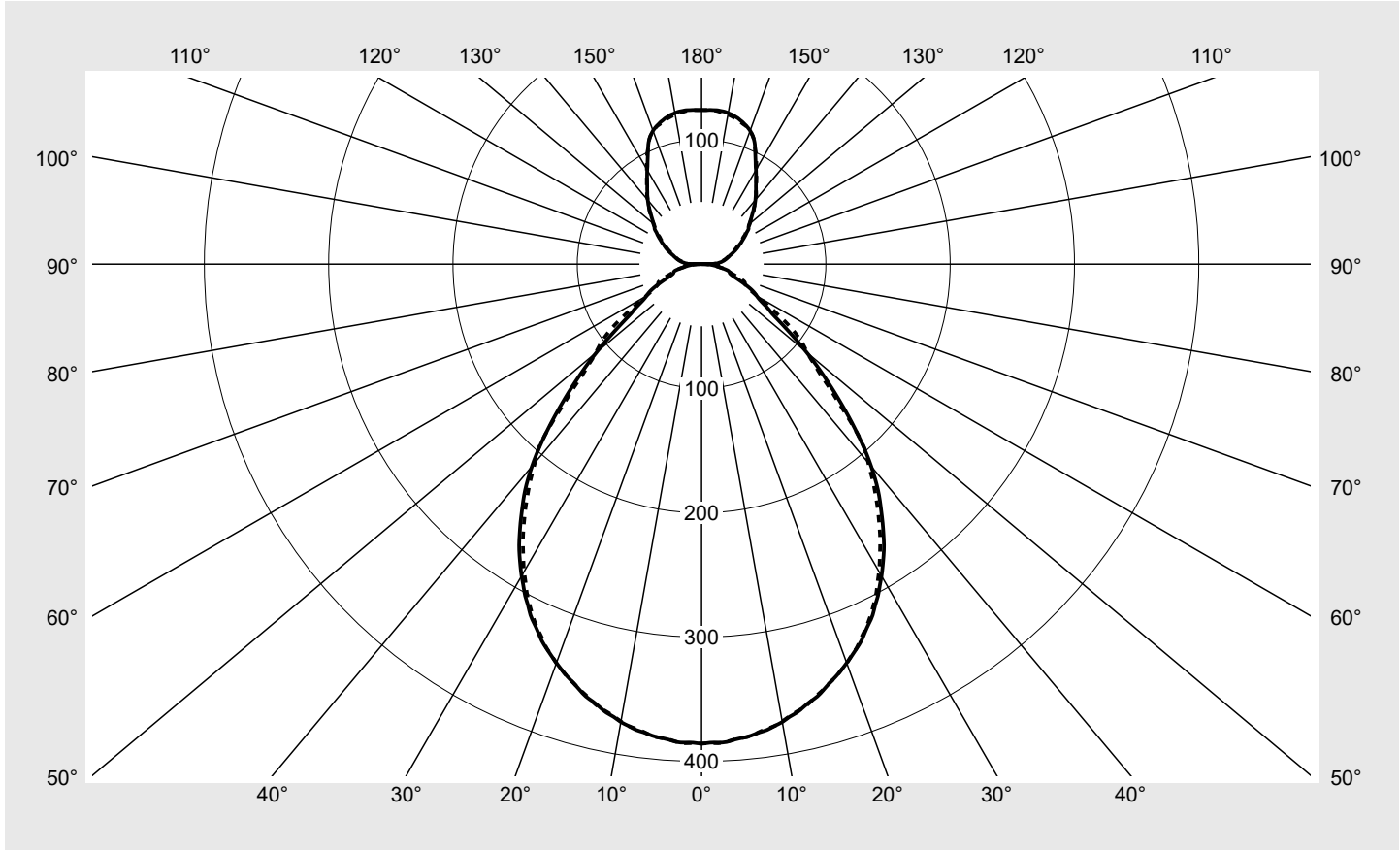


Photometric test report

| | | |
|---|---|---|
| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
|  | Version | Suspended luminaire, micro prismatic cover, PMMA, wide distribution, direct-/ indirect distribution, aluminium housing, black, UGR≤19 |
| | Lamps | LED 4000 K CRI ≥ 80 |
| | Controlgear | ECG-DALI |
| | Rated values | Net luminous flux = 3810 lm Power consumption = 28.3 W Luminous efficacy = 134.6 lm/W |
| | | serial documentation 31.07.2024 |
| | |  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 386 cd/klm**



| Classifications | |
|-----------------|-----------------------------------|
| DIN 5040 | B 5 3 |
| CIE | N1=66 N2=90 N3=98 N4=71 N5=100 |

| Luminaire light output ratios | |
|-------------------------------|--------|
| η_{LB} | 100.0% |
| ϕ_u | 70.6% |
| ϕ_o | 29.4% |

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

| | | |
|---|---|-----------------------------------|
| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
| 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° | 385.7 | 385.7 | 385.7 | 385.7 | 385.7 | 385.7 | 385.7 | 0.1 | 0.1 |
| 1° | 385.0 | 385.3 | 384.9 | 385.7 | 385.2 | 385.8 | 385.3 | 0.7 | 0.8 |
| 2° | 385.1 | 385.3 | 384.7 | 384.8 | 385.1 | 385.3 | 385.6 | 1.5 | 2.3 |
| 3° | 384.9 | 384.4 | 384.2 | 384.6 | 384.4 | 384.5 | 384.8 | 2.2 | 4.5 |
| 4° | 383.3 | 383.8 | 383.7 | 384.1 | 383.1 | 383.9 | 383.2 | 2.9 | 7.4 |
| 5° | 382.4 | 382.7 | 382.8 | 382.6 | 382.2 | 382.5 | 382.5 | 3.7 | 11.1 |
| 6° | 381.3 | 381.9 | 381.4 | 381.6 | 380.9 | 381.5 | 381.5 | 4.4 | 15.5 |
| 7° | 379.5 | 380.2 | 379.8 | 379.8 | 379.7 | 379.9 | 379.2 | 5.1 | 20.5 |
| 8° | 378.3 | 378.8 | 378.4 | 378.5 | 378.1 | 378.8 | 377.4 | 5.8 | 26.3 |
| 9° | 376.0 | 376.7 | 376.0 | 376.5 | 375.3 | 376.7 | 376.1 | 6.5 | 32.8 |
| 10° | 374.0 | 374.7 | 374.1 | 374.6 | 373.4 | 374.4 | 373.5 | 7.1 | 39.9 |
| 11° | 370.9 | 372.5 | 371.7 | 371.8 | 370.7 | 372.2 | 370.5 | 7.8 | 47.7 |
| 12° | 368.8 | 369.8 | 369.0 | 369.7 | 368.0 | 369.4 | 368.0 | 8.4 | 56.1 |
| 13° | 365.5 | 367.3 | 366.0 | 367.1 | 365.3 | 366.8 | 365.9 | 9.0 | 65.1 |
| 14° | 362.4 | 364.6 | 363.2 | 364.3 | 362.6 | 363.9 | 362.8 | 9.6 | 74.8 |
| 15° | 359.9 | 361.6 | 359.9 | 361.1 | 359.0 | 361.0 | 359.0 | 10.2 | 85.0 |
| 16° | 356.2 | 358.0 | 357.0 | 358.2 | 356.0 | 357.8 | 355.9 | 10.8 | 95.8 |
| 17° | 352.3 | 355.1 | 353.8 | 354.9 | 352.3 | 354.3 | 352.2 | 11.3 | 107.1 |
| 18° | 349.0 | 351.4 | 350.0 | 351.4 | 348.4 | 351.0 | 349.2 | 11.9 | 119.0 |
| 19° | 345.3 | 348.0 | 346.4 | 347.3 | 344.6 | 347.0 | 345.3 | 12.4 | 131.4 |
| 20° | 341.4 | 343.9 | 342.3 | 343.5 | 340.9 | 343.5 | 341.6 | 12.8 | 144.2 |
| 21° | 337.3 | 340.1 | 338.4 | 339.6 | 336.3 | 339.0 | 336.9 | 13.3 | 157.5 |
| 22° | 333.2 | 335.4 | 334.1 | 335.3 | 332.0 | 334.2 | 333.0 | 13.7 | 171.2 |
| 23° | 329.0 | 331.3 | 329.5 | 330.6 | 327.6 | 329.9 | 327.5 | 14.1 | 185.4 |
| 24° | 323.7 | 326.6 | 324.4 | 325.8 | 322.7 | 325.1 | 322.7 | 14.5 | 199.8 |
| 25° | 318.8 | 321.6 | 318.9 | 320.4 | 317.7 | 320.1 | 317.5 | 14.8 | 214.7 |
| 26° | 314.0 | 316.3 | 313.5 | 315.2 | 312.3 | 314.2 | 311.8 | 15.1 | 229.8 |
| 27° | 307.7 | 310.6 | 307.6 | 309.1 | 306.4 | 309.0 | 305.7 | 15.3 | 245.1 |
| 28° | 302.3 | 304.3 | 301.4 | 303.5 | 300.7 | 302.6 | 299.5 | 15.6 | 260.7 |
| 29° | 295.7 | 298.2 | 294.8 | 297.4 | 294.6 | 296.4 | 292.2 | 15.7 | 276.4 |
| 30° | 289.6 | 291.6 | 288.0 | 291.0 | 288.0 | 290.1 | 285.5 | 15.9 | 292.3 |
| 31° | 283.0 | 285.0 | 280.5 | 284.0 | 282.5 | 282.8 | 278.3 | 16.0 | 308.2 |
| 32° | 276.4 | 277.8 | 273.8 | 277.0 | 275.9 | 276.1 | 271.0 | 16.0 | 324.2 |
| 33° | 269.5 | 270.8 | 266.2 | 269.7 | 269.4 | 268.6 | 263.9 | 16.0 | 340.3 |
| 34° | 261.7 | 263.3 | 258.9 | 262.4 | 262.3 | 261.6 | 256.1 | 16.0 | 356.3 |
| 35° | 254.0 | 256.0 | 251.6 | 254.8 | 255.0 | 253.9 | 248.4 | 16.0 | 372.3 |
| 36° | 246.1 | 248.3 | 243.8 | 246.8 | 247.4 | 245.8 | 240.7 | 15.9 | 388.1 |
| 37° | 238.4 | 240.3 | 235.8 | 238.8 | 239.8 | 237.6 | 232.6 | 15.7 | 403.8 |
| 38° | 230.5 | 231.7 | 227.8 | 230.2 | 232.0 | 229.0 | 224.9 | 15.5 | 419.3 |
| 39° | 221.7 | 222.5 | 219.5 | 221.2 | 223.7 | 219.6 | 216.5 | 15.2 | 434.6 |
| 40° | 212.3 | 213.0 | 210.1 | 211.6 | 215.3 | 209.7 | 208.6 | 14.9 | 449.5 |
| 41° | 202.4 | 202.4 | 199.7 | 201.7 | 206.4 | 199.2 | 202.2 | 14.5 | 464.0 |
| 42° | 191.8 | 191.6 | 189.6 | 191.5 | 196.4 | 188.5 | 192.6 | 14.1 | 478.1 |
| 43° | 180.9 | 180.6 | 181.0 | 181.0 | 186.6 | 177.8 | 180.0 | 13.6 | 491.6 |
| 44° | 170.1 | 169.6 | 168.4 | 170.7 | 176.2 | 167.8 | 166.2 | 13.0 | 504.6 |

Photometric test report

| | | |
|---|---|-----------------------------------|
| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
| 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 | | |
| 45° | 159.3 | 159.0 | 156.5 | 160.3 | 165.7 | 157.7 | 153.3 | 12.3 | 516.9 |
| 46° | 149.0 | 148.8 | 145.8 | 149.4 | 158.7 | 147.8 | 142.7 | 11.8 | 528.7 |
| 47° | 138.9 | 139.0 | 133.8 | 139.0 | 148.2 | 138.5 | 131.6 | 11.1 | 539.9 |
| 48° | 129.2 | 130.0 | 125.0 | 129.2 | 138.7 | 129.5 | 124.1 | 10.6 | 550.5 |
| 49° | 119.9 | 121.5 | 117.7 | 119.6 | 127.6 | 121.1 | 116.8 | 10.0 | 560.5 |
| 50° | 110.2 | 113.4 | 111.2 | 111.0 | 117.5 | 113.1 | 111.4 | 9.5 | 569.9 |
| 51° | 101.0 | 105.5 | 106.0 | 103.0 | 107.2 | 105.3 | 106.9 | 9.0 | 578.9 |
| 52° | 91.7 | 97.9 | 100.6 | 95.4 | 97.0 | 97.9 | 102.7 | 8.4 | 587.3 |
| 53° | 83.1 | 90.7 | 95.5 | 88.4 | 87.5 | 90.7 | 97.6 | 7.9 | 595.3 |
| 54° | 75.5 | 83.7 | 90.1 | 81.4 | 78.7 | 83.6 | 91.8 | 7.4 | 602.7 |
| 55° | 69.0 | 77.3 | 84.2 | 75.2 | 71.0 | 77.2 | 85.3 | 6.9 | 609.6 |
| 56° | 65.5 | 71.4 | 77.9 | 69.2 | 64.6 | 71.3 | 77.7 | 6.5 | 616.1 |
| 57° | 61.0 | 65.7 | 71.6 | 64.1 | 59.3 | 65.8 | 70.3 | 6.0 | 622.1 |
| 58° | 56.6 | 60.6 | 65.3 | 59.7 | 55.1 | 60.9 | 63.3 | 5.6 | 627.7 |
| 59° | 53.4 | 55.8 | 59.2 | 55.9 | 52.0 | 56.5 | 57.2 | 5.2 | 632.9 |
| 60° | 51.3 | 51.4 | 53.7 | 52.3 | 49.7 | 52.2 | 52.0 | 4.9 | 637.8 |
| 61° | 49.4 | 47.8 | 49.0 | 49.2 | 48.0 | 48.7 | 47.9 | 4.7 | 642.5 |
| 62° | 47.4 | 44.7 | 45.1 | 46.5 | 46.4 | 45.8 | 44.5 | 4.4 | 646.9 |
| 63° | 44.8 | 42.2 | 42.4 | 43.9 | 44.6 | 43.2 | 42.0 | 4.2 | 651.2 |
| 64° | 41.9 | 39.9 | 40.4 | 41.1 | 42.1 | 40.4 | 40.1 | 4.0 | 655.2 |
| 65° | 38.6 | 37.9 | 39.2 | 38.3 | 39.2 | 37.6 | 38.7 | 3.8 | 659.0 |
| 66° | 35.6 | 35.8 | 38.2 | 35.5 | 36.0 | 34.8 | 38.2 | 3.6 | 662.6 |
| 67° | 32.6 | 33.8 | 37.2 | 32.9 | 33.2 | 32.4 | 37.8 | 3.4 | 666.1 |
| 68° | 29.9 | 31.9 | 35.5 | 30.6 | 30.7 | 30.2 | 36.7 | 3.3 | 669.3 |
| 69° | 27.6 | 30.0 | 33.5 | 28.7 | 28.6 | 28.6 | 34.5 | 3.1 | 672.4 |
| 70° | 25.9 | 28.4 | 31.1 | 27.6 | 26.9 | 27.4 | 31.9 | 2.9 | 675.3 |
| 71° | 24.7 | 26.9 | 28.8 | 26.9 | 25.4 | 26.4 | 29.3 | 2.8 | 678.1 |
| 72° | 23.9 | 25.4 | 26.8 | 26.0 | 24.1 | 25.5 | 27.0 | 2.7 | 680.8 |
| 73° | 23.6 | 24.0 | 25.2 | 24.7 | 23.2 | 24.3 | 25.2 | 2.5 | 683.3 |
| 74° | 23.3 | 22.8 | 24.1 | 23.1 | 22.7 | 23.0 | 23.8 | 2.4 | 685.8 |
| 75° | 22.8 | 21.7 | 23.0 | 21.5 | 22.4 | 21.5 | 22.7 | 2.3 | 688.1 |
| 76° | 22.2 | 20.4 | 21.8 | 20.1 | 21.8 | 20.1 | 21.7 | 2.2 | 690.4 |
| 77° | 20.7 | 19.2 | 20.5 | 18.8 | 20.5 | 18.7 | 20.4 | 2.1 | 692.5 |
| 78° | 18.8 | 17.9 | 18.9 | 17.5 | 18.8 | 17.4 | 19.0 | 2.0 | 694.4 |
| 79° | 16.7 | 16.4 | 17.2 | 16.1 | 16.9 | 16.0 | 17.4 | 1.8 | 696.2 |
| 80° | 14.7 | 14.9 | 15.4 | 14.5 | 15.2 | 14.7 | 15.7 | 1.6 | 697.8 |
| 81° | 13.5 | 13.4 | 13.8 | 13.1 | 13.7 | 13.1 | 13.9 | 1.5 | 699.3 |
| 82° | 12.3 | 11.8 | 12.3 | 11.8 | 12.4 | 11.7 | 12.2 | 1.3 | 700.6 |
| 83° | 11.3 | 10.5 | 10.9 | 10.4 | 11.1 | 10.4 | 10.6 | 1.2 | 701.8 |
| 84° | 10.0 | 9.2 | 9.5 | 9.1 | 9.7 | 9.1 | 9.3 | 1.0 | 702.8 |
| 85° | 8.7 | 7.8 | 8.3 | 7.7 | 8.3 | 7.7 | 8.0 | 0.9 | 703.7 |
| 86° | 7.4 | 6.2 | 6.9 | 6.3 | 7.0 | 6.2 | 6.6 | 0.7 | 704.4 |
| 87° | 6.2 | 4.8 | 5.5 | 4.8 | 5.5 | 4.7 | 5.3 | 0.6 | 705.0 |
| 88° | 4.2 | 3.4 | 4.0 | 3.5 | 4.0 | 3.5 | 3.9 | 0.4 | 705.4 |
| 89° | 2.6 | 2.5 | 2.6 | 2.7 | 2.5 | 2.7 | 2.5 | 0.3 | 705.7 |

Photometric test report

| | | |
|---|---|-----------------------------------|
| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
| 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 | |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 705.7 |
| 91° | 9.7 | 8.6 | 9.0 | 8.2 | 8.4 | 8.0 | 8.2 | 0.9 | 706.6 |
| 92° | 11.4 | 10.0 | 10.8 | 9.6 | 10.3 | 9.2 | 10.0 | 1.1 | 707.7 |
| 93° | 12.4 | 11.5 | 11.9 | 11.1 | 11.5 | 11.0 | 11.2 | 1.3 | 709.0 |
| 94° | 13.6 | 12.8 | 12.8 | 12.5 | 12.8 | 12.3 | 12.4 | 1.4 | 710.3 |
| 95° | 14.4 | 13.7 | 14.1 | 13.3 | 13.9 | 13.4 | 13.5 | 1.5 | 711.8 |
| 96° | 15.6 | 15.1 | 15.2 | 14.4 | 15.2 | 14.6 | 14.3 | 1.6 | 713.5 |
| 97° | 16.5 | 16.1 | 16.2 | 15.7 | 16.1 | 15.7 | 15.2 | 1.7 | 715.2 |
| 98° | 17.1 | 16.8 | 16.8 | 16.6 | 17.0 | 16.6 | 16.1 | 1.8 | 717.0 |
| 99° | 18.1 | 17.8 | 17.9 | 17.6 | 17.7 | 17.3 | 17.2 | 1.9 | 718.9 |
| 100° | 18.6 | 18.7 | 18.5 | 18.2 | 18.5 | 18.3 | 18.1 | 2.0 | 720.9 |
| 101° | 19.5 | 19.2 | 19.5 | 19.1 | 19.2 | 19.3 | 19.1 | 2.1 | 723.0 |
| 102° | 20.2 | 20.0 | 20.1 | 19.6 | 20.1 | 20.1 | 19.6 | 2.1 | 725.1 |
| 103° | 20.9 | 20.8 | 20.8 | 20.4 | 20.9 | 20.8 | 20.5 | 2.2 | 727.4 |
| 104° | 21.5 | 21.5 | 21.7 | 21.3 | 21.6 | 21.6 | 20.9 | 2.3 | 729.6 |
| 105° | 22.4 | 22.3 | 22.3 | 22.1 | 22.4 | 22.2 | 21.8 | 2.4 | 732.0 |
| 106° | 23.1 | 22.7 | 23.0 | 23.0 | 23.1 | 22.9 | 22.5 | 2.4 | 734.4 |
| 107° | 23.8 | 23.6 | 23.8 | 23.7 | 23.9 | 23.8 | 23.4 | 2.5 | 736.9 |
| 108° | 24.8 | 24.5 | 24.7 | 24.6 | 24.7 | 24.8 | 24.0 | 2.6 | 739.5 |
| 109° | 25.8 | 25.4 | 25.4 | 25.3 | 25.8 | 25.6 | 24.8 | 2.6 | 742.1 |
| 110° | 26.9 | 26.4 | 26.4 | 26.2 | 26.6 | 26.7 | 26.1 | 2.7 | 744.8 |
| 111° | 27.9 | 27.2 | 27.6 | 27.1 | 27.6 | 27.6 | 26.8 | 2.8 | 747.6 |
| 112° | 29.1 | 28.5 | 28.5 | 28.0 | 28.4 | 28.5 | 27.8 | 2.9 | 750.5 |
| 113° | 30.1 | 29.5 | 29.5 | 28.9 | 29.4 | 29.3 | 28.8 | 3.0 | 753.5 |
| 114° | 31.3 | 30.4 | 30.4 | 29.9 | 30.5 | 30.4 | 29.8 | 3.0 | 756.5 |
| 115° | 32.2 | 31.4 | 31.5 | 31.2 | 31.6 | 31.4 | 30.8 | 3.1 | 759.6 |
| 116° | 33.2 | 32.2 | 32.5 | 32.2 | 32.7 | 32.6 | 31.8 | 3.2 | 762.8 |
| 117° | 34.1 | 33.3 | 33.6 | 33.4 | 33.7 | 33.6 | 33.2 | 3.3 | 766.1 |
| 118° | 35.6 | 34.5 | 34.9 | 34.4 | 34.9 | 34.8 | 34.3 | 3.4 | 769.5 |
| 119° | 36.7 | 35.6 | 36.1 | 35.8 | 36.2 | 35.8 | 35.4 | 3.4 | 772.9 |
| 120° | 37.8 | 36.8 | 37.1 | 36.8 | 37.1 | 37.1 | 36.7 | 3.5 | 776.5 |
| 121° | 39.1 | 38.0 | 38.4 | 38.2 | 38.4 | 38.2 | 38.0 | 3.6 | 780.0 |
| 122° | 40.4 | 39.2 | 39.7 | 39.3 | 39.8 | 39.3 | 39.1 | 3.7 | 783.7 |
| 123° | 41.7 | 40.6 | 41.0 | 40.6 | 41.0 | 40.4 | 40.3 | 3.7 | 787.5 |
| 124° | 43.0 | 41.9 | 42.2 | 41.8 | 42.6 | 41.8 | 42.2 | 3.8 | 791.3 |
| 125° | 44.2 | 43.2 | 43.5 | 43.2 | 44.1 | 43.2 | 43.1 | 3.9 | 795.2 |
| 126° | 46.0 | 44.6 | 44.9 | 44.6 | 45.6 | 44.4 | 44.5 | 4.0 | 799.2 |
| 127° | 47.3 | 45.9 | 46.3 | 45.9 | 47.1 | 45.9 | 46.0 | 4.1 | 803.2 |
| 128° | 47.9 | 47.5 | 47.5 | 47.6 | 48.8 | 47.4 | 47.7 | 4.1 | 807.4 |
| 129° | 48.8 | 49.0 | 49.0 | 48.9 | 50.2 | 48.9 | 49.2 | 4.2 | 811.6 |
| 130° | 50.0 | 50.4 | 50.2 | 50.7 | 51.6 | 50.4 | 50.7 | 4.3 | 815.8 |
| 131° | 51.7 | 52.2 | 51.6 | 52.1 | 52.9 | 52.1 | 52.0 | 4.3 | 820.1 |
| 132° | 53.2 | 53.8 | 53.2 | 53.9 | 54.2 | 53.7 | 53.6 | 4.4 | 824.5 |
| 133° | 54.7 | 55.5 | 55.1 | 55.7 | 55.7 | 55.4 | 55.1 | 4.4 | 828.9 |
| 134° | 56.4 | 57.2 | 56.6 | 57.2 | 57.3 | 57.0 | 56.7 | 4.5 | 833.4 |

Photometric test report

| | | |
|--|---|------------------------------|
| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | siteco |

| C-planes γ | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | Phi-zone | Total Phi-zone |
|----------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|-------------------------|-------------------|
| | Luminous intensity in cd/klm | | | | | | | Luminous flux in lm/klm | |
| 135° | 58.1 | 59.0 | 58.1 | 59.0 | 58.8 | 58.8 | 58.9 | 4.6 | 838.0 |
| 136° | 60.0 | 60.6 | 59.8 | 60.8 | 60.2 | 60.5 | 60.5 | 4.6 | 842.6 |
| 137° | 61.7 | 62.4 | 61.5 | 62.5 | 61.7 | 62.2 | 62.0 | 4.6 | 847.2 |
| 138° | 63.9 | 64.1 | 63.4 | 64.4 | 63.3 | 64.1 | 63.7 | 4.7 | 851.9 |
| 139° | 65.6 | 66.0 | 65.1 | 66.2 | 65.2 | 65.9 | 65.6 | 4.7 | 856.6 |
| 140° | 67.4 | 67.8 | 66.9 | 68.2 | 67.2 | 67.8 | 67.5 | 4.8 | 861.4 |
| 141° | 69.0 | 69.7 | 68.8 | 69.8 | 69.0 | 69.8 | 69.4 | 4.8 | 866.2 |
| 142° | 70.9 | 71.8 | 70.6 | 71.9 | 70.7 | 71.7 | 71.4 | 4.8 | 871.0 |
| 143° | 72.5 | 73.6 | 72.5 | 74.0 | 72.7 | 73.7 | 72.9 | 4.8 | 875.8 |
| 144° | 74.4 | 75.7 | 74.5 | 76.0 | 74.5 | 75.8 | 74.8 | 4.8 | 880.7 |
| 145° | 76.2 | 77.6 | 76.3 | 78.2 | 76.8 | 78.0 | 76.8 | 4.9 | 885.5 |
| 146° | 78.3 | 79.7 | 78.5 | 80.1 | 78.9 | 80.2 | 78.8 | 4.9 | 890.4 |
| 147° | 80.4 | 82.0 | 80.5 | 82.5 | 81.1 | 82.5 | 80.9 | 4.9 | 895.3 |
| 148° | 82.7 | 84.2 | 82.8 | 84.8 | 83.6 | 84.8 | 83.3 | 4.9 | 900.2 |
| 149° | 85.1 | 86.7 | 85.2 | 87.2 | 85.7 | 87.3 | 85.6 | 4.9 | 905.0 |
| 150° | 87.5 | 89.2 | 87.7 | 89.8 | 88.1 | 89.7 | 88.1 | 4.9 | 909.9 |
| 151° | 89.8 | 91.9 | 90.6 | 92.6 | 91.1 | 92.5 | 91.0 | 4.9 | 914.8 |
| 152° | 92.6 | 94.4 | 93.3 | 95.4 | 93.9 | 95.3 | 93.8 | 4.9 | 919.6 |
| 153° | 95.5 | 97.4 | 96.2 | 98.4 | 96.9 | 98.1 | 96.9 | 4.8 | 924.4 |
| 154° | 98.6 | 100.4 | 99.2 | 101.1 | 99.6 | 101.0 | 99.6 | 4.8 | 929.3 |
| 155° | 101.9 | 103.2 | 102.4 | 104.0 | 102.8 | 103.6 | 102.1 | 4.8 | 934.0 |
| 156° | 105.4 | 105.7 | 105.2 | 106.2 | 105.4 | 106.3 | 105.0 | 4.7 | 938.7 |
| 157° | 108.2 | 108.5 | 107.6 | 108.7 | 108.1 | 108.7 | 108.1 | 4.6 | 943.4 |
| 158° | 110.5 | 110.6 | 110.1 | 111.0 | 110.3 | 110.6 | 110.5 | 4.5 | 947.9 |
| 159° | 112.4 | 112.7 | 112.1 | 112.7 | 112.1 | 112.4 | 112.4 | 4.4 | 952.3 |
| 160° | 114.2 | 114.4 | 113.8 | 114.0 | 113.9 | 113.9 | 114.1 | 4.3 | 956.6 |
| 161° | 115.6 | 116.0 | 115.6 | 115.8 | 115.3 | 115.4 | 115.3 | 4.1 | 960.7 |
| 162° | 116.8 | 117.3 | 116.7 | 117.1 | 116.4 | 116.6 | 116.5 | 4.0 | 964.7 |
| 163° | 117.9 | 118.3 | 118.0 | 117.8 | 117.7 | 117.6 | 117.2 | 3.8 | 968.5 |
| 164° | 119.0 | 119.2 | 118.9 | 119.0 | 118.6 | 118.4 | 118.0 | 3.6 | 972.1 |
| 165° | 119.9 | 120.2 | 120.0 | 120.0 | 119.3 | 119.5 | 119.0 | 3.4 | 975.5 |
| 166° | 120.9 | 121.1 | 120.7 | 120.8 | 120.3 | 120.2 | 119.8 | 3.2 | 978.7 |
| 167° | 121.6 | 121.7 | 121.5 | 121.4 | 121.2 | 120.8 | 120.4 | 3.0 | 981.7 |
| 168° | 122.4 | 122.3 | 122.1 | 122.1 | 121.7 | 121.4 | 121.0 | 2.8 | 984.4 |
| 169° | 122.9 | 123.0 | 122.6 | 122.6 | 122.3 | 122.0 | 121.7 | 2.6 | 987.0 |
| 170° | 123.4 | 123.3 | 122.9 | 123.1 | 122.8 | 122.4 | 122.1 | 2.3 | 989.3 |
| 171° | 123.9 | 123.7 | 123.4 | 123.5 | 123.2 | 122.8 | 122.5 | 2.1 | 991.5 |
| 172° | 124.1 | 124.1 | 123.5 | 123.9 | 123.4 | 123.1 | 123.1 | 1.9 | 993.3 |
| 173° | 124.2 | 124.2 | 123.8 | 123.9 | 123.7 | 123.1 | 123.3 | 1.7 | 995.0 |
| 174° | 124.4 | 124.2 | 123.9 | 124.3 | 124.0 | 123.3 | 123.8 | 1.4 | 996.4 |
| 175° | 124.3 | 124.3 | 124.2 | 124.2 | 124.2 | 123.4 | 124.0 | 1.2 | 997.6 |
| 176° | 124.2 | 124.3 | 124.1 | 124.1 | 124.2 | 123.4 | 124.0 | 0.9 | 998.5 |
| 177° | 124.2 | 124.1 | 124.1 | 123.8 | 124.2 | 123.3 | 124.1 | 0.7 | 999.3 |
| 178° | 123.9 | 123.9 | 124.2 | 123.9 | 124.0 | 123.4 | 124.1 | 0.5 | 999.7 |
| 179° | 123.9 | 123.9 | 124.0 | 124.1 | 124.0 | 123.3 | 124.0 | 0.2 | 1000.0 |
| 180° | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 0.0 | 1000.0 |

Photometric test report

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| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
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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 | 15.0 | 16.0 | 15.7 | 16.8 | 17.6 | 15.0 | 16.1 | 15.7 | 16.8 | 17.7 |
| | 3H | 15.4 | 16.4 | 16.2 | 17.1 | 18.1 | 15.5 | 16.4 | 16.2 | 17.2 | 18.1 |
| | 4H | 15.8 | 16.7 | 16.6 | 17.5 | 18.4 | 15.9 | 16.7 | 16.6 | 17.5 | 18.4 |
| | 6H | 16.2 | 17.1 | 17.0 | 17.8 | 18.8 | 16.3 | 17.1 | 17.1 | 17.9 | 18.8 |
| | 8H | 16.3 | 17.0 | 17.1 | 17.8 | 18.8 | 16.4 | 17.1 | 17.2 | 17.9 | 18.8 |
| | 12H | 16.5 | 17.2 | 17.3 | 18.0 | 18.9 | 16.5 | 17.2 | 17.3 | 18.0 | 19.0 |
| 4H | 2H | 15.1 | 16.0 | 15.9 | 16.7 | 17.7 | 15.1 | 16.0 | 15.9 | 16.8 | 17.7 |
| | 3H | 15.9 | 16.6 | 16.7 | 17.4 | 18.4 | 15.9 | 16.6 | 16.7 | 17.4 | 18.4 |
| | 4H | 16.3 | 17.0 | 17.2 | 17.8 | 18.8 | 16.3 | 17.0 | 17.1 | 17.8 | 18.8 |
| | 6H | 16.9 | 17.5 | 17.7 | 18.3 | 19.3 | 16.9 | 17.5 | 17.7 | 18.3 | 19.3 |
| | 8H | 17.0 | 17.5 | 17.8 | 18.3 | 19.4 | 17.0 | 17.5 | 17.8 | 18.3 | 19.4 |
| | 12H | 17.3 | 17.7 | 18.1 | 18.6 | 19.6 | 17.2 | 17.7 | 18.1 | 18.5 | 19.6 |
| 8H | 4H | 16.5 | 17.0 | 17.3 | 17.8 | 18.9 | 16.5 | 17.0 | 17.3 | 17.8 | 18.9 |
| | 6H | 17.1 | 17.5 | 17.9 | 18.3 | 19.4 | 17.0 | 17.5 | 17.9 | 18.3 | 19.4 |
| | 8H | 17.4 | 17.8 | 18.3 | 18.6 | 19.7 | 17.4 | 17.7 | 18.2 | 18.6 | 19.7 |
| | 12H | 17.8 | 18.1 | 18.6 | 18.9 | 20.0 | 17.7 | 18.0 | 18.6 | 18.9 | 20.0 |
| 12H | 4H | 16.6 | 17.0 | 17.4 | 17.9 | 18.9 | 16.6 | 17.0 | 17.4 | 17.9 | 18.9 |
| | 6H | 17.2 | 17.6 | 18.1 | 18.5 | 19.5 | 17.2 | 17.6 | 18.1 | 18.5 | 19.5 |
| | 8H | 17.6 | 17.9 | 18.5 | 18.8 | 19.8 | 17.6 | 17.9 | 18.4 | 18.8 | 19.8 |

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|-----------------|---------------------------------|-------------------------------|---------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | D = 390 |
|-----------------|---------------------------------|-------------------------------|---------|

| | | | | | | | |
|----------|--------------------------------|---|---|---|---|---|---------------------------|
| C-planes | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° |
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | |
| γ | Luminance in cd/m ² | | | | | | |
| 45° | 7187.1 | 7171.3 | 7057.1 | 7231.7 | 7473.2 | 7112.6 | 6916.7 |
| 50° | 5466.6 | 5627.0 | 5519.7 | 5506.3 | 5829.0 | 5612.1 | 5526.7 |
| 55° | 3839.0 | 4299.1 | 4681.9 | 4181.7 | 3945.8 | 4293.5 | 4740.3 |
| 60° | 3271.7 | 3281.2 | 3425.5 | 3338.1 | 3170.8 | 3331.6 | 3313.8 |
| 65° | 2916.3 | 2856.6 | 2955.5 | 2893.6 | 2954.8 | 2836.2 | 2918.5 |
| 70° | 2415.7 | 2646.2 | 2902.7 | 2578.0 | 2504.4 | 2552.8 | 2971.8 |
| 75° | 2813.7 | 2674.4 | 2830.9 | 2653.5 | 2764.4 | 2654.7 | 2794.0 |
| 80° | 2703.4 | 2736.5 | 2833.8 | 2670.4 | 2800.8 | 2694.2 | 2879.7 |
| 85° | 3192.8 | 2837.9 | 3020.8 | 2830.5 | 3039.1 | 2801.3 | 2918.4 |

Photometric test report

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| Family Round 21 S | Order number: 51MR34ND0421B EAN: 4058352829813 | LP number 59654_14 |
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Luminance values in cd/m²

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| γ 65° | γ 70° | γ 75° | γ 80° | γ 85° |
|--------------|--------------|--------------|--------------|--------------|

serial

