

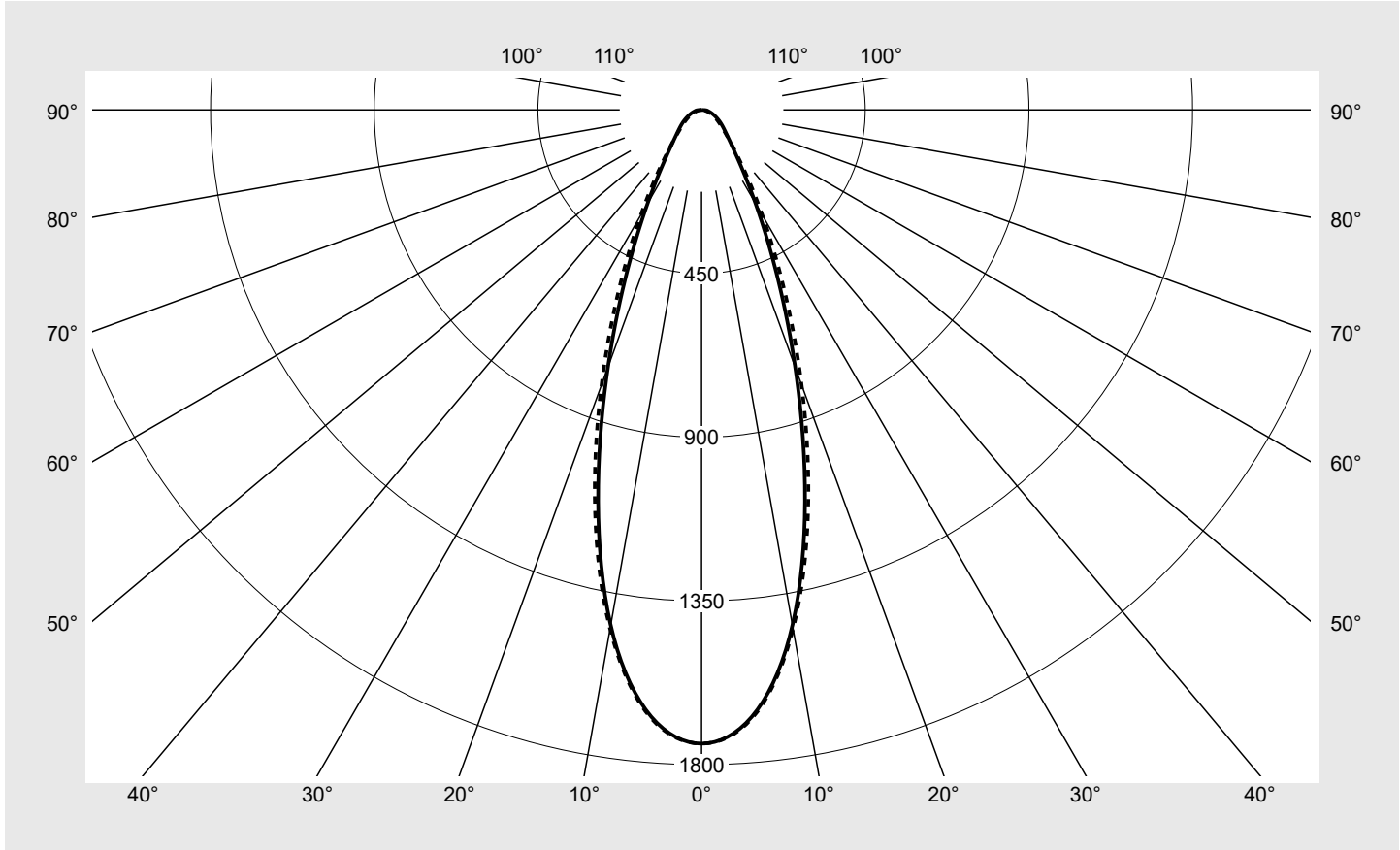


Photometric test report

| | | |
|--|--|--|
| Family Licross® Protected | Order number: 51TP11DN49XFD EAN: 4058352418413 | LP number 58526_22 |
|  | Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 9080 lm Power consumption = 56.9 W Luminous efficacy = 159.6 lm/W | serial documentation 26.08.2020 |
| |  | |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1742 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 7 0 |
| CIE | N1=83 N2=94 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

Photometric test report

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sITeco

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

| 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° | 1742.2 | 1742.2 | 1742.2 | 1742.2 | 1742.2 | 1742.2 | 1742.2 | 10.4 | 10.4 |
| 5° | 1666.1 | 1675.3 | 1660.6 | 1665.8 | 1671.6 | 1669.6 | 1670.7 | 79.7 | 90.1 |
| 10° | 1438.7 | 1454.0 | 1443.6 | 1449.9 | 1452.8 | 1449.1 | 1448.5 | 137.9 | 228.0 |
| 15° | 1099.0 | 1113.1 | 1114.3 | 1128.7 | 1137.3 | 1134.2 | 1132.4 | 159.4 | 387.5 |
| 20° | 752.6 | 761.9 | 768.4 | 788.3 | 803.8 | 805.8 | 803.7 | 147.1 | 534.5 |
| 25° | 477.8 | 482.8 | 489.1 | 506.4 | 523.2 | 529.8 | 529.1 | 117.2 | 651.7 |
| 30° | 296.4 | 297.2 | 300.0 | 310.9 | 324.6 | 332.2 | 333.5 | 85.9 | 737.6 |
| 35° | 189.3 | 187.5 | 185.3 | 189.4 | 198.7 | 205.9 | 208.7 | 61.1 | 798.7 |
| 40° | 131.6 | 127.9 | 121.5 | 120.2 | 125.3 | 132.4 | 136.6 | 44.7 | 843.4 |
| 45° | 99.4 | 94.4 | 85.5 | 81.0 | 83.2 | 90.3 | 95.8 | 34.4 | 877.7 |
| 50° | 79.8 | 74.4 | 64.7 | 58.7 | 59.3 | 65.8 | 72.1 | 27.9 | 905.7 |
| 55° | 65.2 | 60.1 | 51.3 | 45.2 | 44.8 | 50.3 | 56.0 | 23.4 | 929.0 |
| 60° | 52.4 | 48.1 | 41.3 | 36.1 | 35.0 | 38.9 | 43.4 | 19.6 | 948.6 |
| 65° | 41.2 | 37.9 | 33.1 | 29.2 | 27.7 | 29.8 | 32.8 | 16.1 | 964.7 |
| 70° | 31.9 | 29.5 | 26.2 | 23.4 | 21.7 | 22.1 | 23.6 | 12.9 | 977.6 |
| 75° | 24.4 | 22.6 | 20.2 | 18.2 | 16.5 | 15.4 | 15.7 | 10.0 | 987.6 |
| 80° | 18.3 | 17.0 | 15.2 | 13.6 | 11.8 | 9.9 | 9.2 | 7.3 | 994.9 |
| 85° | 13.3 | 12.5 | 11.1 | 9.7 | 7.7 | 5.4 | 4.2 | 5.0 | 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 |
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| | | | | | | | | | | | |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| 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 | 16.2 | 17.5 | 16.6 | 17.8 | 18.1 | 16.1 | 17.3 | 16.5 | 17.6 | 18.0 |
| | 3H | 17.3 | 18.5 | 17.7 | 18.8 | 19.1 | 17.0 | 18.1 | 17.4 | 18.4 | 18.8 |
| | 4H | 17.9 | 18.9 | 18.3 | 19.2 | 19.6 | 17.4 | 18.4 | 17.8 | 18.7 | 19.1 |
| | 6H | 18.4 | 19.3 | 18.8 | 19.7 | 20.1 | 17.7 | 18.6 | 18.1 | 18.9 | 19.3 |
| | 8H | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 | 17.9 | 18.6 | 18.3 | 19.0 | 19.4 |
| | 12H | 18.9 | 19.6 | 19.4 | 20.0 | 20.5 | 17.9 | 18.6 | 18.4 | 19.0 | 19.4 |
| 4H | 2H | 16.5 | 17.5 | 16.9 | 17.8 | 18.2 | 16.3 | 17.4 | 16.7 | 17.7 | 18.1 |
| | 3H | 17.8 | 18.6 | 18.2 | 19.0 | 19.4 | 17.4 | 18.2 | 17.8 | 18.6 | 19.0 |
| | 4H | 18.4 | 19.2 | 18.9 | 19.6 | 20.0 | 17.9 | 18.6 | 18.3 | 19.0 | 19.5 |
| | 6H | 19.1 | 19.7 | 19.6 | 20.2 | 20.6 | 18.3 | 18.9 | 18.8 | 19.4 | 19.8 |
| | 8H | 19.4 | 20.0 | 19.9 | 20.4 | 20.9 | 18.4 | 19.0 | 18.9 | 19.5 | 19.9 |
| | 12H | 19.8 | 20.2 | 20.3 | 20.7 | 21.2 | 18.6 | 19.1 | 19.1 | 19.5 | 20.0 |
| 8H | 4H | 18.6 | 19.2 | 19.1 | 19.6 | 20.1 | 18.1 | 18.7 | 18.6 | 19.1 | 19.6 |
| | 6H | 19.4 | 19.8 | 19.9 | 20.3 | 20.8 | 18.6 | 19.1 | 19.1 | 19.6 | 20.1 |
| | 8H | 19.8 | 20.2 | 20.3 | 20.7 | 21.2 | 18.8 | 19.3 | 19.4 | 19.7 | 20.3 |
| | 12H | 20.3 | 20.6 | 20.8 | 21.1 | 21.6 | 19.1 | 19.4 | 19.6 | 19.9 | 20.4 |
| 12H | 4H | 18.6 | 19.1 | 19.1 | 19.6 | 20.1 | 18.2 | 18.6 | 18.7 | 19.1 | 19.6 |
| | 6H | 19.4 | 19.8 | 20.0 | 20.3 | 20.8 | 18.7 | 19.1 | 19.2 | 19.6 | 20.1 |
| | 8H | 19.9 | 20.2 | 20.4 | 20.7 | 21.3 | 19.0 | 19.3 | 19.5 | 19.8 | 20.4 |

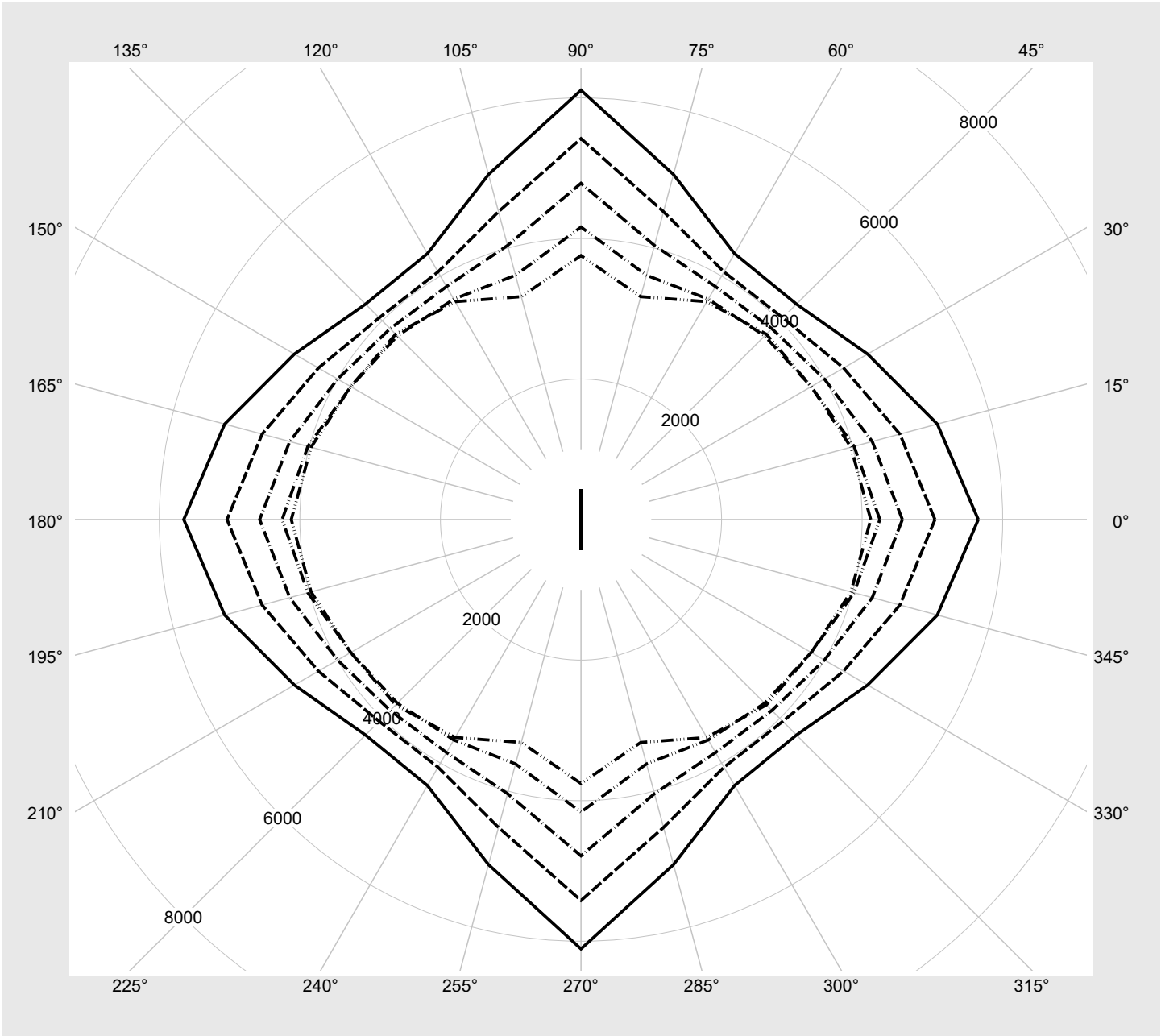
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|------------------------|---|--------------------------------------|-----------------|-------------------|---------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 1480 | H(C0) = 13 | H(C180) = 13 |
| | | | B = 78 | H(C90) = 0 | H(C270) = 0 |

| 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° | | 9479.8 | 9045.4 | 8308.4 | 8062.8 | 8547.2 | 9628.0 | 10652.4 | |
| 50° | | 8146.7 | 7635.0 | 6756.8 | 6300.1 | 6599.3 | 7662.9 | 8820.8 | |
| 55° | | 7218.8 | 6697.3 | 5835.7 | 5304.9 | 5493.2 | 6496.0 | 7684.9 | |
| 60° | | 6394.6 | 5922.6 | 5199.6 | 4711.0 | 4805.9 | 5695.4 | 6825.1 | |
| 65° | | 5652.6 | 5249.0 | 4709.3 | 4336.1 | 4370.1 | 5083.8 | 6109.6 | |
| 70° | | 5036.5 | 4697.7 | 4314.0 | 4060.6 | 4069.1 | 4535.5 | 5420.5 | |
| 75° | | 4572.6 | 4290.4 | 3999.2 | 3841.0 | 3828.1 | 4037.9 | 4785.2 | |
| 80° | | 4252.5 | 4023.3 | 3781.9 | 3695.9 | 3621.3 | 3599.6 | 4161.8 | |
| 85° | | 4122.5 | 3976.1 | 3783.2 | 3730.2 | 3580.3 | 3283.4 | 3756.1 | |

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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 | 9080 | 56.9 |
| 95 | 240 | 252 | 8635 | 53.8 |
| 90 | 226 | 250 | 8166 | 50.7 |
| 85 | 213 | 248 | 7731 | 47.9 |
| 80 | 199 | 245 | 7261 | 44.8 |
| 75 | 186 | 243 | 6802 | 41.8 |
| 70 | 174 | 240 | 6354 | 39.0 |
| 65 | 161 | 237 | 5919 | 36.3 |
| 60 | 148 | 234 | 5461 | 33.4 |
| 55 | 135 | 231 | 5002 | 30.6 |
| 50 | 122 | 227 | 4544 | 27.8 |
| 45 | 110 | 223 | 4097 | 25.3 |
| 40 | 97 | 219 | 3638 | 22.4 |
| 35 | 85 | 214 | 3191 | 20.0 |
| 30 | 72 | 208 | 2707 | 17.1 |
| 25 | 60 | 201 | 2260 | 14.5 |
| 20 | 48 | 193 | 1813 | 12.1 |
| 15 | 36 | 182 | 1366 | 9.7 |
| 10 | 24 | 168 | 894 | 7.0 |
| 5 | 13 | 145 | 484 | 4.8 |