

Photometric test report

Family Spot 21 Standard



Order number: 51SE64DB11D2C
EAN: 4069025448101

LP number
59937_32

| | |
|---------------------|---|
| Version | housing, white aluminium, reflector, cover glass, transparent, wide distribution |
| Lamps | LED 4000 K CRI ≥ 90 |
| Controlgear | ECG-DALI-Multilumen |
| Setting | factory setting: DIP-Step=7 |
| Rated values | Net luminous flux = 2830 lm Power consumption = 19.8 W Luminous efficacy = 142.9 lm/W |

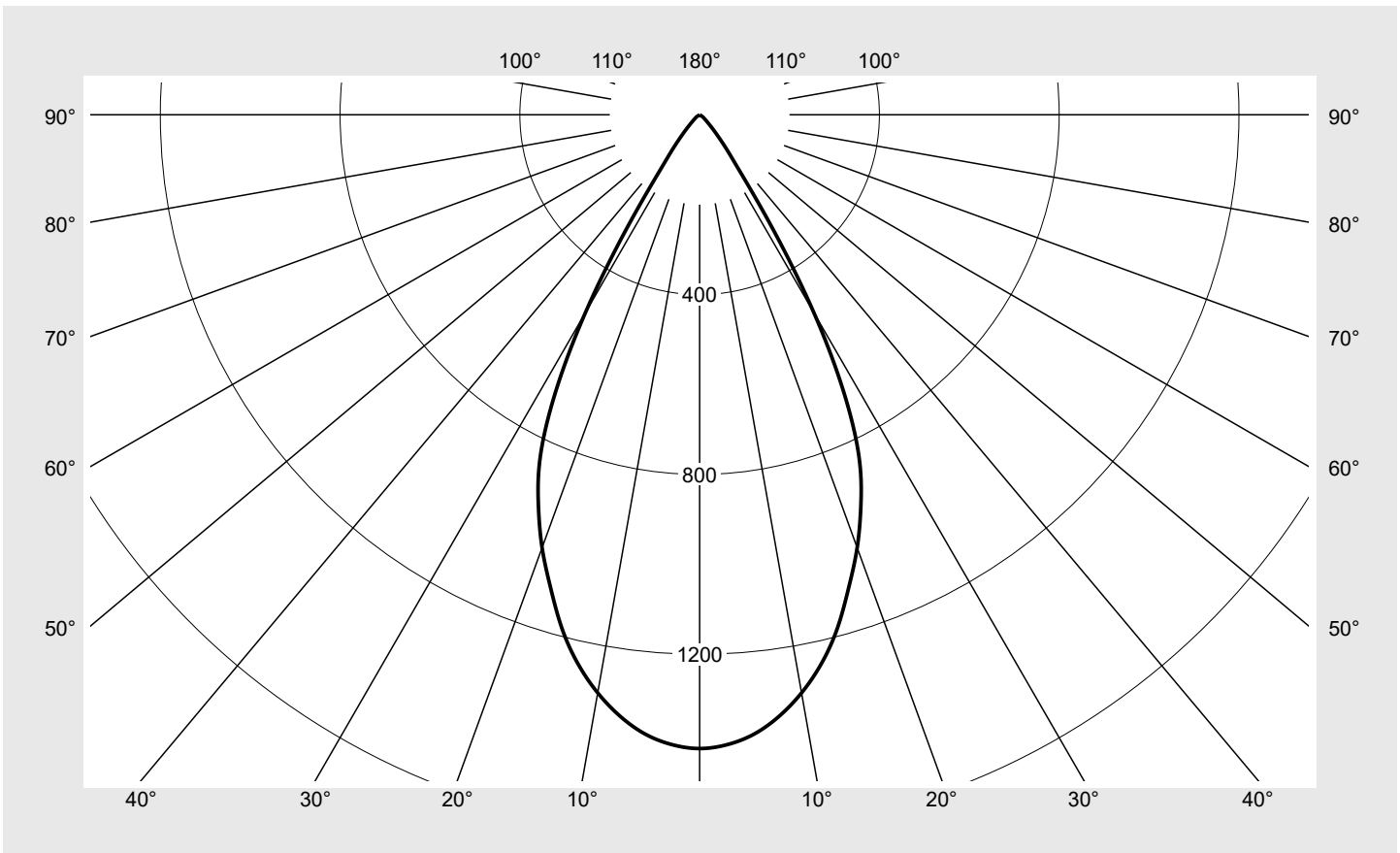
serial
documentation
11.05.2026

sitEco

Luminous intensity in cd/klm

C180-0

Imax: 1410 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=96 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

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

| C-planes | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|----------|-------------------------|
| γ | Luminous intensity in cd/klm | | Luminous flux in lm/klm |
| 0,0° | 1409.8 | 2.1 | 2.1 |
| 2,5° | 1402.5 | 16.8 | 18.9 |
| 5,0° | 1383.3 | 33.0 | 51.9 |
| 7,5° | 1350.1 | 48.3 | 100.2 |
| 10,0° | 1305.8 | 62.2 | 162.4 |
| 12,5° | 1250.9 | 74.2 | 236.6 |
| 15,0° | 1183.2 | 84.0 | 320.6 |
| 17,5° | 1103.1 | 90.9 | 411.5 |
| 20,0° | 1024.9 | 96.1 | 507.6 |
| 22,5° | 937.8 | 98.4 | 606.0 |
| 25,0° | 838.9 | 97.2 | 703.2 |
| 27,5° | 692.9 | 87.7 | 790.9 |
| 30,0° | 508.4 | 69.7 | 860.5 |
| 32,5° | 313.6 | 46.2 | 906.7 |
| 35,0° | 170.0 | 26.7 | 933.5 |
| 37,5° | 107.2 | 17.9 | 951.4 |
| 40,0° | 69.8 | 12.3 | 963.7 |
| 42,5° | 45.7 | 8.5 | 972.1 |
| 45,0° | 29.8 | 5.8 | 977.9 |
| 47,5° | 20.8 | 4.2 | 982.1 |
| 50,0° | 15.0 | 3.2 | 985.3 |
| 52,5° | 11.4 | 2.5 | 987.7 |
| 55,0° | 9.1 | 2.0 | 989.8 |
| 57,5° | 7.4 | 1.7 | 991.5 |
| 60,0° | 6.2 | 1.5 | 993.0 |
| 62,5° | 5.4 | 1.3 | 994.3 |
| 65,0° | 4.6 | 1.1 | 995.4 |
| 67,5° | 4.0 | 1.0 | 996.5 |
| 70,0° | 3.5 | 0.9 | 997.4 |
| 72,5° | 2.9 | 0.8 | 998.1 |
| 75,0° | 2.3 | 0.6 | 998.7 |
| 77,5° | 1.7 | 0.5 | 999.2 |
| 80,0° | 1.3 | 0.4 | 999.5 |
| 82,5° | 0.9 | 0.2 | 999.8 |
| 85,0° | 0.6 | 0.2 | 999.9 |
| 87,5° | 0.2 | 0.1 | 1000.0 |
| 90,0° | 0.0 | 0.0 | 1000.0 |

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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 | 19.1 | 20.2 | 19.4 | 20.5 | 20.8 | 19.1 | 20.2 | 19.4 | 20.5 | 20.8 |
| | 3H | 19.0 | 20.0 | 19.4 | 20.3 | 20.7 | 19.0 | 20.0 | 19.4 | 20.3 | 20.7 |
| | 4H | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 |
| | 6H | 18.9 | 19.7 | 19.3 | 20.1 | 20.5 | 18.9 | 19.7 | 19.3 | 20.1 | 20.5 |
| | 8H | 19.0 | 19.6 | 19.5 | 20.0 | 20.4 | 19.0 | 19.6 | 19.5 | 20.0 | 20.4 |
| | 12H | 19.0 | 19.6 | 19.4 | 19.9 | 20.4 | 19.0 | 19.6 | 19.4 | 19.9 | 20.4 |
| 4H | 2H | 18.9 | 19.8 | 19.3 | 20.1 | 20.5 | 18.9 | 19.8 | 19.3 | 20.1 | 20.5 |
| | 3H | 18.8 | 19.5 | 19.2 | 19.9 | 20.3 | 18.8 | 19.5 | 19.2 | 19.9 | 20.3 |
| | 4H | 18.8 | 19.4 | 19.2 | 19.8 | 20.3 | 18.8 | 19.4 | 19.2 | 19.8 | 20.3 |
| | 6H | 18.7 | 19.3 | 19.2 | 19.7 | 20.2 | 18.7 | 19.3 | 19.2 | 19.7 | 20.2 |
| | 8H | 18.7 | 19.2 | 19.2 | 19.6 | 20.1 | 18.7 | 19.2 | 19.2 | 19.6 | 20.1 |
| | 12H | 18.7 | 19.1 | 19.2 | 19.6 | 20.1 | 18.7 | 19.1 | 19.2 | 19.6 | 20.1 |
| 8H | 4H | 18.7 | 19.2 | 19.2 | 19.6 | 20.1 | 18.7 | 19.2 | 19.2 | 19.6 | 20.1 |
| | 6H | 18.7 | 19.0 | 19.2 | 19.5 | 20.0 | 18.7 | 19.0 | 19.2 | 19.5 | 20.0 |
| | 8H | 18.6 | 18.9 | 19.1 | 19.4 | 20.0 | 18.6 | 18.9 | 19.1 | 19.4 | 20.0 |
| | 12H | 18.6 | 18.9 | 19.1 | 19.4 | 19.9 | 18.6 | 18.9 | 19.1 | 19.4 | 19.9 |
| 12H | 4H | 18.7 | 19.0 | 19.2 | 19.5 | 20.0 | 18.7 | 19.0 | 19.2 | 19.5 | 20.0 |
| | 6H | 18.6 | 18.9 | 19.1 | 19.4 | 19.9 | 18.6 | 18.9 | 19.1 | 19.4 | 19.9 |
| | 8H | 18.6 | 18.8 | 19.1 | 19.4 | 19.9 | 18.6 | 18.8 | 19.1 | 19.4 | 19.9 |

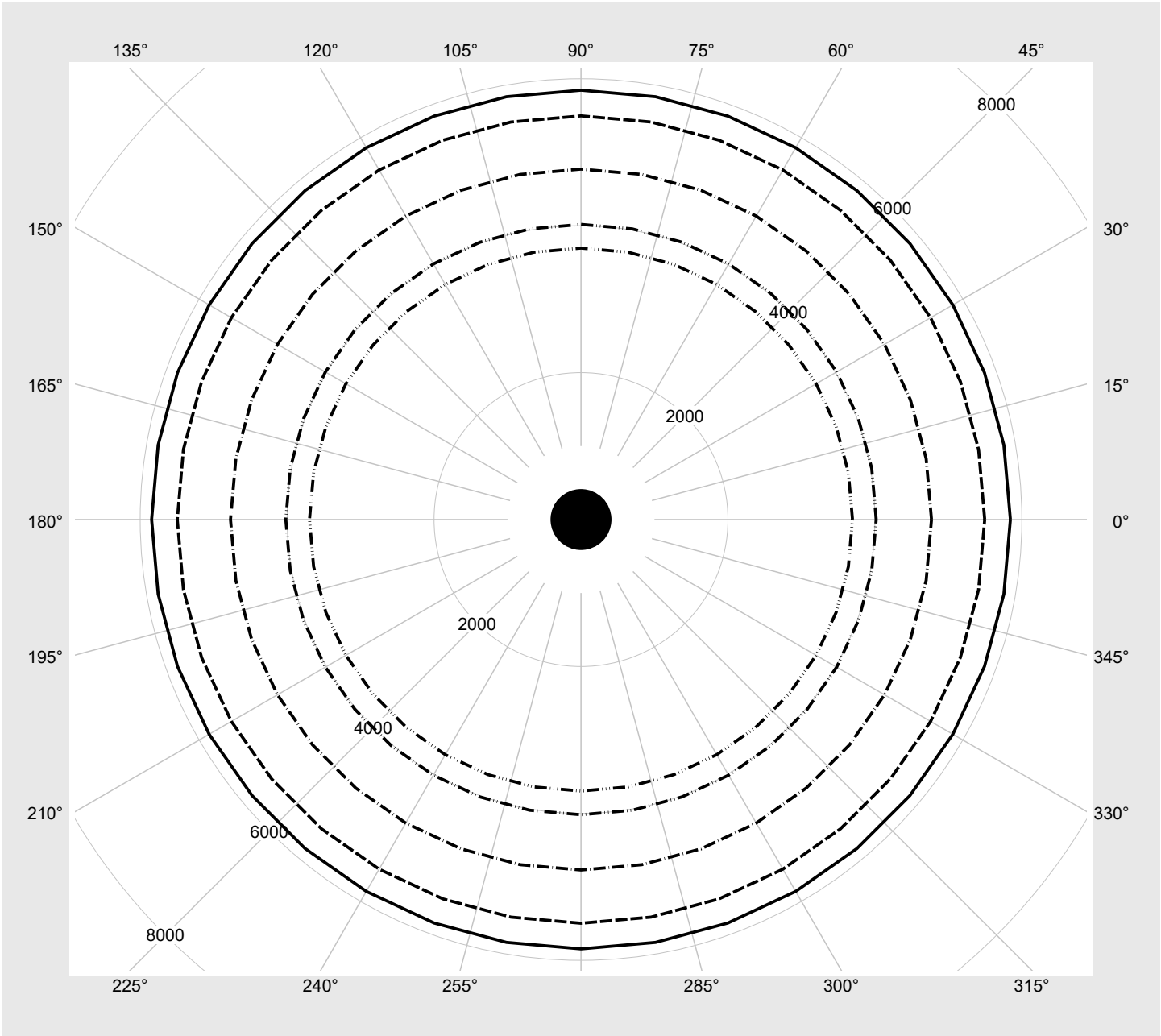
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|-----------------|---------------------------------|--------------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: D = 82 |
|-----------------|---------------------------------|--------------------------------------|

| | |
|----------|--------------------------------|
| C-planes | 0° |
| γ | Luminance in cd/m ² |
| 45,0° | 22550.6 |
| 50,0° | 12528.6 |
| 55,0° | 8517.8 |
| 60,0° | 6657.8 |
| 65,0° | 5844.2 |
| 70,0° | 5494.8 |
| 75,0° | 4770.4 |
| 80,0° | 4018.0 |
| 85,0° | 3695.3 |

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



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

| DIP-Step | Switch Setting | | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | | |
| 11 | ON | OFF | ON | ON | 3810 | 28.1 |
| 10 | ON | OFF | ON | OFF | 3570 | 25.9 |
| 9 | ON | OFF | OFF | ON | 3330 | 23.8 |
| 8 | ON | OFF | OFF | OFF | 3080 | 21.7 |
| 7 | OFF | ON | ON | ON | 2830 | 19.8 |
| 6 | OFF | ON | ON | OFF | 2570 | 17.7 |
| 5 | OFF | ON | OFF | ON | 2300 | 15.7 |
| 4 | OFF | ON | OFF | OFF | 2030 | 13.8 |
| 3 | OFF | OFF | ON | ON | 1760 | 11.7 |
| 2 | OFF | OFF | ON | OFF | 1470 | 9.9 |
| 1 | OFF | OFF | OFF | ON | 1180 | 8.1 |
| 0 | OFF | OFF | OFF | OFF | 880 | 6.2 |