

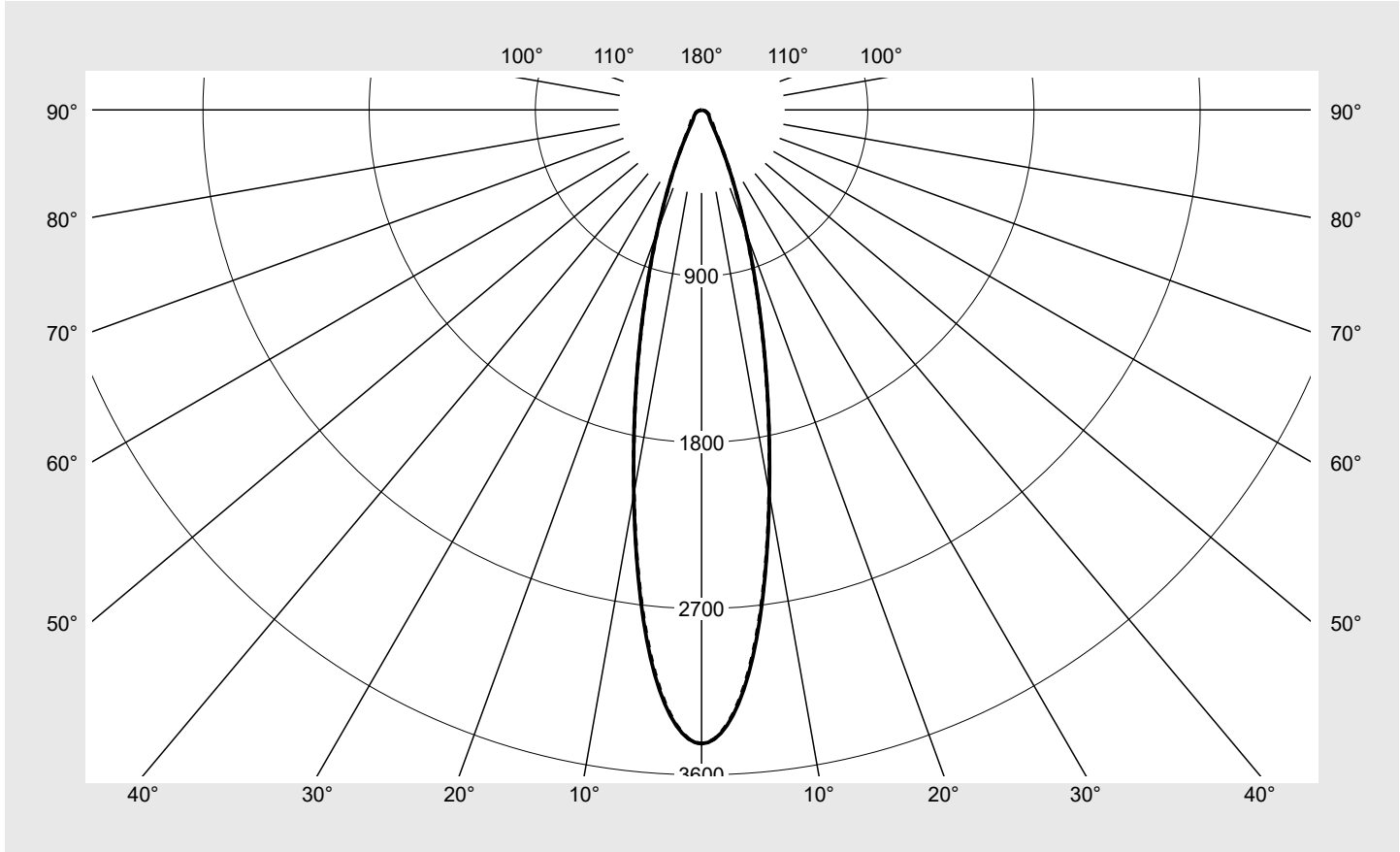


Photometric test report

| | | |
|--|--|---|
| Family Licross® 11 Recessed | Order number: 51TL11DN6D5S EAN: 4069025457387 | LP number 58784_344 |
|  | Version cover frosted, narrow distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 13680 lm Power consumption = 76.8 W Luminous efficacy = 178.1 lm/W | serial documentation 27.05.2025 |
| | |  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 7 0 |
| CIE | N1=87 N2=95 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 |

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

| C-planes γ | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-zone | Total Phi-zone |
|------------------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| Luminous intensity in cd/klm | | | | | | | Luminous flux in lm/klm | | |
| 0° | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 3431.3 | 20.5 | 20.5 |
| 5° | 3030.0 | 3009.9 | 2995.2 | 3008.4 | 3015.8 | 3015.7 | 3017.5 | 143.9 | 164.4 |
| 10° | 2113.5 | 2098.5 | 2092.1 | 2104.8 | 2111.9 | 2109.7 | 2109.2 | 200.3 | 364.7 |
| 15° | 1287.2 | 1281.7 | 1283.9 | 1294.7 | 1294.7 | 1286.2 | 1283.2 | 182.7 | 547.4 |
| 20° | 703.4 | 705.4 | 717.6 | 726.5 | 719.3 | 702.5 | 697.3 | 133.5 | 680.9 |
| 25° | 354.0 | 358.8 | 370.9 | 376.0 | 367.5 | 355.6 | 354.0 | 84.3 | 765.2 |
| 30° | 176.2 | 179.2 | 185.6 | 185.7 | 179.6 | 178.8 | 183.6 | 49.7 | 814.9 |
| 35° | 102.4 | 102.6 | 103.9 | 102.5 | 99.6 | 107.7 | 116.7 | 32.8 | 847.7 |
| 40° | 73.1 | 72.4 | 71.7 | 70.6 | 70.7 | 80.9 | 90.2 | 26.3 | 874.0 |
| 45° | 60.7 | 58.7 | 57.0 | 56.9 | 57.9 | 66.7 | 75.5 | 23.6 | 897.6 |
| 50° | 52.7 | 51.5 | 51.2 | 50.6 | 50.0 | 56.0 | 63.2 | 22.2 | 919.8 |
| 55° | 44.8 | 43.4 | 45.4 | 45.0 | 43.0 | 46.3 | 51.7 | 20.3 | 940.1 |
| 60° | 37.3 | 36.1 | 38.2 | 39.8 | 37.2 | 38.0 | 41.8 | 18.1 | 958.2 |
| 65° | 29.8 | 28.9 | 31.0 | 34.0 | 31.7 | 30.7 | 33.0 | 15.5 | 973.8 |
| 70° | 21.9 | 21.7 | 22.9 | 26.9 | 25.3 | 23.3 | 24.3 | 12.3 | 986.1 |
| 75° | 12.2 | 12.7 | 14.5 | 18.5 | 17.7 | 15.7 | 16.0 | 8.2 | 994.3 |
| 80° | 5.5 | 5.6 | 6.4 | 9.0 | 10.0 | 8.8 | 8.6 | 4.2 | 998.5 |
| 85° | 2.2 | 2.1 | 2.4 | 3.2 | 3.5 | 3.4 | 3.0 | 1.6 | 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 | 17.1 | 18.2 | 17.5 | 18.5 | 18.9 | 17.5 | 18.6 | 17.8 | 18.9 | 19.2 |
| | 3H | 18.4 | 19.4 | 18.8 | 19.8 | 20.1 | 18.9 | 19.9 | 19.3 | 20.2 | 20.6 |
| | 4H | 18.8 | 19.7 | 19.2 | 20.1 | 20.5 | 19.4 | 20.3 | 19.8 | 20.7 | 21.0 |
| | 6H | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 | 19.7 | 20.5 | 20.1 | 20.9 | 21.3 |
| | 8H | 19.1 | 19.8 | 19.5 | 20.2 | 20.6 | 19.9 | 20.6 | 20.3 | 21.0 | 21.4 |
| | 12H | 19.1 | 19.7 | 19.5 | 20.1 | 20.5 | 19.9 | 20.6 | 20.3 | 21.0 | 21.4 |
| 4H | 2H | 17.8 | 18.7 | 18.2 | 19.1 | 19.5 | 18.1 | 19.0 | 18.5 | 19.4 | 19.8 |
| | 3H | 19.3 | 20.1 | 19.7 | 20.5 | 20.9 | 19.7 | 20.5 | 20.2 | 20.9 | 21.3 |
| | 4H | 19.8 | 20.4 | 20.2 | 20.9 | 21.3 | 20.3 | 21.0 | 20.8 | 21.4 | 21.9 |
| | 6H | 19.9 | 20.5 | 20.4 | 21.0 | 21.4 | 20.7 | 21.3 | 21.2 | 21.8 | 22.2 |
| | 8H | 20.0 | 20.5 | 20.5 | 21.0 | 21.4 | 20.9 | 21.4 | 21.4 | 21.8 | 22.3 |
| | 12H | 20.0 | 20.4 | 20.5 | 20.9 | 21.4 | 20.9 | 21.4 | 21.4 | 21.8 | 22.3 |
| 8H | 4H | 20.1 | 20.6 | 20.6 | 21.0 | 21.5 | 20.6 | 21.1 | 21.1 | 21.6 | 22.1 |
| | 6H | 20.4 | 20.8 | 20.9 | 21.2 | 21.7 | 21.2 | 21.6 | 21.7 | 22.0 | 22.6 |
| | 8H | 20.4 | 20.7 | 20.9 | 21.2 | 21.8 | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 |
| | 12H | 20.4 | 20.7 | 20.9 | 21.2 | 21.8 | 21.4 | 21.7 | 21.9 | 22.2 | 22.7 |
| 12H | 4H | 20.1 | 20.5 | 20.6 | 21.0 | 21.5 | 20.6 | 21.0 | 21.1 | 21.5 | 22.0 |
| | 6H | 20.4 | 20.7 | 20.9 | 21.2 | 21.7 | 21.1 | 21.5 | 21.6 | 22.0 | 22.5 |
| | 8H | 20.4 | 20.7 | 20.9 | 21.2 | 21.8 | 21.3 | 21.6 | 21.8 | 22.1 | 22.7 |

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

| | | | | | | | |
|----------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| C-planes | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° |
| γ | Luminance in cd/m ² | | | | | | |
| 45° | 13501.4 | 13058.4 | 12682.8 | 12649.0 | 12874.3 | 14826.7 | 16797.8 |
| 50° | 12902.9 | 12604.7 | 12536.0 | 12384.6 | 12223.4 | 13702.1 | 15463.7 |
| 55° | 12293.6 | 11909.0 | 12453.7 | 12341.9 | 11794.1 | 12703.7 | 14167.4 |
| 60° | 11729.3 | 11346.2 | 12002.5 | 12510.8 | 11709.5 | 11950.7 | 13157.6 |
| 65° | 11081.2 | 10765.3 | 11531.0 | 12633.5 | 11810.8 | 11434.3 | 12274.8 |
| 70° | 10053.7 | 9967.7 | 10522.6 | 12346.9 | 11632.4 | 10711.1 | 11188.8 |
| 75° | 7435.0 | 7703.5 | 8786.8 | 11217.5 | 10737.6 | 9510.9 | 9699.9 |
| 80° | 5017.5 | 5063.7 | 5823.4 | 8173.2 | 9017.1 | 7935.0 | 7788.4 |
| 85° | 3947.5 | 3871.7 | 4274.0 | 5720.9 | 6269.4 | 6085.4 | 5367.3 |

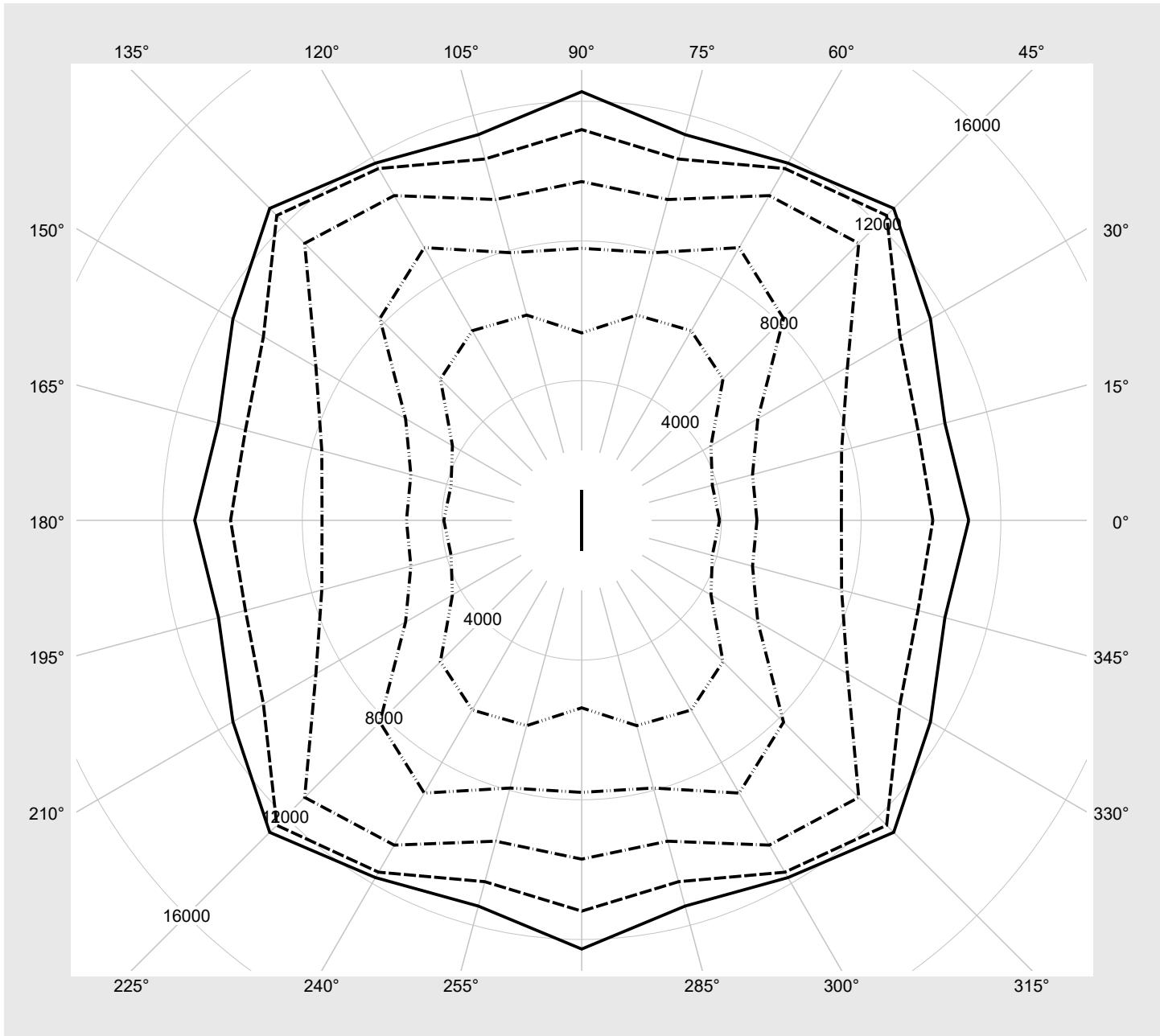
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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|-----------------------------|---------------------------------|---------------|
| Dimming levels table | environmental temperature: 25°C | sITeco |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|
| 100 | 254 | 254 | 13680 | 76.8 |
| 95 | 240 | 252 | 12977 | 72.6 |
| 90 | 227 | 250 | 12318 | 68.6 |
| 85 | 214 | 248 | 11653 | 64.6 |
| 80 | 200 | 245 | 10933 | 60.3 |
| 75 | 187 | 243 | 10260 | 56.5 |
| 70 | 174 | 240 | 9582 | 52.6 |
| 65 | 161 | 237 | 8900 | 48.7 |
| 60 | 148 | 234 | 8210 | 44.8 |
| 55 | 135 | 231 | 7518 | 41.0 |
| 50 | 122 | 227 | 6817 | 37.3 |
| 45 | 110 | 223 | 6167 | 33.8 |
| 40 | 97 | 219 | 5457 | 30.0 |
| 35 | 85 | 214 | 4795 | 26.6 |
| 30 | 73 | 208 | 4129 | 23.2 |
| 25 | 60 | 201 | 3404 | 19.5 |
| 20 | 48 | 193 | 2727 | 16.1 |
| 15 | 36 | 182 | 2048 | 12.6 |
| 10 | 24 | 168 | 1366 | 9.2 |
| 5 | 12 | 142 | 675 | 5.9 |
| 2 | 4 | 102 | 213 | 3.6 |