

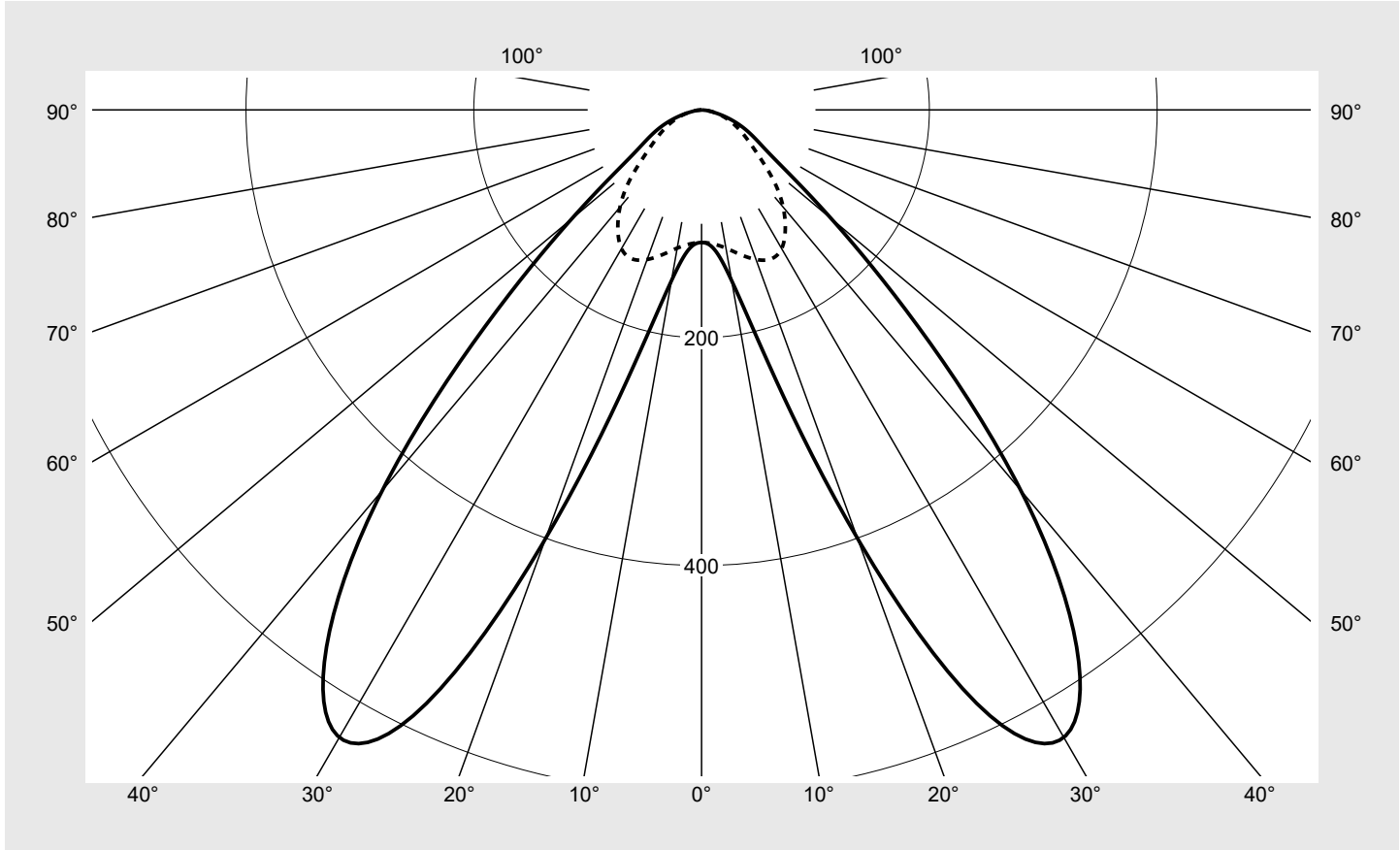


Photometric test report

| | | |
|--|--|---|
| Family Licross® 11 Recessed | Order number: 51TE19MN495G EAN: 4058352940587 | LP number 58532_422 |
|  | Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 9850 lm Power consumption = 55.2 W Luminous efficacy = 178.5 lm/W | serial documentation 11.10.2023 |
| | |  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 4 0 |
| CIE | N1=55 N2=89 N3=98 N4=100 N5=100 |

| Luminaire light output ratios | |
|-------------------------------|--------|
| η_{LB} | 100.0% |
| ϕ_u | 100.0% |
| ϕ_o | 0.0% |

| Measurement conditions |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

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sITeco

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|---|-----------------------------------|
| Table of values for luminous intensities | Maximum luminous intensity |
|---|-----------------------------------|

| C-planes γ | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | Total | |
|----------------------|------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|------------------------------|----------|
| | | | | | | | | Phi-zone | Phi-zone |
| | | | | | | | | Luminous flux in lm/klm | |
| | | | | | | | | Luminous intensity in cd/klm | |
| 0° | 116.4 | 116.4 | 116.4 | 116.4 | 116.4 | 116.4 | 116.4 | 0.7 | 0.7 |
| 5° | 122.3 | 121.8 | 120.5 | 120.1 | 119.3 | 118.4 | 118.1 | 5.7 | 6.4 |
| 10° | 152.3 | 149.6 | 141.1 | 133.1 | 127.4 | 124.1 | 123.2 | 12.9 | 19.3 |
| 15° | 235.7 | 226.2 | 196.7 | 164.2 | 142.2 | 133.3 | 131.4 | 24.7 | 44.1 |
| 20° | 400.4 | 377.8 | 306.4 | 227.1 | 167.8 | 143.8 | 139.7 | 46.6 | 90.7 |
| 25° | 577.7 | 557.7 | 476.8 | 343.4 | 212.9 | 153.0 | 144.3 | 81.3 | 172.0 |
| 30° | 636.1 | 636.8 | 610.4 | 517.3 | 280.0 | 157.9 | 140.6 | 118.3 | 290.3 |
| 35° | 573.7 | 597.7 | 662.3 | 665.7 | 347.9 | 155.6 | 128.2 | 145.7 | 436.0 |
| 40° | 436.2 | 470.5 | 613.4 | 703.5 | 376.1 | 144.6 | 111.4 | 151.6 | 587.6 |
| 45° | 268.7 | 299.8 | 459.0 | 605.2 | 334.0 | 122.5 | 91.2 | 129.2 | 716.8 |
| 50° | 149.1 | 168.3 | 276.5 | 419.8 | 259.3 | 97.4 | 69.0 | 93.1 | 809.9 |
| 55° | 85.3 | 95.5 | 151.2 | 245.9 | 199.7 | 79.3 | 53.1 | 62.9 | 872.9 |
| 60° | 59.3 | 63.7 | 88.0 | 138.5 | 152.7 | 65.0 | 42.1 | 44.2 | 917.1 |
| 65° | 44.9 | 47.0 | 60.8 | 84.9 | 110.7 | 51.4 | 33.0 | 32.6 | 949.7 |
| 70° | 31.7 | 33.1 | 42.5 | 56.3 | 76.3 | 38.4 | 24.7 | 23.6 | 973.3 |
| 75° | 19.0 | 20.1 | 26.0 | 34.9 | 49.6 | 26.3 | 17.0 | 15.4 | 988.7 |
| 80° | 8.8 | 9.4 | 12.7 | 18.2 | 27.0 | 15.2 | 9.8 | 8.3 | 997.0 |
| 85° | 3.4 | 3.6 | 4.7 | 6.8 | 9.5 | 5.9 | 3.7 | 3.1 | 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-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 | 25.1 | 26.7 | 25.5 | 27.0 | 27.4 | 23.9 | 25.6 | 24.3 | 25.9 | 26.2 |
| | 3H | 25.3 | 26.7 | 25.6 | 27.0 | 27.4 | 24.2 | 25.7 | 24.6 | 26.0 | 26.3 |
| | 4H | 25.3 | 26.7 | 25.7 | 27.0 | 27.4 | 24.3 | 25.7 | 24.7 | 26.0 | 26.4 |
| | 6H | 25.3 | 26.5 | 25.7 | 26.9 | 27.3 | 24.3 | 25.6 | 24.7 | 26.0 | 26.4 |
| | 8H | 25.4 | 26.5 | 25.8 | 26.9 | 27.3 | 24.3 | 25.5 | 24.7 | 25.9 | 26.3 |
| | 12H | 25.3 | 26.4 | 25.8 | 26.8 | 27.2 | 24.3 | 25.5 | 24.7 | 25.9 | 26.3 |
| 4H | 2H | 25.5 | 26.9 | 25.9 | 27.2 | 27.6 | 24.6 | 26.0 | 25.0 | 26.3 | 26.7 |
| | 3H | 25.8 | 26.9 | 26.2 | 27.3 | 27.7 | 25.4 | 26.5 | 25.8 | 26.9 | 27.3 |
| | 4H | 25.9 | 26.9 | 26.3 | 27.3 | 27.7 | 25.6 | 26.6 | 26.0 | 27.0 | 27.5 |
| | 6H | 25.9 | 26.8 | 26.4 | 27.2 | 27.7 | 25.7 | 26.6 | 26.2 | 27.0 | 27.5 |
| | 8H | 25.9 | 26.7 | 26.4 | 27.1 | 27.6 | 25.7 | 26.6 | 26.2 | 27.0 | 27.5 |
| | 12H | 25.9 | 26.6 | 26.4 | 27.1 | 27.6 | 25.7 | 26.5 | 26.2 | 26.9 | 27.4 |
| 8H | 4H | 26.0 | 26.8 | 26.5 | 27.3 | 27.7 | 25.8 | 26.6 | 26.3 | 27.1 | 27.5 |
| | 6H | 26.1 | 26.8 | 26.6 | 27.2 | 27.7 | 26.1 | 26.8 | 26.6 | 27.2 | 27.7 |
| | 8H | 26.1 | 26.7 | 26.6 | 27.2 | 27.7 | 26.2 | 26.8 | 26.7 | 27.3 | 27.8 |
| | 12H | 26.1 | 26.6 | 26.6 | 27.1 | 27.6 | 26.2 | 26.7 | 26.7 | 27.2 | 27.8 |
| 12H | 4H | 26.0 | 26.8 | 26.5 | 27.2 | 27.7 | 25.8 | 26.5 | 26.3 | 27.0 | 27.5 |
| | 6H | 26.1 | 26.7 | 26.6 | 27.2 | 27.7 | 26.1 | 26.7 | 26.6 | 27.2 | 27.7 |
| | 8H | 26.1 | 26.7 | 26.7 | 27.2 | 27.7 | 26.3 | 26.7 | 26.8 | 27.2 | 27.8 |

| | | | |
|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 1500 B = 58 |
|------------------------|---|--------------------------------------|----------------------------------|

| 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° | | 43017.3 | 47995.9 | 73495.0 | 96896.3 | 53473.3 | 19616.0 | 14600.2 |
| 50° | | 26255.8 | 29650.5 | 48706.3 | 73936.5 | 45675.7 | 17158.5 | 12149.4 |
| 55° | | 16845.1 | 18849.6 | 29849.2 | 48543.6 | 39417.6 | 15644.2 | 10474.1 |
| 60° | | 13426.3 | 14434.9 | 19928.5 | 31354.0 | 34571.2 | 14729.0 | 9534.1 |
| 65° | | 12027.0 | 12604.0 | 16288.7 | 22747.4 | 29661.9 | 13762.4 | 8829.1 |
| 70° | | 10506.8 | 10954.1 | 14080.6 | 18620.7 | 25268.7 | 12719.8 | 8170.8 |
| 75° | | 8314.0 | 8801.8 | 11384.4 | 15274.2 | 21706.8 | 11513.0 | 7432.6 |
| 80° | | 5729.1 | 6096.8 | 8276.5 | 11881.4 | 17598.7 | 9922.1 | 6412.4 |
| 85° | | 4477.8 | 4671.3 | 6050.9 | 8771.1 | 12401.9 | 7609.7 | 4863.6 |

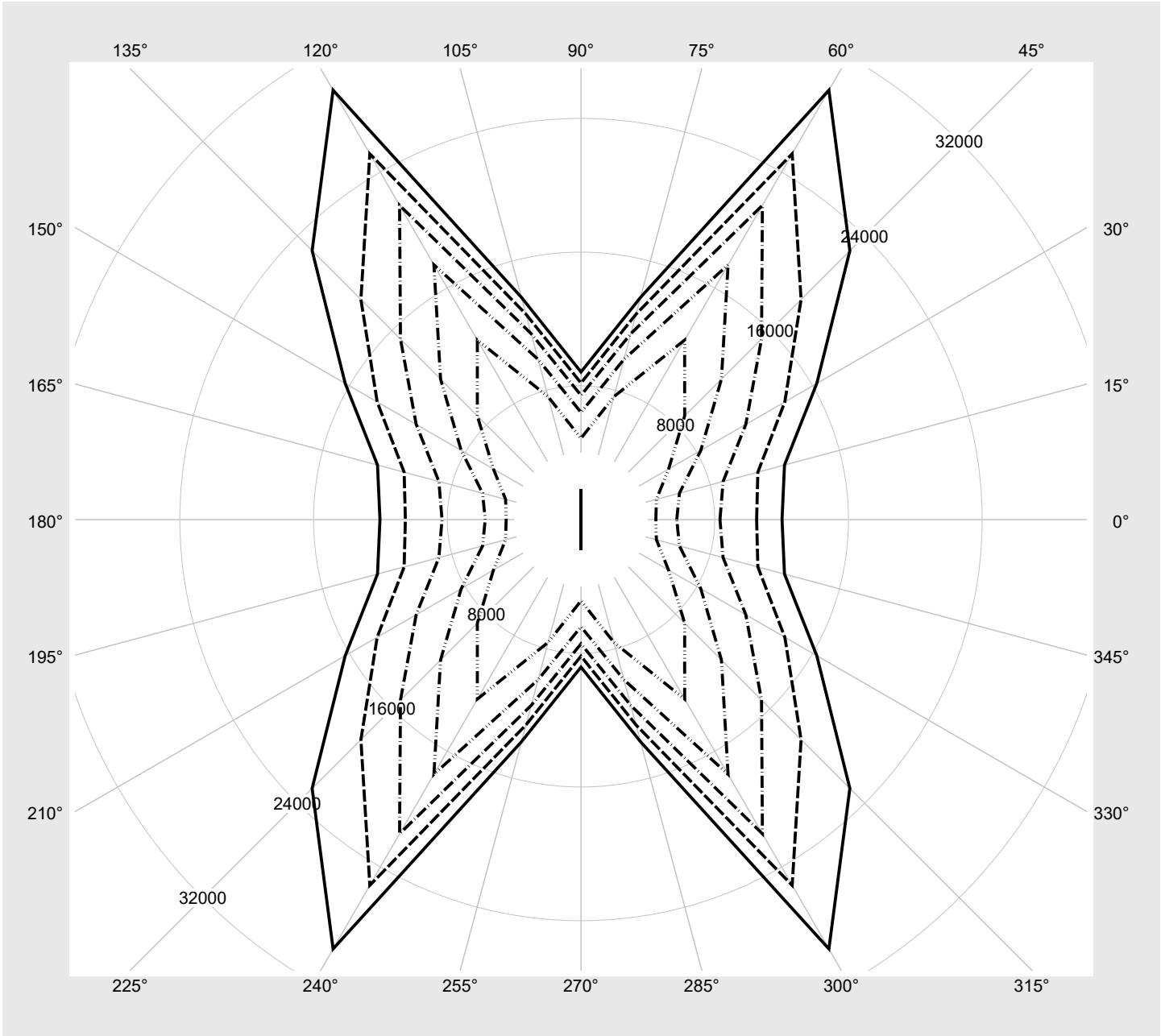
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE19MN495G
EAN: 4058352940587

LP number
58532_422

Multilumen Table

environmental temperature: 25°C

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| DIP-Step | Switch Setting | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|---|---|-----------------------|--------------------------|
| | 1 | 2 | 3 | | |
| 1 | A | C | E | 9850 | 55.2 |
| 2 | A | C | F | 9420 | 52.5 |
| 3 | A | D | E | 8910 | 49.3 |
| 4 | A | D | F | 8400 | 46.2 |
| 5 | B | C | E | 7660 | 41.7 |
| 6 | B | C | F | 7440 | 40.4 |
| 7 | B | D | E | 6910 | 37.4 |
| 8 | B | D | F | 6460 | 34.8 |