----------------------|--------------------------|
| | 1 | 2 | 3 | | |
| 1 | A | C | E | 16070 | 87.4 |
| 2 | A | C | F | 15271 | 82.6 |
| 3 | A | D | E | 14238 | 76.2 |
| 4 | A | D | F | 13205 | 70.1 |
| 5 | B | C | E | 12226 | 64.3 |
| 6 | B | C | F | 11150 | 58.3 |
| 7 | B | D | E | 10149 | 52.6 |
| 8 | B | D | F | 9137 | 47.0 |