



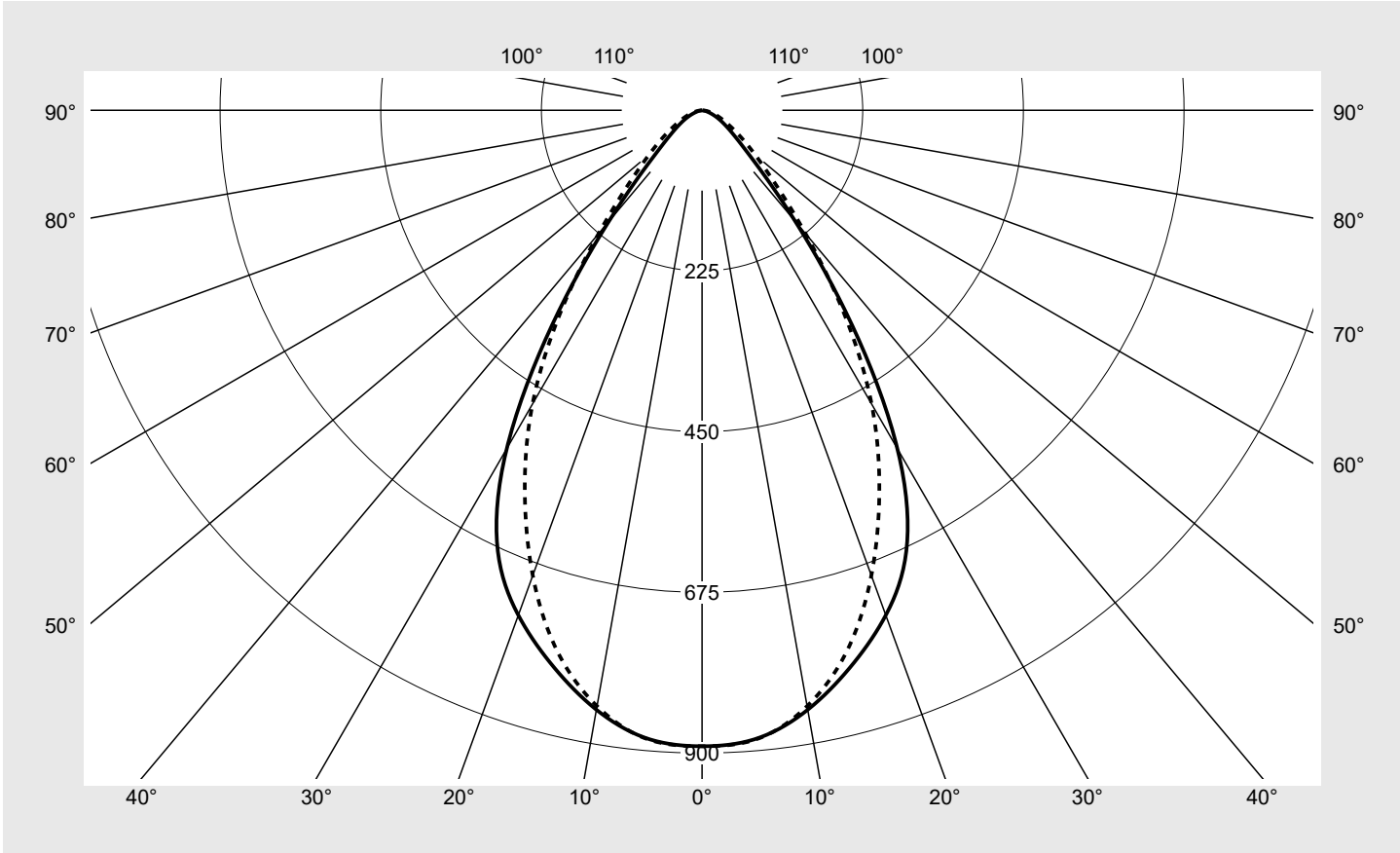
Photometric test report

| | | |
|--|--|--|
| Family Licross® 11 Recessed | Order number: 51TE18DN695G EAN: 4069025276209 | LP number 58691_206 |
| | Version cover frosted, medium distribution, high visual comfort Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9710 lm Power consumption = 56.7 W Luminous efficacy = 171.3 lm/W | serial documentation 06.11.2024 |





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 890 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 6 0 |
| CIE | N1=83 N2=96 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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|---|--|--------------------------------------|
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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° | 890.5 | 890.5 | 890.5 | 890.5 | 890.5 | 890.5 | 890.5 | 5.3 | 5.3 |
| 5° | 883.0 | 882.3 | 875.7 | 876.1 | 880.2 | 881.2 | 883.8 | 42.0 | 47.4 |
| 10° | 852.3 | 852.7 | 846.0 | 846.4 | 847.1 | 846.1 | 847.2 | 80.7 | 128.1 |
| 15° | 806.0 | 807.1 | 800.6 | 798.1 | 793.1 | 786.0 | 783.9 | 113.0 | 241.1 |
| 20° | 752.4 | 753.8 | 745.8 | 735.1 | 719.0 | 700.4 | 693.3 | 136.8 | 377.8 |
| 25° | 677.7 | 678.7 | 666.2 | 642.3 | 616.2 | 594.6 | 587.5 | 147.9 | 525.7 |
| 30° | 547.1 | 547.0 | 530.5 | 500.0 | 481.5 | 475.9 | 474.8 | 139.1 | 664.9 |
| 35° | 364.4 | 363.5 | 349.1 | 327.1 | 328.9 | 340.7 | 345.9 | 108.2 | 773.0 |
| 40° | 203.2 | 202.2 | 193.4 | 185.6 | 201.9 | 218.9 | 225.4 | 71.4 | 844.5 |
| 45° | 108.8 | 108.0 | 102.7 | 103.7 | 123.9 | 139.5 | 144.1 | 45.5 | 890.0 |
| 50° | 66.7 | 66.1 | 62.8 | 66.6 | 83.9 | 94.8 | 97.2 | 31.9 | 921.9 |
| 55° | 45.6 | 45.3 | 45.3 | 49.0 | 60.9 | 67.0 | 67.8 | 24.3 | 946.1 |
| 60° | 31.9 | 31.8 | 34.1 | 38.0 | 45.2 | 47.1 | 47.1 | 18.6 | 964.8 |
| 65° | 21.6 | 21.7 | 24.8 | 28.3 | 33.6 | 33.2 | 32.9 | 14.0 | 978.8 |
| 70° | 13.4 | 13.7 | 16.2 | 19.9 | 24.5 | 23.3 | 22.8 | 9.9 | 988.7 |
| 75° | 7.5 | 7.7 | 9.1 | 12.7 | 16.1 | 15.5 | 14.8 | 6.4 | 995.1 |
| 80° | 4.0 | 4.1 | 4.6 | 6.4 | 8.9 | 8.9 | 8.1 | 3.5 | 998.6 |
| 85° | 1.9 | 1.8 | 2.0 | 2.6 | 3.4 | 3.5 | 3.0 | 1.4 | 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 | 18.9 | 20.2 | 19.2 | 20.5 | 20.8 | 19.8 | 21.1 | 20.1 | 21.4 | 21.7 |
| | 3H | 19.0 | 20.2 | 19.4 | 20.5 | 20.9 | 20.3 | 21.4 | 20.6 | 21.8 | 22.1 |
| | 4H | 19.1 | 20.1 | 19.5 | 20.5 | 20.9 | 20.5 | 21.5 | 20.9 | 21.9 | 22.2 |
| | 6H | 19.1 | 20.0 | 19.5 | 20.4 | 20.8 | 20.6 | 21.5 | 21.0 | 21.9 | 22.3 |
| | 8H | 19.1 | 20.0 | 19.6 | 20.4 | 20.8 | 20.7 | 21.5 | 21.1 | 21.9 | 22.3 |
| | 12H | 19.1 | 19.9 | 19.6 | 20.3 | 20.7 | 20.7 | 21.5 | 21.2 | 21.9 | 22.3 |
| 4H | 2H | 19.0 | 20.1 | 19.4 | 20.4 | 20.8 | 19.9 | 20.9 | 20.3 | 21.3 | 21.7 |
| | 3H | 19.3 | 20.2 | 19.7 | 20.6 | 21.0 | 20.5 | 21.4 | 21.0 | 21.8 | 22.2 |
| | 4H | 19.4 | 20.1 | 19.8 | 20.6 | 21.0 | 20.8 | 21.6 | 21.3 | 22.0 | 22.5 |
| | 6H | 19.4 | 20.1 | 19.8 | 20.5 | 21.0 | 21.0 | 21.7 | 21.5 | 22.1 | 22.6 |
| | 8H | 19.4 | 20.0 | 19.9 | 20.4 | 20.9 | 21.1 | 21.7 | 21.6 | 22.1 | 22.6 |
| | 12H | 19.4 | 19.9 | 19.9 | 20.4 | 20.9 | 21.2 | 21.7 | 21.7 | 22.1 | 22.6 |
| 8H | 4H | 19.5 | 20.1 | 19.9 | 20.5 | 21.0 | 20.8 | 21.4 | 21.3 | 21.9 | 22.4 |
| | 6H | 19.5 | 20.0 | 20.0 | 20.5 | 21.0 | 21.1 | 21.6 | 21.6 | 22.1 | 22.6 |
| | 8H | 19.5 | 19.9 | 20.0 | 20.4 | 21.0 | 21.2 | 21.7 | 21.7 | 22.1 | 22.7 |
| | 12H | 19.5 | 19.9 | 20.1 | 20.4 | 20.9 | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 |
| 12H | 4H | 19.5 | 20.0 | 20.0 | 20.5 | 21.0 | 20.8 | 21.3 | 21.3 | 21.8 | 22.3 |
| | 6H | 19.5 | 19.9 | 20.1 | 20.4 | 21.0 | 21.1 | 21.5 | 21.6 | 22.0 | 22.5 |
| | 8H | 19.6 | 19.9 | 20.1 | 20.4 | 20.9 | 21.2 | 21.6 | 21.8 | 22.1 | 22.6 |

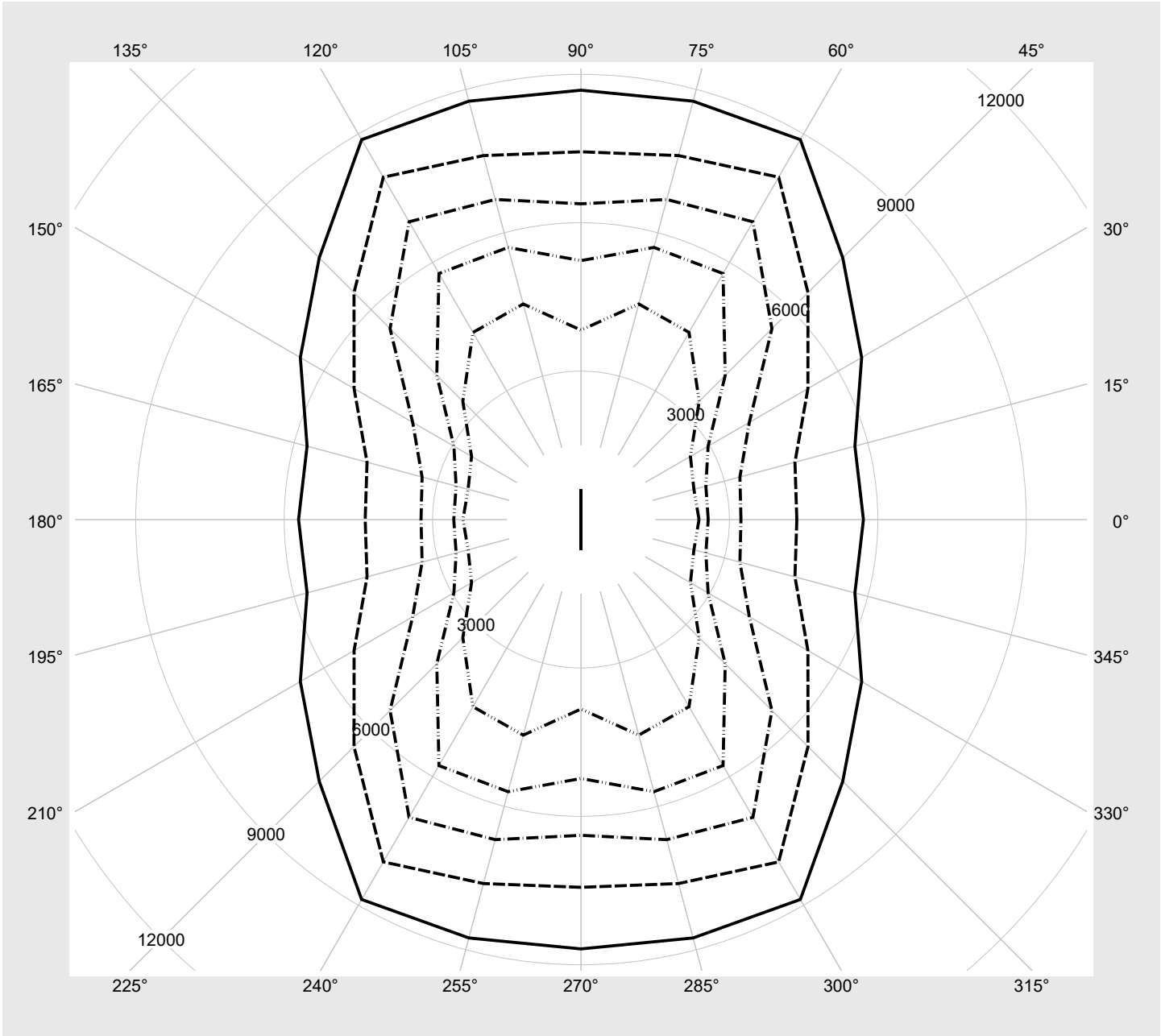
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|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 1500 B = 58 |
|------------------------|---|--------------------------------------|---------------------------------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

| 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° | | 17176.7 | 17051.5 | 16203.0 | 16360.7 | 19560.4 | 22013.5 | 22750.9 | |
| 50° | | 11589.3 | 11477.1 | 10897.6 | 11568.5 | 14573.7 | 16460.1 | 16885.6 | |
| 55° | | 8870.5 | 8816.2 | 8821.1 | 9527.8 | 11841.6 | 13033.5 | 13191.3 | |
| 60° | | 7127.4 | 7092.1 | 7622.7 | 8489.7 | 10081.4 | 10512.2 | 10502.4 | |
| 65° | | 5709.1 | 5732.3 | 6551.0 | 7482.7 | 8867.9 | 8756.2 | 8679.3 | |
| 70° | | 4362.3 | 4477.5 | 5296.2 | 6488.9 | 7991.3 | 7617.4 | 7434.3 | |
| 75° | | 3233.3 | 3325.6 | 3928.9 | 5458.0 | 6950.5 | 6698.6 | 6383.0 | |
| 80° | | 2571.6 | 2613.3 | 2966.8 | 4122.5 | 5742.8 | 5695.2 | 5234.4 | |
| 85° | | 2385.7 | 2362.7 | 2554.7 | 3378.1 | 4368.0 | 4511.5 | 3830.2 | |

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



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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 | 9710 | 56.7 |
| 95 | 240 | 252 | 9218 | 53.6 |
| 90 | 227 | 250 | 8754 | 50.6 |
| 85 | 213 | 248 | 8252 | 47.5 |
| 80 | 200 | 245 | 7782 | 44.6 |
| 75 | 186 | 243 | 7269 | 41.5 |
| 70 | 173 | 240 | 6792 | 38.5 |
| 65 | 160 | 237 | 6310 | 35.7 |
| 60 | 147 | 234 | 5823 | 32.8 |
| 55 | 134 | 231 | 5327 | 29.9 |
| 50 | 122 | 227 | 4870 | 27.4 |
| 45 | 109 | 223 | 4370 | 24.6 |
| 40 | 97 | 219 | 3902 | 22.1 |
| 35 | 84 | 213 | 3393 | 19.3 |
| 30 | 72 | 208 | 2920 | 16.9 |
| 25 | 60 | 201 | 2440 | 14.4 |
| 20 | 48 | 193 | 1959 | 11.8 |
| 15 | 36 | 182 | 1474 | 9.3 |
| 10 | 24 | 168 | 984 | 6.8 |
| 5 | 12 | 142 | 489 | 4.4 |
| 2 | 4 | 102 | 157 | 2.8 |