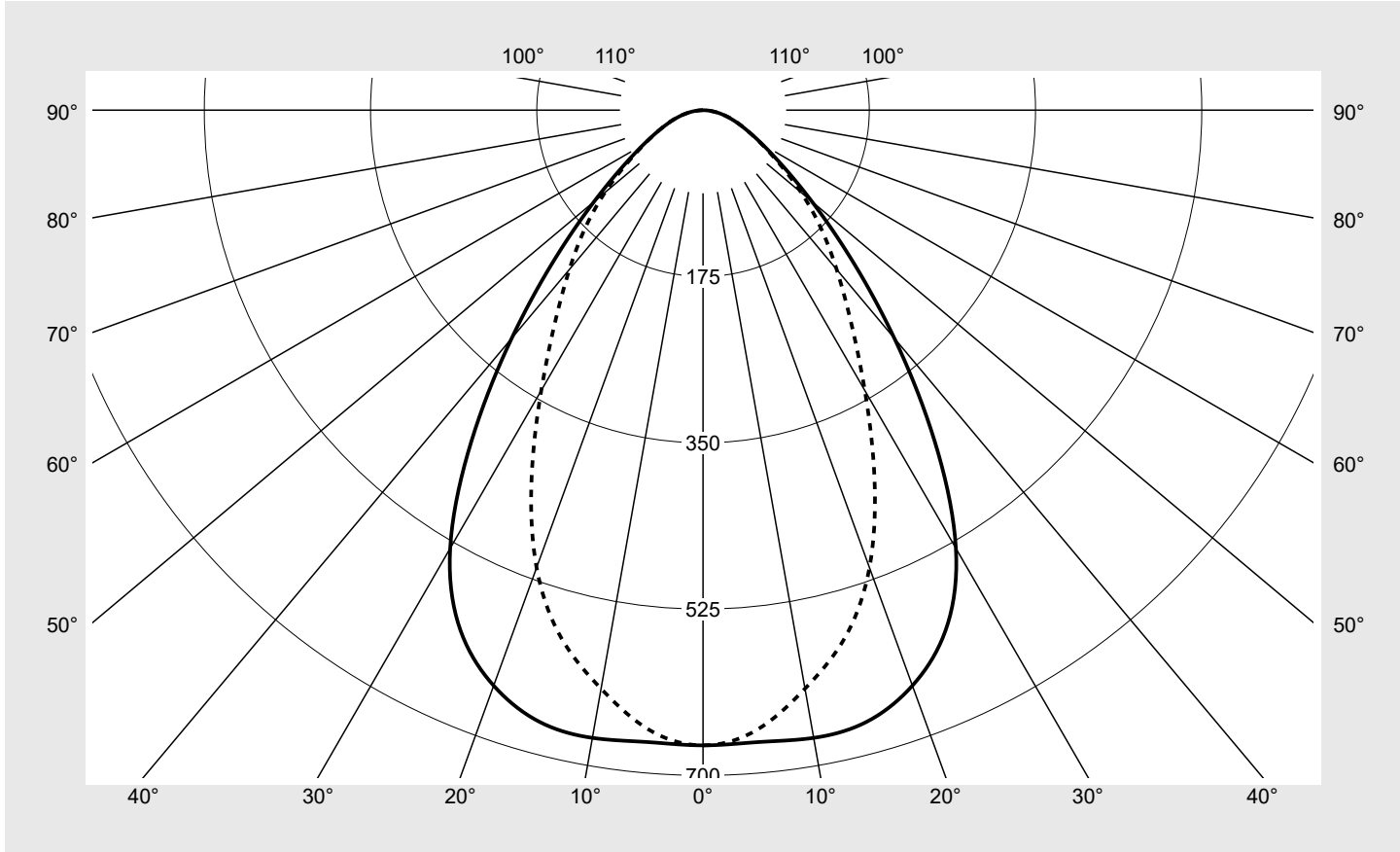


Photometric test report

| | | |
|--|---|---|
| Family Licross® 21 Recessed | Order number: 52TE12DV4FXG3C EAN: 4058352907962 | LP number 59101_325 |
|  | Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting emergency light operation: 3 h Rated values Net luminous flux = 950 lm Power consumption = 5.5 W Luminous efficacy = 172.7 lm/W | serial documentation 17.08.2023  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 671 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 6 0 |
| CIE | N1=72 N2=92 N3=99 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

Photometric test report

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|---|--|--------------------------------------|
| Family Licross® 21 Recessed | Order number: 52TE12DV4FXG3C EAN: 4058352907962 | LP number 59101_325 |
| 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 |
|---------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|-------------------------|-------------------|
| | Luminous intensity in cd/klm | | | | | | | Luminous flux in lm/klm | |
| 0° | 668.4 | 668.4 | 668.4 | 668.4 | 668.4 | 668.4 | 668.4 | 4.0 | 4.0 |
| 5° | 667.5 | 664.4 | 657.4 | 655.8 | 655.7 | 654.2 | 654.4 | 31.4 | 35.4 |
| 10° | 670.7 | 665.0 | 649.1 | 636.1 | 625.3 | 618.7 | 618.1 | 60.9 | 96.3 |
| 15° | 666.2 | 657.2 | 632.9 | 612.0 | 594.0 | 578.5 | 575.5 | 87.4 | 183.7 |
| 20° | 644.4 | 632.9 | 606.9 | 585.4 | 554.6 | 522.7 | 512.3 | 108.8 | 292.5 |
| 25° | 604.1 | 590.6 | 566.7 | 541.2 | 494.5 | 444.9 | 427.0 | 121.8 | 414.2 |
| 30° | 532.4 | 517.7 | 496.3 | 466.1 | 413.9 | 359.9 | 340.6 | 122.9 | 537.1 |
| 35° | 425.0 | 409.7 | 387.0 | 361.9 | 325.4 | 286.0 | 271.1 | 111.0 | 648.1 |
| 40° | 313.4 | 295.8 | 270.7 | 255.1 | 246.8 | 229.4 | 218.8 | 91.8 | 739.9 |
| 45° | 219.2 | 200.3 | 175.7 | 171.1 | 181.8 | 184.7 | 175.5 | 71.8 | 811.7 |
| 50° | 149.7 | 132.6 | 112.6 | 116.3 | 133.0 | 145.6 | 134.9 | 54.8 | 866.5 |
| 55° | 102.7 | 89.1 | 74.7 | 81.5 | 98.1 | 107.9 | 98.1 | 41.3 | 907.7 |
| 60° | 72.4 | 62.1 | 51.3 | 58.3 | 71.8 | 76.5 | 71.0 | 31.0 | 938.7 |
| 65° | 52.1 | 44.3 | 35.9 | 41.6 | 51.4 | 54.2 | 52.1 | 23.1 | 961.9 |
| 70° | 37.6 | 31.7 | 24.7 | 29.1 | 35.6 | 38.4 | 38.3 | 16.9 | 978.8 |
| 75° | 26.0 | 21.3 | 16.2 | 19.0 | 22.9 | 25.9 | 26.8 | 11.6 | 990.4 |
| 80° | 16.1 | 12.5 | 9.2 | 10.4 | 12.6 | 14.8 | 15.7 | 6.8 | 997.3 |
| 85° | 7.0 | 5.4 | 3.8 | 4.1 | 4.8 | 5.7 | 5.8 | 2.7 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |

Photometric test report

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| Family Licross® 21 Recessed | Order number: 52TE12DV4FXG3C EAN: 4058352907962 | LP number 59101_325 |
|---------------------------------------|--|-------------------------------|

| | | |
|------------------|----------------------|---------------|
| 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 | 12.2 | 13.6 | 12.5 | 13.9 | 14.2 | 12.1 | 13.5 | 12.5 | 13.8 | 14.2 |
| | 3H | 12.7 | 14.0 | 13.1 | 14.3 | 14.7 | 12.9 | 14.1 | 13.3 | 14.5 | 14.8 |
| | 4H | 13.0 | 14.2 | 13.4 | 14.6 | 14.9 | 13.2 | 14.4 | 13.6 | 14.8 | 15.1 |
| | 6H | 13.3 | 14.3 | 13.7 | 14.7 | 15.1 | 13.5 | 14.6 | 13.9 | 14.9 | 15.3 |
| | 8H | 13.5 | 14.4 | 13.9 | 14.8 | 15.2 | 13.6 | 14.6 | 14.0 | 15.0 | 15.4 |
| | 12H | 13.5 | 14.4 | 14.0 | 14.8 | 15.2 | 13.7 | 14.6 | 14.1 | 15.0 | 15.4 |
| 4H | 2H | 12.3 | 13.5 | 12.7 | 13.9 | 14.2 | 12.3 | 13.5 | 12.7 | 13.8 | 14.2 |
| | 3H | 13.0 | 14.0 | 13.4 | 14.4 | 14.8 | 13.3 | 14.2 | 13.7 | 14.6 | 15.0 |
| | 4H | 13.3 | 14.2 | 13.8 | 14.6 | 15.1 | 13.7 | 14.6 | 14.1 | 15.0 | 15.4 |
| | 6H | 13.7 | 14.4 | 14.1 | 14.8 | 15.3 | 14.1 | 14.8 | 14.5 | 15.2 | 15.7 |
| | 8H | 13.8 | 14.5 | 14.3 | 14.9 | 15.4 | 14.2 | 14.9 | 14.7 | 15.3 | 15.8 |
| | 12H | 13.9 | 14.5 | 14.4 | 15.0 | 15.5 | 14.3 | 14.9 | 14.8 | 15.3 | 15.8 |
| 8H | 4H | 13.4 | 14.1 | 13.9 | 14.5 | 15.0 | 13.8 | 14.4 | 14.2 | 14.9 | 15.4 |
| | 6H | 13.8 | 14.3 | 14.3 | 14.8 | 15.3 | 14.2 | 14.7 | 14.7 | 15.2 | 15.7 |
| | 8H | 13.9 | 14.4 | 14.4 | 14.9 | 15.4 | 14.3 | 14.8 | 14.8 | 15.3 | 15.8 |
| | 12H | 14.1 | 14.5 | 14.6 | 15.0 | 15.5 | 14.5 | 14.9 | 15.0 | 15.4 | 15.9 |
| 12H | 4H | 13.4 | 14.0 | 13.9 | 14.5 | 15.0 | 13.8 | 14.3 | 14.3 | 14.8 | 15.3 |
| | 6H | 13.8 | 14.3 | 14.3 | 14.7 | 15.3 | 14.2 | 14.7 | 14.7 | 15.1 | 15.7 |
| | 8H | 14.0 | 14.4 | 14.5 | 14.9 | 15.4 | 14.4 | 14.8 | 14.9 | 15.3 | 15.8 |

| | | | |
|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 2250 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° | | 2256.9 | 2062.6 | 1808.6 | 1761.8 | 1871.6 | 1901.5 | 1807.0 | |
| 50° | | 1695.2 | 1501.4 | 1275.3 | 1317.2 | 1506.2 | 1649.2 | 1527.3 | |
| 55° | | 1303.0 | 1131.2 | 948.3 | 1034.7 | 1244.8 | 1370.0 | 1244.5 | |
| 60° | | 1053.8 | 904.6 | 747.0 | 849.5 | 1044.9 | 1114.0 | 1033.4 | |
| 65° | | 897.5 | 763.9 | 619.2 | 717.0 | 886.2 | 932.8 | 896.6 | |
| 70° | | 799.8 | 674.4 | 525.8 | 618.4 | 757.0 | 817.3 | 815.3 | |
| 75° | | 731.3 | 599.0 | 456.6 | 533.8 | 644.4 | 727.4 | 753.6 | |
| 80° | | 674.5 | 525.8 | 386.9 | 437.9 | 529.4 | 622.5 | 659.9 | |
| 85° | | 584.9 | 450.5 | 318.1 | 343.0 | 403.3 | 472.3 | 487.6 | |

Photometric test report

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

