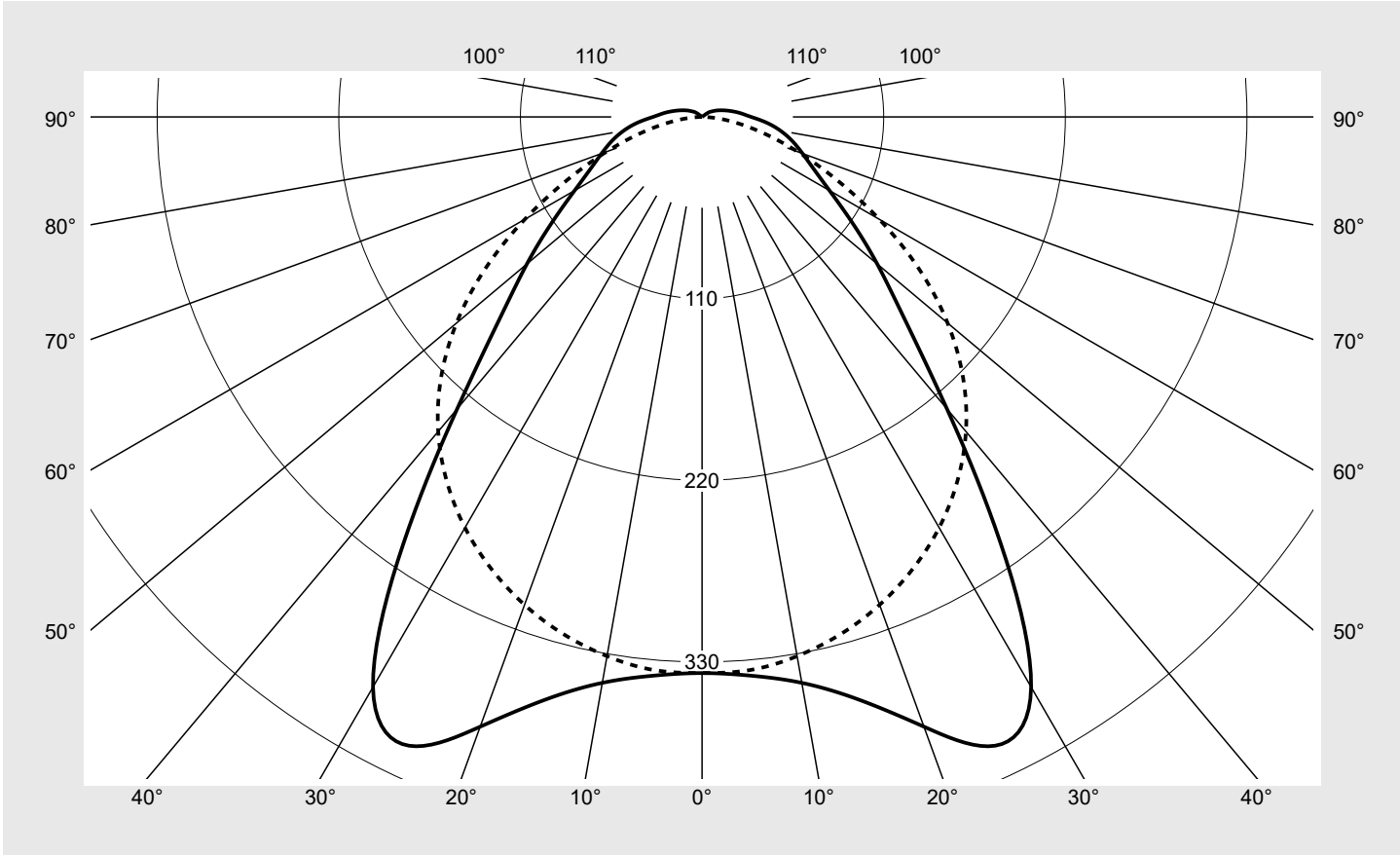


Photometric test report

| | | |
|--|---|---|
| Family Licross® 11 Protected | Order number: 51TD1BDN49XG3C EAN: 4058352938461 | LP number 58522_251 |
| Version | prismatic cover, frosted, wide distribution | serial documentation 29.09.2023 |
| Lamps | LED 4000 K CRI ≥ 80 | |
| Controlgear | ECG-DALI | |
| Setting | emergency light operation: 3 h | |
| Rated values | Net luminous flux = 920 lm Power consumption = 6.8 W Luminous efficacy = 135.3 lm/W | |



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 420 cd/klm**



| Classifications | |
|-----------------|-----------------------------------|
| DIN 5040 | A 4 1 |
| CIE | N1=54 N2=82 N3=95 N4=97 N5=100 |

| Luminaire light output ratios | |
|-------------------------------|--------|
| η_{LB} | 100.0% |
| ϕ_u | 96.8% |
| ϕ_o | 3.2% |

| Measurement conditions |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

Photometric test report

| | | |
|---|--|-----------------------------------|
| Family Licross® 11 Protected | Order number: 51TD1BDN49XG3C EAN: 4058352938461 | LP number 58522_251 |
| 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° | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 | 2.0 | 2.0 |
| 5° | 339.6 | 338.6 | 335.9 | 336.3 | 336.9 | 336.0 | 336.1 | 16.1 | 18.1 |
| 10° | 347.9 | 347.0 | 341.3 | 338.0 | 335.2 | 332.1 | 331.5 | 32.3 | 50.4 |
| 15° | 365.1 | 363.4 | 352.6 | 343.0 | 333.9 | 326.3 | 324.2 | 48.8 | 99.2 |
| 20° | 392.9 | 389.6 | 370.2 | 350.5 | 332.5 | 318.7 | 314.4 | 66.1 | 165.3 |
| 25° | 420.1 | 417.2 | 393.2 | 361.7 | 330.8 | 309.3 | 301.9 | 83.9 | 249.2 |
| 30° | 398.6 | 403.0 | 395.6 | 369.9 | 329.0 | 297.6 | 287.2 | 97.7 | 346.8 |
| 35° | 315.4 | 327.2 | 346.9 | 353.5 | 322.7 | 283.2 | 269.5 | 100.9 | 447.7 |
| 40° | 230.7 | 242.3 | 270.7 | 302.4 | 300.6 | 265.5 | 248.6 | 95.2 | 542.9 |
| 45° | 173.9 | 182.1 | 205.6 | 239.8 | 258.3 | 240.0 | 223.6 | 85.6 | 628.5 |
| 50° | 138.5 | 144.5 | 161.6 | 188.3 | 208.7 | 204.6 | 194.1 | 75.2 | 703.7 |
| 55° | 110.6 | 115.5 | 130.2 | 150.3 | 164.6 | 163.9 | 160.4 | 64.4 | 768.0 |
| 60° | 89.1 | 92.4 | 103.6 | 120.9 | 128.5 | 124.9 | 123.9 | 53.5 | 821.6 |
| 65° | 74.6 | 76.3 | 82.5 | 95.4 | 99.4 | 91.8 | 89.8 | 43.7 | 865.3 |
| 70° | 64.8 | 65.1 | 66.4 | 73.4 | 75.2 | 65.0 | 61.7 | 35.1 | 900.3 |
| 75° | 56.7 | 56.1 | 54.1 | 55.3 | 54.0 | 43.4 | 39.3 | 27.4 | 927.8 |
| 80° | 48.3 | 47.2 | 43.9 | 40.6 | 36.4 | 26.8 | 21.9 | 20.7 | 948.5 |
| 85° | 39.1 | 38.0 | 34.5 | 29.4 | 22.9 | 14.4 | 9.1 | 14.9 | 963.3 |
| 90° | 29.8 | 28.8 | 25.7 | 20.2 | 13.1 | 5.8 | 0.8 | 9.9 | 973.3 |
| 95° | 24.0 | 23.5 | 21.4 | 16.6 | 9.9 | 3.5 | 0.7 | 7.9 | 981.2 |
| 100° | 19.2 | 18.8 | 17.3 | 13.3 | 7.4 | 1.9 | 0.6 | 6.2 | 987.4 |
| 105° | 15.1 | 14.8 | 13.6 | 10.2 | 5.0 | 0.8 | 0.6 | 4.6 | 992.0 |
| 110° | 11.8 | 11.3 | 10.2 | 7.3 | 2.9 | 0.6 | 0.6 | 3.3 | 995.3 |
| 115° | 9.0 | 8.5 | 7.3 | 4.7 | 1.4 | 0.7 | 0.7 | 2.3 | 997.6 |
| 120° | 6.6 | 6.1 | 4.9 | 2.7 | 0.8 | 0.7 | 0.7 | 1.5 | 999.1 |
| 125° | 4.4 | 4.0 | 2.9 | 1.3 | 0.7 | 0.8 | 0.8 | 0.9 | 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

| | | |
|--|--|-------------------------------|
| Family Licross® 11 Protected | Order number: 51TD1BDN49XG3C EAN: 4058352938461 | LP number 58522_251 |
|--|--|-------------------------------|

| | | |
|------------------|----------------------|---------------|
| 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 | 12.9 | 14.5 | 13.2 | 14.8 | 15.1 | 14.8 | 16.4 | 15.1 | 16.7 | 17.0 |
| | 3H | 14.0 | 15.5 | 14.4 | 15.9 | 16.2 | 15.8 | 17.2 | 16.2 | 17.6 | 17.9 |
| | 4H | 14.7 | 16.1 | 15.1 | 16.5 | 16.8 | 16.1 | 17.5 | 16.5 | 17.9 | 18.2 |
| | 6H | 15.5 | 16.8 | 15.9 | 17.2 | 17.5 | 16.4 | 17.7 | 16.8 | 18.0 | 18.4 |
| | 8H | 15.9 | 17.1 | 16.3 | 17.5 | 17.9 | 16.5 | 17.7 | 16.9 | 18.1 | 18.5 |
| | 12H | 16.3 | 17.4 | 16.7 | 17.8 | 18.2 | 16.5 | 17.7 | 17.0 | 18.0 | 18.5 |
| 4H | 2H | 13.7 | 15.1 | 14.1 | 15.5 | 15.8 | 15.2 | 16.6 | 15.6 | 16.9 | 17.3 |
| | 3H | 15.1 | 16.3 | 15.5 | 16.6 | 17.0 | 16.5 | 17.7 | 16.9 | 18.0 | 18.5 |
| | 4H | 15.9 | 17.0 | 16.3 | 17.4 | 17.8 | 17.0 | 18.0 | 17.4 | 18.4 | 18.9 |
| | 6H | 16.8 | 17.7 | 17.2 | 18.2 | 18.6 | 17.3 | 18.3 | 17.8 | 18.7 | 19.2 |
| | 8H | 17.3 | 18.1 | 17.7 | 18.6 | 19.0 | 17.5 | 18.3 | 17.9 | 18.8 | 19.2 |
| | 12H | 17.7 | 18.5 | 18.2 | 19.0 | 19.5 | 17.6 | 18.3 | 18.0 | 18.8 | 19.3 |
| 8H | 4H | 16.3 | 17.2 | 16.8 | 17.6 | 18.1 | 17.2 | 18.1 | 17.7 | 18.5 | 19.0 |
| | 6H | 17.4 | 18.1 | 17.9 | 18.6 | 19.1 | 17.8 | 18.5 | 18.3 | 19.0 | 19.5 |
| | 8H | 18.0 | 18.6 | 18.5 | 19.1 | 19.6 | 18.0 | 18.6 | 18.5 | 19.1 | 19.6 |
| | 12H | 18.6 | 19.2 | 19.1 | 19.6 | 20.2 | 18.2 | 18.7 | 18.7 | 19.2 | 19.7 |
| 12H | 4H | 16.4 | 17.1 | 16.9 | 17.6 | 18.1 | 17.3 | 18.1 | 17.8 | 18.5 | 19.0 |
| | 6H | 17.5 | 18.1 | 18.0 | 18.6 | 19.1 | 17.9 | 18.5 | 18.4 | 19.0 | 19.5 |
| | 8H | 18.2 | 18.7 | 18.7 | 19.2 | 19.7 | 18.2 | 18.7 | 18.7 | 19.2 | 19.7 |

| | | | | | |
|------------------------|---|--------------------------------------|-----------------|-------------------|---------------------|
| 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° | | 1679.7 | 1767.9 | 2024.8 | 2417.7 | 2686.8 | 2592.8 | 2520.3 | |
| 50° | | 1432.4 | 1502.8 | 1709.7 | 2047.3 | 2353.6 | 2413.2 | 2406.8 | |
| 55° | | 1240.8 | 1304.7 | 1500.3 | 1787.5 | 2044.1 | 2145.1 | 2228.2 | |
| 60° | | 1102.4 | 1151.8 | 1321.0 | 1600.0 | 1789.9 | 1852.1 | 1975.5 | |
| 65° | | 1036.8 | 1070.0 | 1187.8 | 1436.6 | 1590.8 | 1585.1 | 1693.9 | |
| 70° | | 1035.0 | 1052.5 | 1108.4 | 1292.4 | 1425.6 | 1354.6 | 1437.6 | |
| 75° | | 1075.5 | 1080.0 | 1082.6 | 1181.7 | 1269.4 | 1150.5 | 1209.5 | |
| 80° | | 1139.1 | 1133.2 | 1108.4 | 1116.1 | 1133.9 | 988.7 | 1003.4 | |
| 85° | | 1229.7 | 1223.1 | 1189.7 | 1145.9 | 1073.7 | 879.4 | 834.1 | |

Photometric test report

| | | |
|---|--|--------------------------------------|
| Family Licross® 11 Protected | Order number: 51TD1BDN49XG3C EAN: 4058352938461 | LP number 58522_251 |
|---|--|--------------------------------------|

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

