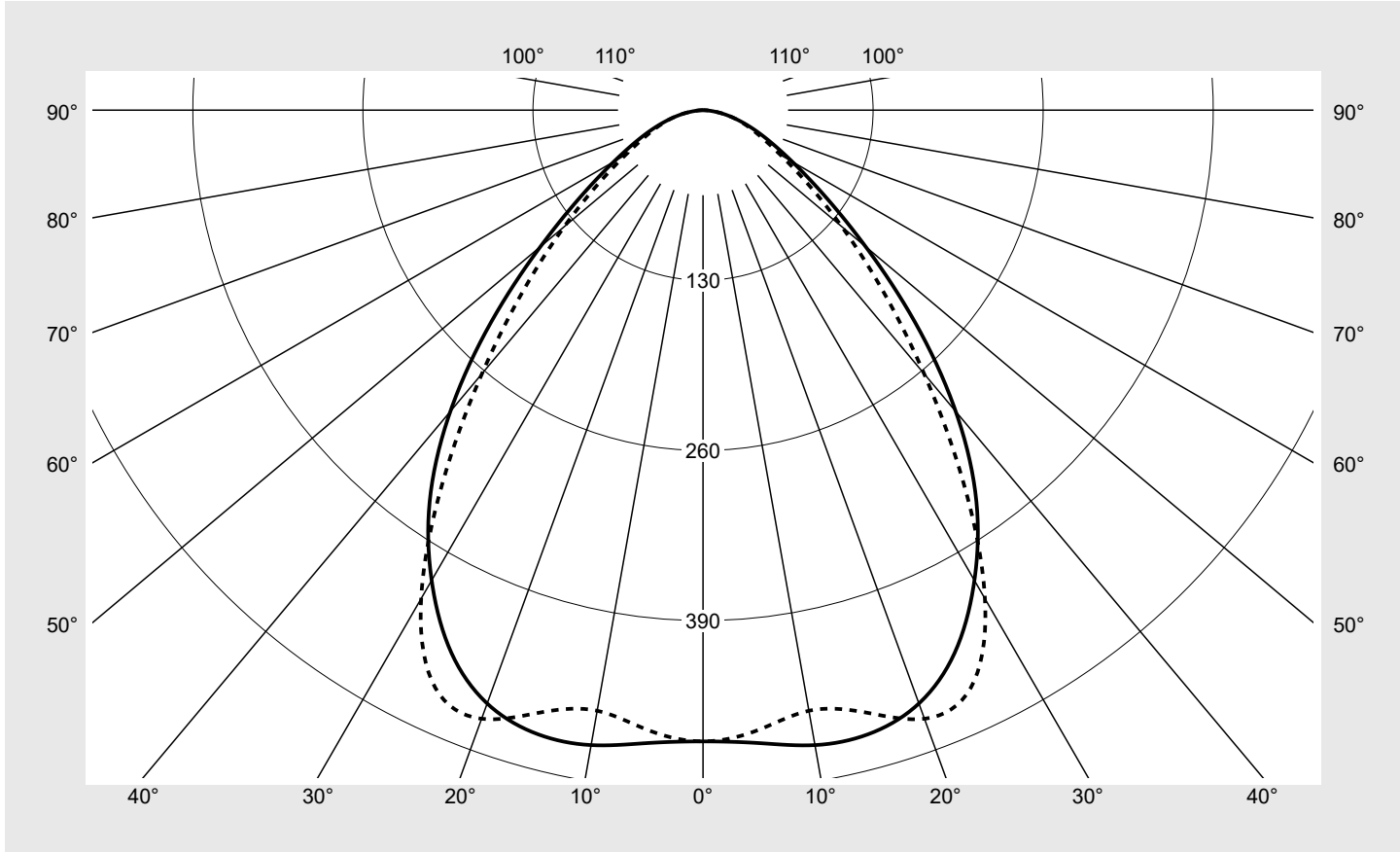


Photometric test report

| | | |
|--|--|--|
| Family Licross® 11 Recessed | Order number: 51TL12DE45XG EAN: 4058352929582 | LP number 58637_165 |
| | Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 5120 lm Power consumption = 29.6 W Luminous efficacy = 173 lm/W | serial documentation 21.09.2023 |



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 498 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 5 0 |
| CIE | N1=67 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

| | | |
|---|--|-----------------------------------|
| Family Licross® 11 Recessed | Order number: 51TL12DE45XG EAN: 4058352929582 | LP number 58637_165 |
| 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° | 482.3 | 482.3 | 482.3 | 482.3 | 482.3 | 482.3 | 482.3 | 2.9 | 2.9 |
| 5° | 485.4 | 482.8 | 478.2 | 477.5 | 477.4 | 475.9 | 475.7 | 22.9 | 25.8 |
| 10° | 492.7 | 488.2 | 477.9 | 471.3 | 467.6 | 465.9 | 466.0 | 45.2 | 71.0 |
| 15° | 493.2 | 486.1 | 471.9 | 467.9 | 471.0 | 473.7 | 476.3 | 67.5 | 138.5 |
| 20° | 482.5 | 473.5 | 462.5 | 471.9 | 487.1 | 492.8 | 494.9 | 89.9 | 228.4 |
| 25° | 456.4 | 447.1 | 449.2 | 479.4 | 497.6 | 491.1 | 485.8 | 109.5 | 337.8 |
| 30° | 414.9 | 406.8 | 427.0 | 475.1 | 479.0 | 447.1 | 431.1 | 121.4 | 459.2 |
| 35° | 364.2 | 358.0 | 387.7 | 436.7 | 420.7 | 368.9 | 346.8 | 122.0 | 581.2 |
| 40° | 300.5 | 296.3 | 322.5 | 357.9 | 336.0 | 284.8 | 262.9 | 110.4 | 691.6 |
| 45° | 229.2 | 226.3 | 238.5 | 259.8 | 247.2 | 211.8 | 193.4 | 90.1 | 781.7 |
| 50° | 162.3 | 159.3 | 161.6 | 173.6 | 174.5 | 155.2 | 138.5 | 68.2 | 849.9 |
| 55° | 112.5 | 108.0 | 105.1 | 112.3 | 121.6 | 110.9 | 97.2 | 49.6 | 899.5 |
| 60° | 78.7 | 73.1 | 68.3 | 73.1 | 83.7 | 77.4 | 68.5 | 35.5 | 935.0 |
| 65° | 56.0 | 50.2 | 45.0 | 48.4 | 56.8 | 54.5 | 49.6 | 25.5 | 960.5 |
| 70° | 39.5 | 34.5 | 29.5 | 32.1 | 37.8 | 38.5 | 36.6 | 18.1 | 978.6 |
| 75° | 26.0 | 22.0 | 18.4 | 20.2 | 23.9 | 25.9 | 25.8 | 12.0 | 990.6 |
| 80° | 14.9 | 12.2 | 9.9 | 10.8 | 13.0 | 14.8 | 15.3 | 6.8 | 997.4 |
| 85° | 5.4 | 4.3 | 3.6 | 4.0 | 4.7 | 5.6 | 5.8 | 2.5 | 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 |

Photometric test report

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|---------------------------------------|--|-------------------------------|
| Family Licross® 11 Recessed | Order number: 51TL12DE45XG EAN: 4058352929582 | LP number 58637_165 |
|---------------------------------------|--|-------------------------------|

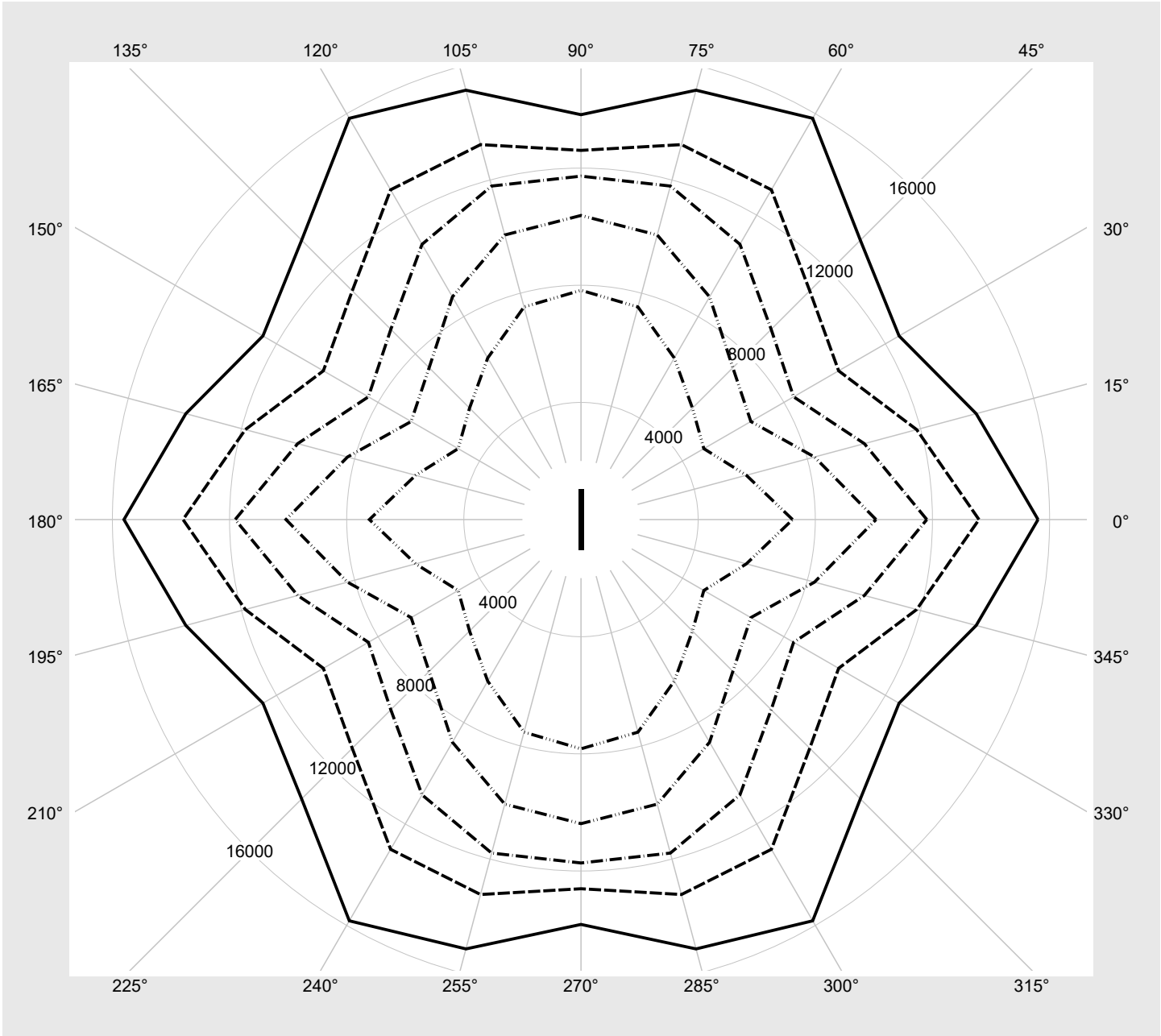
| UGR-Table | | Standard room | | | | | | | | | |
|------------------------------|-----|---------------------|------|------|------|------|--------------------|------|------|------|------|
| Reflection factor of ceiling | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| Reflection factor 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 | 22.7 | 24.2 | 23.1 | 24.5 | 24.8 | 22.8 | 24.3 | 23.2 | 24.6 | 24.9 |
| | 3H | 23.2 | 24.6 | 23.6 | 24.9 | 25.2 | 23.4 | 24.7 | 23.7 | 25.0 | 25.4 |
| | 4H | 23.5 | 24.7 | 23.8 | 25.0 | 25.4 | 23.6 | 24.8 | 24.0 | 25.2 | 25.5 |
| | 6H | 23.6 | 24.7 | 24.0 | 25.1 | 25.5 | 23.8 | 24.9 | 24.2 | 25.3 | 25.7 |
| | 8H | 23.7 | 24.7 | 24.1 | 25.1 | 25.5 | 23.9 | 24.9 | 24.3 | 25.3 | 25.7 |
| | 12H | 23.7 | 24.7 | 24.2 | 25.1 | 25.5 | 23.9 | 24.9 | 24.4 | 25.3 | 25.7 |
| 4H | 2H | 22.9 | 24.2 | 23.3 | 24.5 | 24.9 | 23.0 | 24.3 | 23.4 | 24.6 | 25.0 |
| | 3H | 23.5 | 24.6 | 24.0 | 25.0 | 25.4 | 23.7 | 24.8 | 24.2 | 25.1 | 25.6 |
| | 4H | 23.8 | 24.7 | 24.3 | 25.1 | 25.6 | 24.1 | 25.0 | 24.5 | 25.4 | 25.8 |
| | 6H | 24.0 | 24.8 | 24.5 | 25.3 | 25.7 | 24.3 | 25.1 | 24.8 | 25.6 | 26.0 |
| | 8H | 24.1 | 24.8 | 24.6 | 25.3 | 25.8 | 24.4 | 25.2 | 24.9 | 25.6 | 26.1 |
| | 12H | 24.2 | 24.8 | 24.7 | 25.3 | 25.8 | 24.5 | 25.1 | 25.0 | 25.6 | 26.1 |
| 8H | 4H | 23.9 | 24.6 | 24.4 | 25.0 | 25.5 | 24.1 | 24.8 | 24.6 | 25.3 | 25.8 |
| | 6H | 24.1 | 24.7 | 24.6 | 25.2 | 25.7 | 24.5 | 25.0 | 25.0 | 25.5 | 26.0 |
| | 8H | 24.2 | 24.8 | 24.7 | 25.2 | 25.8 | 24.6 | 25.1 | 25.1 | 25.6 | 26.1 |
| | 12H | 24.3 | 24.7 | 24.8 | 25.2 | 25.8 | 24.7 | 25.1 | 25.2 | 25.6 | 26.2 |
| 12H | 4H | 23.9 | 24.5 | 24.4 | 25.0 | 25.5 | 24.1 | 24.7 | 24.6 | 25.2 | 25.7 |
| | 6H | 24.2 | 24.7 | 24.7 | 25.1 | 25.7 | 24.5 | 25.0 | 25.0 | 25.5 | 26.0 |
| | 8H | 24.3 | 24.7 | 24.8 | 25.2 | 25.7 | 24.6 | 25.0 | 25.1 | 25.5 | 26.1 |

| Luminance table | | Max. for $\gamma \geq 65^\circ$ | | Photometric dimensions in mm: | | L = 750 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° | | 38143.6 | 37669.5 | 39700.7 | 43242.7 | 41141.7 | 35261.7 | 32184.5 |
| 50° | | 29719.0 | 29176.8 | 29591.0 | 31794.9 | 31958.6 | 28425.2 | 25362.3 |
| 55° | | 23081.9 | 22159.3 | 21569.2 | 23053.4 | 24961.6 | 22766.8 | 19941.7 |
| 60° | | 18528.5 | 17217.6 | 16083.6 | 17215.7 | 19692.6 | 18212.1 | 16113.3 |
| 65° | | 15605.7 | 13969.5 | 12540.8 | 13489.7 | 15821.3 | 15178.2 | 13825.0 |
| 70° | | 13588.5 | 11866.5 | 10157.8 | 11045.7 | 13002.5 | 13255.1 | 12606.4 |
| 75° | | 11807.9 | 10015.7 | 8382.6 | 9183.9 | 10854.3 | 11790.2 | 11726.5 |
| 80° | | 10073.7 | 8254.4 | 6696.8 | 7332.6 | 8780.4 | 10060.1 | 10384.1 |
| 85° | | 7225.0 | 5844.8 | 4842.8 | 5381.6 | 6370.2 | 7515.4 | 7828.7 |

Photometric test report

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



Photometric test report

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|---------------------------------------|--|--------------------------------------|
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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 | 5120 | 29.6 |
| 95 | 240 | 252 | 4862 | 28.0 |
| 90 | 226 | 250 | 4599 | 26.3 |
| 85 | 213 | 248 | 4354 | 24.8 |
| 80 | 199 | 245 | 4088 | 23.2 |
| 75 | 186 | 243 | 3838 | 21.7 |
| 70 | 173 | 240 | 3586 | 20.1 |
| 65 | 160 | 237 | 3333 | 18.6 |
| 60 | 147 | 234 | 3076 | 17.1 |
| 55 | 134 | 231 | 2815 | 15.6 |
| 50 | 121 | 227 | 2553 | 14.3 |
| 45 | 109 | 223 | 2309 | 13.1 |
| 40 | 96 | 218 | 2042 | 11.7 |
| 35 | 84 | 213 | 1795 | 10.4 |
| 30 | 72 | 208 | 1544 | 9.1 |
| 25 | 60 | 201 | 1290 | 7.7 |
| 20 | 47 | 192 | 1015 | 6.1 |
| 15 | 35 | 181 | 759 | 4.8 |
| 10 | 24 | 168 | 521 | 3.4 |
| 8 | 18 | 157 | 389 | 2.7 |