

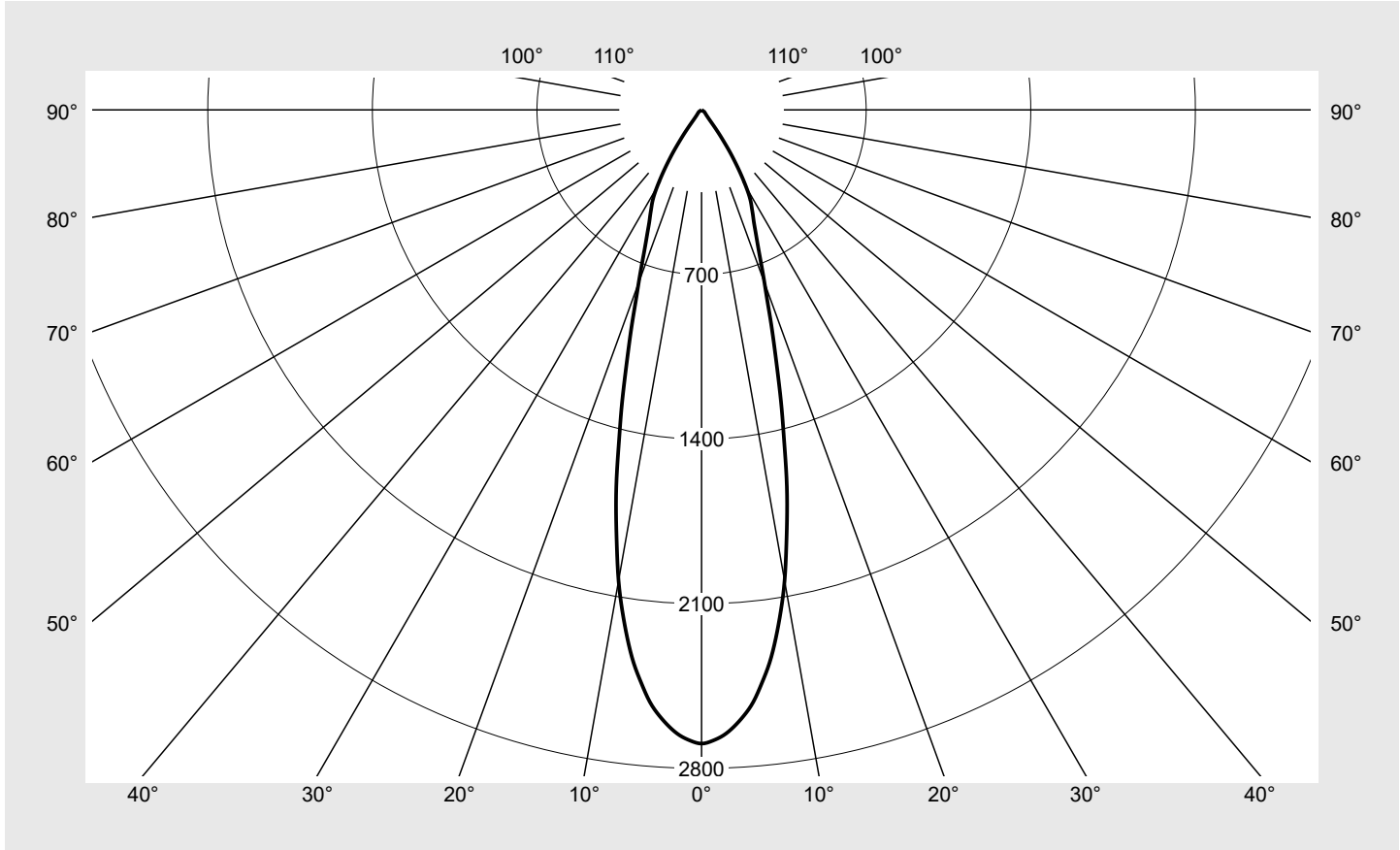


Photometric test report

| | | |
|---|---|---|
| Family Spot 21 | Order number: 51SE13DBD5B EAN: 4058352767832 | LP number 59385_12 |
|  | Version reflector, cover panel, PC, medium distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI Setting factory setting: DIP-Step=14 Rated values Net luminous flux = 5200 lm Power consumption = 40.2 W Luminous efficacy = 129.4 lm/W | serial documentation 14.02.2023 |
| | |  |

Luminous intensity in cd/klm C180-0 **Imax: 2695 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 8 0 |
| CIE | N1=95 N2=98 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 Spot 21 | Order number: 51SE13DBD5B EAN: 4058352767832 | LP number 59385_12 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | siteco |

| C-planes | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|----------|-------------------------|
| γ | Luminous intensity in cd/klm | | Luminous flux in lm/klm |
| 0° | 2694.7 | 0.6 | 0.6 |
| 1° | 2682.9 | 5.1 | 5.8 |
| 2° | 2661.3 | 10.2 | 16.0 |
| 3° | 2626.5 | 15.1 | 31.0 |
| 4° | 2582.0 | 19.8 | 50.8 |
| 5° | 2526.7 | 24.1 | 74.9 |
| 6° | 2451.1 | 28.1 | 103.0 |
| 7° | 2369.6 | 31.7 | 134.7 |
| 8° | 2268.5 | 34.6 | 169.3 |
| 9° | 2155.9 | 37.0 | 206.3 |
| 10° | 2033.1 | 38.7 | 245.0 |
| 11° | 1889.1 | 39.5 | 284.5 |
| 12° | 1749.6 | 39.9 | 324.4 |
| 13° | 1606.3 | 39.6 | 364.1 |
| 14° | 1451.7 | 38.5 | 402.6 |
| 15° | 1316.6 | 37.4 | 439.9 |
| 16° | 1182.9 | 35.8 | 475.7 |
| 17° | 1063.4 | 34.1 | 509.8 |
| 18° | 958.3 | 32.5 | 542.3 |
| 19° | 860.0 | 30.7 | 573.0 |
| 20° | 782.1 | 29.3 | 602.3 |
| 21° | 713.2 | 28.0 | 630.3 |
| 22° | 652.6 | 26.8 | 657.1 |
| 23° | 603.4 | 25.9 | 683.0 |
| 24° | 562.1 | 25.1 | 708.1 |
| 25° | 526.2 | 24.4 | 732.5 |
| 26° | 498.5 | 24.0 | 756.4 |
| 27° | 471.8 | 23.5 | 779.9 |
| 28° | 447.7 | 23.1 | 803.0 |
| 29° | 418.5 | 22.2 | 825.2 |
| 30° | 379.9 | 20.8 | 846.0 |
| 31° | 337.7 | 19.1 | 865.1 |
| 32° | 295.4 | 17.2 | 882.3 |
| 33° | 252.5 | 15.1 | 897.4 |
| 34° | 211.9 | 13.0 | 910.4 |
| 35° | 167.9 | 10.6 | 920.9 |
| 36° | 131.9 | 8.5 | 929.4 |
| 37° | 96.9 | 6.4 | 935.8 |
| 38° | 68.0 | 4.6 | 940.4 |
| 39° | 50.9 | 3.5 | 943.9 |
| 40° | 42.0 | 3.0 | 946.9 |
| 41° | 36.2 | 2.6 | 949.5 |
| 42° | 31.8 | 2.3 | 951.8 |
| 43° | 28.9 | 2.2 | 954.0 |
| 44° | 26.7 | 2.0 | 956.0 |
| 45° | 24.8 | 1.9 | 957.9 |
| 46° | 23.2 | 1.8 | 959.8 |

| C-planes | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|----------|-------------------------|
| γ | Luminous intensity in cd/klm | | Luminous flux in lm/klm |
| 47° | 22.0 | 1.8 | 961.5 |
| 48° | 20.4 | 1.7 | 963.2 |
| 49° | 19.4 | 1.6 | 964.8 |
| 50° | 17.8 | 1.5 | 966.3 |
| 51° | 17.1 | 1.5 | 967.8 |
| 52° | 16.0 | 1.4 | 969.1 |
| 53° | 15.3 | 1.3 | 970.5 |
| 54° | 14.6 | 1.3 | 971.8 |
| 55° | 14.2 | 1.3 | 973.0 |
| 56° | 13.3 | 1.2 | 974.2 |
| 57° | 12.9 | 1.2 | 975.4 |
| 58° | 12.3 | 1.1 | 976.6 |
| 59° | 12.0 | 1.1 | 977.7 |
| 60° | 11.7 | 1.1 | 978.8 |
| 61° | 11.3 | 1.1 | 979.9 |
| 62° | 11.2 | 1.1 | 981.0 |
| 63° | 10.7 | 1.0 | 982.0 |
| 64° | 10.6 | 1.0 | 983.1 |
| 65° | 10.0 | 1.0 | 984.1 |
| 66° | 9.9 | 1.0 | 985.0 |
| 67° | 9.6 | 1.0 | 986.0 |
| 68° | 9.2 | 0.9 | 986.9 |
| 69° | 9.0 | 0.9 | 987.9 |
| 70° | 8.7 | 0.9 | 988.8 |
| 71° | 8.2 | 0.9 | 989.6 |
| 72° | 7.9 | 0.8 | 990.4 |
| 73° | 7.8 | 0.8 | 991.3 |
| 74° | 7.5 | 0.8 | 992.0 |
| 75° | 7.5 | 0.8 | 992.8 |
| 76° | 6.8 | 0.7 | 993.6 |
| 77° | 6.7 | 0.7 | 994.3 |
| 78° | 6.6 | 0.7 | 995.0 |
| 79° | 6.3 | 0.7 | 995.7 |
| 80° | 5.8 | 0.6 | 996.3 |
| 81° | 5.5 | 0.6 | 996.9 |
| 82° | 5.1 | 0.6 | 997.4 |
| 83° | 4.5 | 0.5 | 997.9 |
| 84° | 4.1 | 0.4 | 998.4 |
| 85° | 3.4 | 0.4 | 998.8 |
| 86° | 3.0 | 0.3 | 999.1 |
| 87° | 2.6 | 0.3 | 999.4 |
| 88° | 2.2 | 0.2 | 999.6 |
| 89° | 2.4 | 0.3 | 999.9 |
| 90° | 2.4 | 0.3 | 1000.1 |

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|-------------------|---|-----------------------|
| Family Spot 21 | Order number: 51SE13DBD5B EAN: 4058352767832 | LP number 59385_12 |
|-------------------|---|-----------------------|

| | | | |
|-----------|---------------|--------|--|
| 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 | 21.0 | 22.1 | 21.3 | 22.4 | 22.7 | 21.0 | 22.1 | 21.3 | 22.4 | 22.7 |
| | 3H | 21.4 | 22.3 | 21.7 | 22.6 | 23.0 | 21.4 | 22.3 | 21.7 | 22.6 | 23.0 |
| | 4H | 21.7 | 22.5 | 22.1 | 22.9 | 23.3 | 21.7 | 22.5 | 22.1 | 22.9 | 23.3 |
| | 6H | 22.2 | 22.9 | 22.6 | 23.2 | 23.6 | 22.2 | 22.9 | 22.6 | 23.2 | 23.6 |
| | 8H | 22.5 | 23.1 | 22.9 | 23.4 | 23.9 | 22.5 | 23.1 | 22.9 | 23.4 | 23.9 |
| | 12H | 22.7 | 23.2 | 23.1 | 23.6 | 24.0 | 22.7 | 23.2 | 23.1 | 23.6 | 24.0 |
| 4H | 2H | 21.0 | 21.8 | 21.4 | 22.2 | 22.6 | 21.0 | 21.8 | 21.4 | 22.2 | 22.6 |
| | 3H | 21.5 | 22.2 | 22.0 | 22.6 | 23.1 | 21.5 | 22.2 | 22.0 | 22.6 | 23.1 |
| | 4H | 22.0 | 22.6 | 22.5 | 23.0 | 23.5 | 22.0 | 22.6 | 22.5 | 23.0 | 23.5 |
| | 6H | 22.7 | 23.2 | 23.1 | 23.6 | 24.1 | 22.7 | 23.2 | 23.1 | 23.6 | 24.1 |
| | 8H | 23.0 | 23.5 | 23.5 | 23.9 | 24.4 | 23.0 | 23.5 | 23.5 | 23.9 | 24.4 |
| | 12H | 23.4 | 23.7 | 23.9 | 24.2 | 24.7 | 23.4 | 23.7 | 23.9 | 24.2 | 24.7 |
| 8H | 4H | 22.2 | 22.7 | 22.7 | 23.1 | 23.6 | 22.2 | 22.7 | 22.7 | 23.1 | 23.6 |
| | 6H | 23.0 | 23.4 | 23.5 | 23.9 | 24.4 | 23.0 | 23.4 | 23.5 | 23.9 | 24.4 |
| | 8H | 23.5 | 23.8 | 24.0 | 24.3 | 24.8 | 23.5 | 23.8 | 24.0 | 24.3 | 24.8 |
| | 12H | 24.0 | 24.2 | 24.5 | 24.7 | 25.2 | 24.0 | 24.2 | 24.5 | 24.7 | 25.2 |
| 12H | 4H | 22.3 | 22.6 | 22.8 | 23.1 | 23.6 | 22.3 | 22.6 | 22.8 | 23.1 | 23.6 |
| | 6H | 23.2 | 23.4 | 23.7 | 23.9 | 24.5 | 23.2 | 23.4 | 23.7 | 23.9 | 24.5 |
| | 8H | 23.7 | 23.9 | 24.2 | 24.4 | 25.0 | 23.7 | 23.9 | 24.2 | 24.4 | 25.0 |

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|-----------------|---------------------------------|-------------------------------|--------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | D = 79 |
|-----------------|---------------------------------|-------------------------------|--------|

| | |
|----------|--------------------------------|
| C-planes | 0° |
| γ | Luminance in cd/m ² |
| 45° | 37238.6 |
| 50° | 29359.1 |
| 55° | 26239.7 |
| 60° | 24718.1 |
| 65° | 25046.9 |
| 70° | 26855.0 |
| 75° | 30766.0 |
| 80° | 35317.7 |
| 85° | 41336.2 |

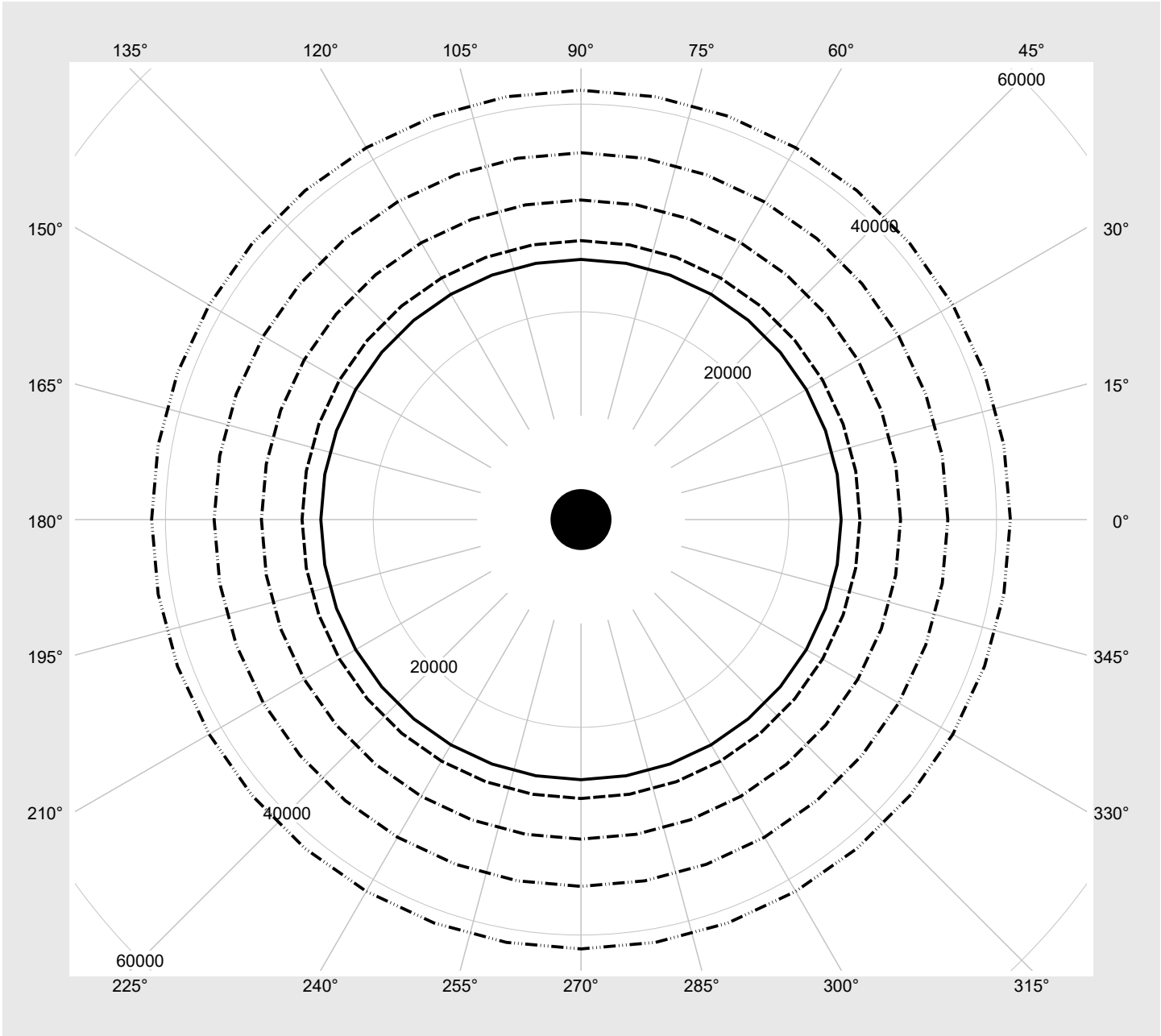
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| | | |
|--------------------------|---|------------------------------|
| Family Spot 21 | Order number: 51SE13DBD5B EAN: 4058352767832 | LP number 59385_12 |
|--------------------------|---|------------------------------|



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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| | | |
|--------------------------|---|------------------------------|
| Family Spot 21 | Order number: 51SE13DBD5B EAN: 4058352767832 | LP number 59385_12 |
|--------------------------|---|------------------------------|

| | | |
|-------------------------|---------------------------------|---------------|
| Multilumen Table | environmental temperature: 25°C | siteco |
|-------------------------|---------------------------------|---------------|

| DIP-Step | Switch Setting | | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|-----|-----------------------|--------------------------|
| | 1 | 2 | 3 | 4 | | |
| 15 | ON | ON | ON | ON | 5410 | 42.1 |
| 14 | ON | ON | ON | OFF | 5200 | 40.2 |
| 13 | ON | ON | OFF | ON | 4990 | 37.8 |
| 12 | ON | ON | OFF | OFF | 4770 | 36.2 |
| 11 | ON | OFF | ON | ON | 4520 | 34.0 |
| 10 | ON | OFF | ON | OFF | 4290 | 32.4 |
| 9 | ON | OFF | OFF | ON | 4050 | 29.8 |
| 8 | ON | OFF | OFF | OFF | 3800 | 27.7 |
| 7 | OFF | ON | ON | ON | 3600 | 26.1 |
| 6 | OFF | ON | ON | OFF | 3350 | 24.3 |
| 5 | OFF | ON | OFF | ON | 3100 | 22.2 |
| 4 | OFF | ON | OFF | OFF | 2850 | 20.2 |
| 3 | OFF | OFF | ON | ON | 2540 | 18.0 |
| 2 | OFF | OFF | ON | OFF | 2280 | 16.0 |
| 1 | OFF | OFF | OFF | ON | 2000 | 14.0 |
| 0 | OFF | OFF | OFF | OFF | 1720 | 12.1 |