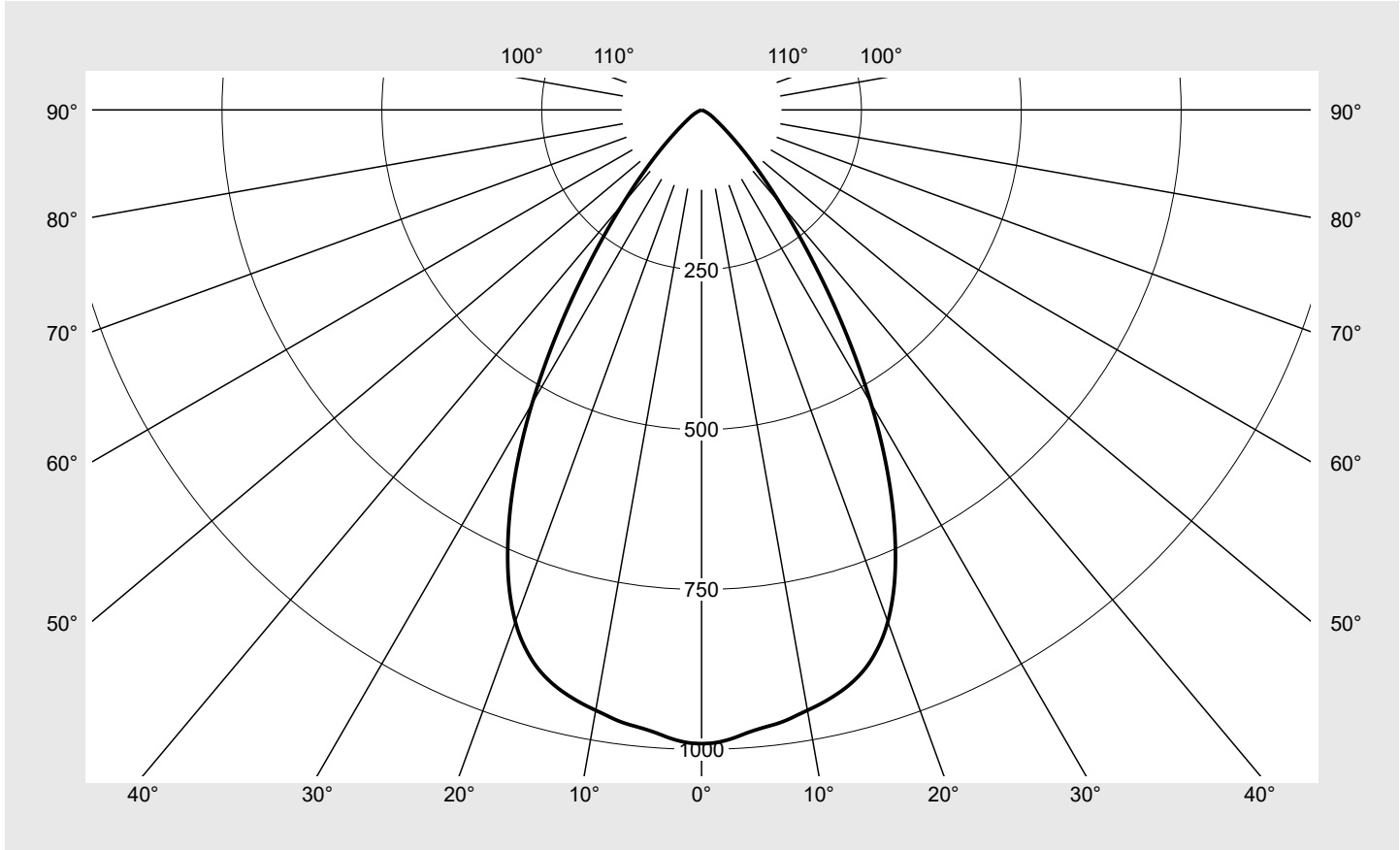


Photometric test report

| | | |
|---|--|--|
| Family Lunis 21 | Order number: 51DB15DD42 EAN: 4058352555002 | LP number 59250_3 |
|  | Version Combined lens and reflector optics, highly specular reflector, wide distribution, UGR≤19 (L65≤3000cd/m²) | serial documentation 03.02.2022 |
| | Lamps LED 4000 K CRI ≥ 80 | Rated values Net luminous flux = 1700 lm Power consumption = 13.8 W Luminous efficacy = 123.2 lm/W |
| Controlgear ECG-DALI |  | |

Luminous intensity in cd/klm C180-0 **Imax: 991 cd/klm**



| Classifications | |
|-----------------|-------------------------------------|
| DIN 5040 | A 7 0 |
| CIE | N1=90 N2=99 N3=100 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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|---------------------------|--|-----------------------------|
| Family Lunis 21 | Order number: 51DB15DD42 EAN: 4058352555002 | LP number 59250_3 |
|---------------------------|--|-----------------------------|

sITeco

Table of values for luminous intensities Maximum luminous intensity

| C-planes | | | | C-planes | | | |
|----------------------|------------------------------|-------------------------|-------------------|----------------------|------------------------------|-------------------------|-------------------|
| C-planes γ | 0° | | Total Phi-zone | C-planes γ | 0° | | Total Phi-zone |
| | Luminous intensity in cd/klm | Luminous flux in lm/klm | | | Luminous intensity in cd/klm | Luminous flux in lm/klm | |
| 0° | 991.0 | 0.2 | 0.2 | 47° | 75.9 | 6.1 | 954.9 |
| 1° | 990.2 | 1.9 | 2.1 | 48° | 65.6 | 5.3 | 960.2 |
| 2° | 987.4 | 3.8 | 5.9 | 49° | 56.7 | 4.7 | 964.9 |
| 3° | 983.1 | 5.6 | 11.6 | 50° | 49.5 | 4.2 | 969.1 |
| 4° | 977.7 | 7.5 | 19.0 | 51° | 43.1 | 3.7 | 972.7 |
| 5° | 973.2 | 9.3 | 28.3 | 52° | 37.7 | 3.3 | 976.0 |
| 6° | 969.9 | 11.1 | 39.5 | 53° | 33.2 | 2.9 | 978.9 |
| 7° | 967.0 | 12.9 | 52.4 | 54° | 29.3 | 2.6 | 981.5 |
| 8° | 963.2 | 14.7 | 67.1 | 55° | 26.1 | 2.3 | 983.9 |
| 9° | 958.1 | 16.4 | 83.5 | 56° | 23.5 | 2.1 | 986.0 |
| 10° | 953.4 | 18.2 | 101.7 | 57° | 21.3 | 2.0 | 988.0 |
| 11° | 948.9 | 19.9 | 121.5 | 58° | 19.3 | 1.8 | 989.7 |
| 12° | 943.7 | 21.5 | 143.0 | 59° | 17.5 | 1.6 | 991.4 |
| 13° | 938.0 | 23.1 | 166.2 | 60° | 15.5 | 1.5 | 992.9 |
| 14° | 931.4 | 24.7 | 190.9 | 61° | 13.6 | 1.3 | 994.2 |
| 15° | 923.4 | 26.2 | 217.1 | 62° | 11.5 | 1.1 | 995.3 |
| 16° | 913.8 | 27.6 | 244.7 | 63° | 9.8 | 1.0 | 996.2 |
| 17° | 902.0 | 28.9 | 273.6 | 64° | 8.3 | 0.8 | 997.0 |
| 18° | 887.7 | 30.1 | 303.7 | 65° | 7.1 | 0.7 | 997.7 |
| 19° | 871.2 | 31.1 | 334.8 | 66° | 6.0 | 0.6 | 998.4 |
| 20° | 851.7 | 31.9 | 366.8 | 67° | 5.1 | 0.5 | 998.9 |
| 21° | 829.0 | 32.6 | 399.3 | 68° | 4.0 | 0.4 | 999.3 |
| 22° | 803.8 | 33.0 | 432.4 | 69° | 2.8 | 0.3 | 999.6 |
| 23° | 775.6 | 33.2 | 465.6 | 70° | 1.7 | 0.2 | 999.7 |
| 24° | 745.0 | 33.2 | 498.8 | 71° | 1.0 | 0.1 | 999.8 |
| 25° | 712.8 | 33.0 | 531.9 | 72° | 0.7 | 0.1 | 999.9 |
| 26° | 678.8 | 32.6 | 564.5 | 73° | 0.4 | 0.0 | 999.9 |
| 27° | 643.2 | 32.0 | 596.5 | 74° | 0.2 | 0.0 | 1000.0 |
| 28° | 606.3 | 31.2 | 627.7 | 75° | 0.0 | 0.0 | 1000.0 |
| 29° | 568.5 | 30.2 | 658.0 | 76° | 0.0 | 0.0 | 1000.0 |
| 30° | 529.9 | 29.1 | 687.0 | 77° | 0.0 | 0.0 | 1000.0 |
| 31° | 490.1 | 27.7 | 714.7 | 78° | 0.0 | 0.0 | 1000.0 |
| 32° | 450.9 | 26.2 | 740.9 | 79° | 0.0 | 0.0 | 1000.0 |
| 33° | 412.3 | 24.6 | 765.5 | 80° | 0.0 | 0.0 | 1000.0 |
| 34° | 374.8 | 23.0 | 788.5 | 81° | 0.0 | 0.0 | 1000.0 |
| 35° | 338.4 | 21.3 | 809.8 | 82° | 0.0 | 0.0 | 1000.0 |
| 36° | 304.0 | 19.6 | 829.4 | 83° | 0.0 | 0.0 | 1000.0 |
| 37° | 272.4 | 18.0 | 847.4 | 84° | 0.0 | 0.0 | 1000.0 |
| 38° | 243.0 | 16.4 | 863.8 | 85° | 0.0 | 0.0 | 1000.0 |
| 39° | 216.5 | 14.9 | 878.7 | 86° | 0.0 | 0.0 | 1000.0 |
| 40° | 191.9 | 13.5 | 892.2 | 87° | 0.0 | 0.0 | 1000.0 |
| 41° | 170.0 | 12.2 | 904.5 | 88° | 0.0 | 0.0 | 1000.0 |
| 42° | 149.7 | 11.0 | 915.5 | 89° | 0.0 | 0.0 | 1000.0 |
| 43° | 131.6 | 9.8 | 925.3 | 90° | 0.0 | 0.0 | 1000.0 |
| 44° | 115.3 | 8.8 | 934.1 | | | | |
| 45° | 100.7 | 7.8 | 941.9 | | | | |
| 46° | 87.5 | 6.9 | 948.8 | | | | |

Photometric test report

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|---------------------------|--|-----------------------------|
| Family Lunis 21 | Order number: 51DB15DD42 EAN: 4058352555002 | LP number 59250_3 |
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|------------------|----------------------|---------------|
| 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 | 18.1 | 19.3 | 18.4 | 19.6 | 19.9 | 18.1 | 19.3 | 18.4 | 19.6 | 19.9 |
| | 3H | 17.9 | 19.0 | 18.3 | 19.3 | 19.7 | 17.9 | 19.0 | 18.3 | 19.3 | 19.7 |
| | 4H | 17.9 | 18.8 | 18.3 | 19.2 | 19.6 | 17.9 | 18.8 | 18.3 | 19.2 | 19.6 |
| | 6H | 17.8 | 18.7 | 18.2 | 19.0 | 19.4 | 17.8 | 18.7 | 18.2 | 19.0 | 19.4 |
| | 8H | 17.9 | 18.6 | 18.3 | 19.0 | 19.4 | 17.9 | 18.6 | 18.3 | 19.0 | 19.4 |
| | 12H | 17.8 | 18.5 | 18.3 | 18.9 | 19.3 | 17.8 | 18.5 | 18.3 | 18.9 | 19.3 |
| 4H | 2H | 17.9 | 18.9 | 18.3 | 19.2 | 19.6 | 17.9 | 18.9 | 18.3 | 19.2 | 19.6 |
| | 3H | 17.8 | 18.6 | 18.2 | 18.9 | 19.4 | 17.8 | 18.6 | 18.2 | 18.9 | 19.4 |
| | 4H | 17.7 | 18.4 | 18.1 | 18.8 | 19.2 | 17.7 | 18.4 | 18.1 | 18.8 | 19.2 |
| | 6H | 17.6 | 18.2 | 18.0 | 18.6 | 19.1 | 17.6 | 18.2 | 18.0 | 18.6 | 19.1 |
| | 8H | 17.5 | 18.1 | 18.0 | 18.5 | 19.0 | 17.5 | 18.1 | 18.0 | 18.5 | 19.0 |
| | 12H | 17.5 | 18.0 | 18.0 | 18.4 | 18.9 | 17.5 | 18.0 | 18.0 | 18.4 | 18.9 |
| 8H | 4H | 17.5 | 18.1 | 18.0 | 18.5 | 19.0 | 17.5 | 18.1 | 18.0 | 18.5 | 19.0 |
| | 6H | 17.4 | 17.8 | 17.9 | 18.3 | 18.8 | 17.4 | 17.8 | 17.9 | 18.3 | 18.8 |
| | 8H | 17.4 | 17.7 | 17.9 | 18.2 | 18.8 | 17.4 | 17.7 | 17.9 | 18.2 | 18.8 |
| | 12H | 17.3 | 17.6 | 17.9 | 18.1 | 18.7 | 17.3 | 17.6 | 17.9 | 18.1 | 18.7 |
| 12H | 4H | 17.5 | 18.0 | 18.0 | 18.4 | 18.9 | 17.5 | 18.0 | 18.0 | 18.4 | 18.9 |
| | 6H | 17.4 | 17.7 | 17.9 | 18.2 | 18.8 | 17.4 | 17.7 | 17.9 | 18.2 | 18.8 |
| | 8H | 17.3 | 17.6 | 17.9 | 18.1 | 18.7 | 17.3 | 17.6 | 17.9 | 18.1 | 18.7 |

| | | |
|------------------------|---|--|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: D = 137 |
|------------------------|---|--|

| | |
|-----------------|--------------------------------------|
| C-planes | 0° |
| γ | Luminance in cd/m² |
| 45° | 16422.4 |
| 50° | 8876.7 |
| 55° | 5256.3 |
| 60° | 3584.0 |
| 65° | 1934.7 |
| 70° | 562.4 |
| 75° | 16.9 |
| 80° | 12.0 |
| 85° | 25.1 |

Photometric test report

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

