
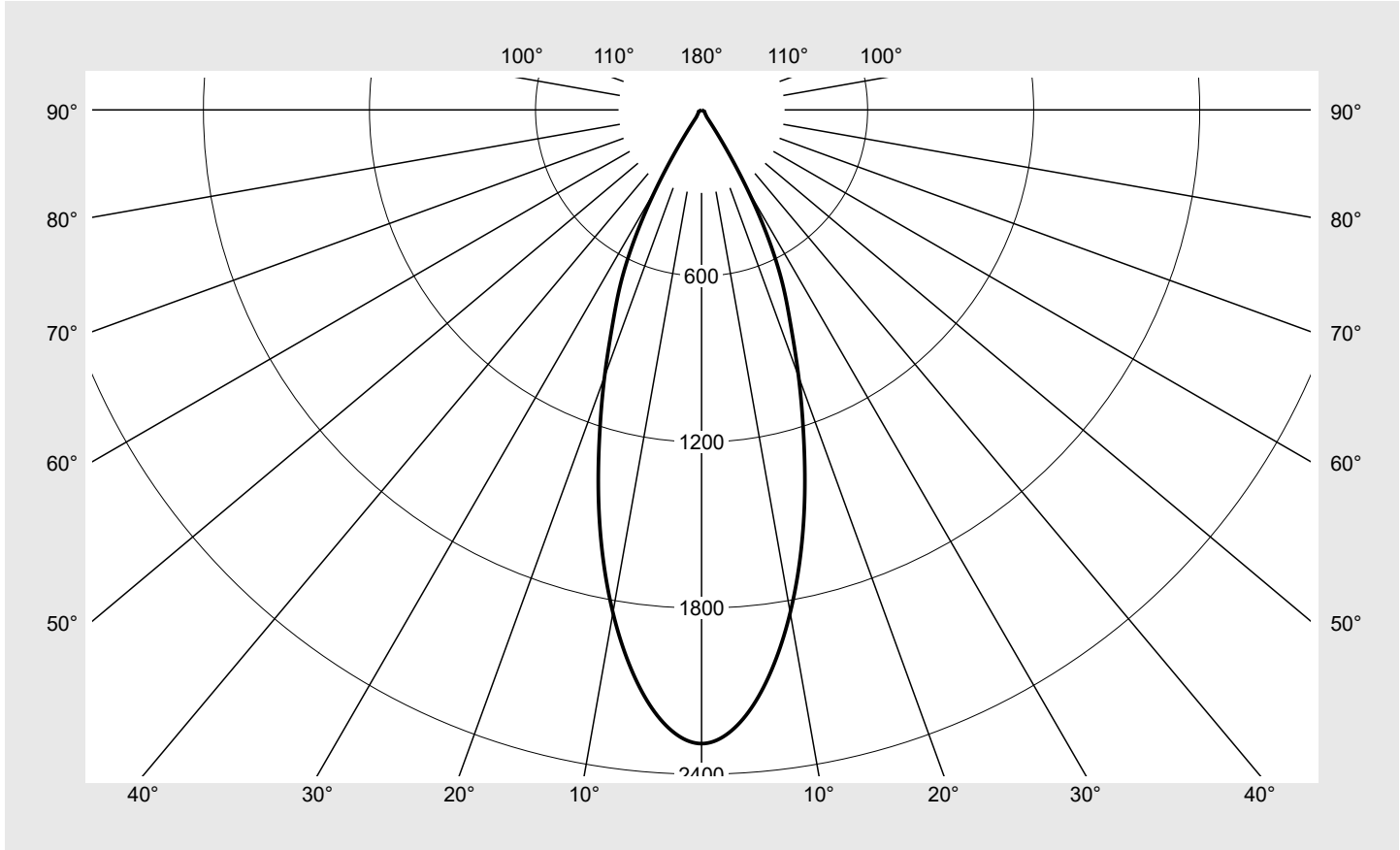


Photometric test report

| | | |
|--|--|--|
| Family Spot 21 Standard | Order number: 51SE13DB11B2C EAN: 4069025446978 | LP number 59929_32 |
| | Version housing, white, reflector, cover glass, transparent, medium distribution Lamps LED 3000 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=7 Rated values Net luminous flux = 2920 lm Power consumption = 19.8 W Luminous efficacy = 147.5 lm/W | serial documentation 11.05.2026 |



Luminous intensity in cd/klm C180-0 **Imax: 2290 cd/klm**



| Classifications | |
|-----------------|-------------------------------------|
| DIN 5040 | A 8 0 |
| CIE | N1=96 N2=98 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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| | |
|---|-----------------------------------|
| Table of values for luminous intensities | Maximum luminous intensity |
|---|-----------------------------------|

| C-planes γ | 0° Luminous intensity in cd/klm | Phi-zone Luminous flux in lm/klm | Total Phi-zone |
|----------------------|------------------------------------|-------------------------------------|-------------------|
| 0,0° | 2289.5 | 3.4 | 3.4 |
| 2,5° | 2252.9 | 26.9 | 30.4 |
| 5,0° | 2156.9 | 51.5 | 81.9 |
| 7,5° | 2016.0 | 72.1 | 154.0 |
| 10,0° | 1844.4 | 87.8 | 241.8 |
| 12,5° | 1650.3 | 97.9 | 339.8 |
| 15,0° | 1440.1 | 102.2 | 441.9 |
| 17,5° | 1224.6 | 100.9 | 542.9 |
| 20,0° | 1024.7 | 96.1 | 639.0 |
| 22,5° | 841.7 | 88.3 | 727.2 |
| 25,0° | 691.4 | 80.1 | 807.3 |
| 27,5° | 518.9 | 65.7 | 873.0 |
| 30,0° | 329.4 | 45.2 | 918.2 |
| 32,5° | 151.6 | 22.3 | 940.5 |
| 35,0° | 46.4 | 7.3 | 947.8 |
| 37,5° | 28.4 | 4.7 | 952.6 |
| 40,0° | 23.2 | 4.1 | 956.6 |
| 42,5° | 20.2 | 3.7 | 960.4 |
| 45,0° | 18.0 | 3.5 | 963.9 |
| 47,5° | 16.3 | 3.3 | 967.1 |
| 50,0° | 15.1 | 3.2 | 970.3 |
| 52,5° | 14.3 | 3.1 | 973.4 |
| 55,0° | 13.6 | 3.1 | 976.5 |
| 57,5° | 13.0 | 3.0 | 979.5 |
| 60,0° | 12.3 | 2.9 | 982.5 |
| 62,5° | 11.6 | 2.8 | 985.3 |
| 65,0° | 10.9 | 2.7 | 988.0 |
| 67,5° | 9.9 | 2.5 | 990.5 |
| 70,0° | 8.9 | 2.3 | 992.8 |
| 72,5° | 7.7 | 2.0 | 994.8 |
| 75,0° | 6.2 | 1.6 | 996.5 |
| 77,5° | 4.8 | 1.3 | 997.8 |
| 80,0° | 3.6 | 1.0 | 998.7 |
| 82,5° | 2.5 | 0.7 | 999.4 |
| 85,0° | 1.5 | 0.4 | 999.8 |
| 87,5° | 0.6 | 0.2 | 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 | 15.6 | 16.6 | 15.9 | 16.9 | 17.3 | 15.6 | 16.6 | 15.9 | 16.9 | 17.3 |
| | 3H | 16.8 | 17.7 | 17.2 | 18.0 | 18.4 | 16.8 | 17.7 | 17.2 | 18.0 | 18.4 |
| | 4H | 17.3 | 18.1 | 17.7 | 18.5 | 18.9 | 17.3 | 18.1 | 17.7 | 18.5 | 18.9 |
| | 6H | 17.6 | 18.4 | 18.1 | 18.8 | 19.2 | 17.6 | 18.4 | 18.1 | 18.8 | 19.2 |
| | 8H | 17.9 | 18.5 | 18.4 | 18.9 | 19.3 | 17.9 | 18.5 | 18.4 | 18.9 | 19.3 |
| | 12H | 18.0 | 18.5 | 18.4 | 18.9 | 19.3 | 18.0 | 18.5 | 18.4 | 18.9 | 19.3 |
| 4H | 2H | 15.9 | 16.8 | 16.3 | 17.1 | 17.5 | 15.9 | 16.8 | 16.3 | 17.1 | 17.5 |
| | 3H | 17.4 | 18.1 | 17.8 | 18.5 | 18.9 | 17.4 | 18.1 | 17.8 | 18.5 | 18.9 |
| | 4H | 18.0 | 18.6 | 18.5 | 19.0 | 19.5 | 18.0 | 18.6 | 18.5 | 19.0 | 19.5 |
| | 6H | 18.5 | 19.0 | 18.9 | 19.4 | 19.9 | 18.5 | 19.0 | 18.9 | 19.4 | 19.9 |
| | 8H | 18.7 | 19.1 | 19.1 | 19.6 | 20.0 | 18.7 | 19.1 | 19.1 | 19.6 | 20.0 |
| | 12H | 18.8 | 19.1 | 19.3 | 19.6 | 20.1 | 18.8 | 19.1 | 19.3 | 19.6 | 20.1 |
| 8H | 4H | 18.3 | 18.7 | 18.7 | 19.2 | 19.6 | 18.3 | 18.7 | 18.7 | 19.2 | 19.6 |
| | 6H | 18.8 | 19.2 | 19.3 | 19.7 | 20.2 | 18.8 | 19.2 | 19.3 | 19.7 | 20.2 |
| | 8H | 19.0 | 19.3 | 19.5 | 19.8 | 20.4 | 19.0 | 19.3 | 19.5 | 19.8 | 20.4 |
| | 12H | 19.2 | 19.4 | 19.7 | 19.9 | 20.5 | 19.2 | 19.4 | 19.7 | 19.9 | 20.5 |
| 12H | 4H | 18.3 | 18.6 | 18.8 | 19.1 | 19.6 | 18.3 | 18.6 | 18.8 | 19.1 | 19.6 |
| | 6H | 18.9 | 19.1 | 19.4 | 19.6 | 20.2 | 18.9 | 19.1 | 19.4 | 19.6 | 20.2 |
| | 8H | 19.1 | 19.3 | 19.6 | 19.9 | 20.4 | 19.1 | 19.3 | 19.6 | 19.9 | 20.4 |

| | | |
|-----------------|---------------------------------|--------------------------------------|
| 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° | 14041.5 |
| 50,0° | 13030.3 |
| 55,0° | 13151.8 |
| 60,0° | 13645.1 |
| 65,0° | 14306.6 |
| 70,0° | 14433.4 |
| 75,0° | 13288.0 |
| 80,0° | 11498.0 |
| 85,0° | 9547.9 |

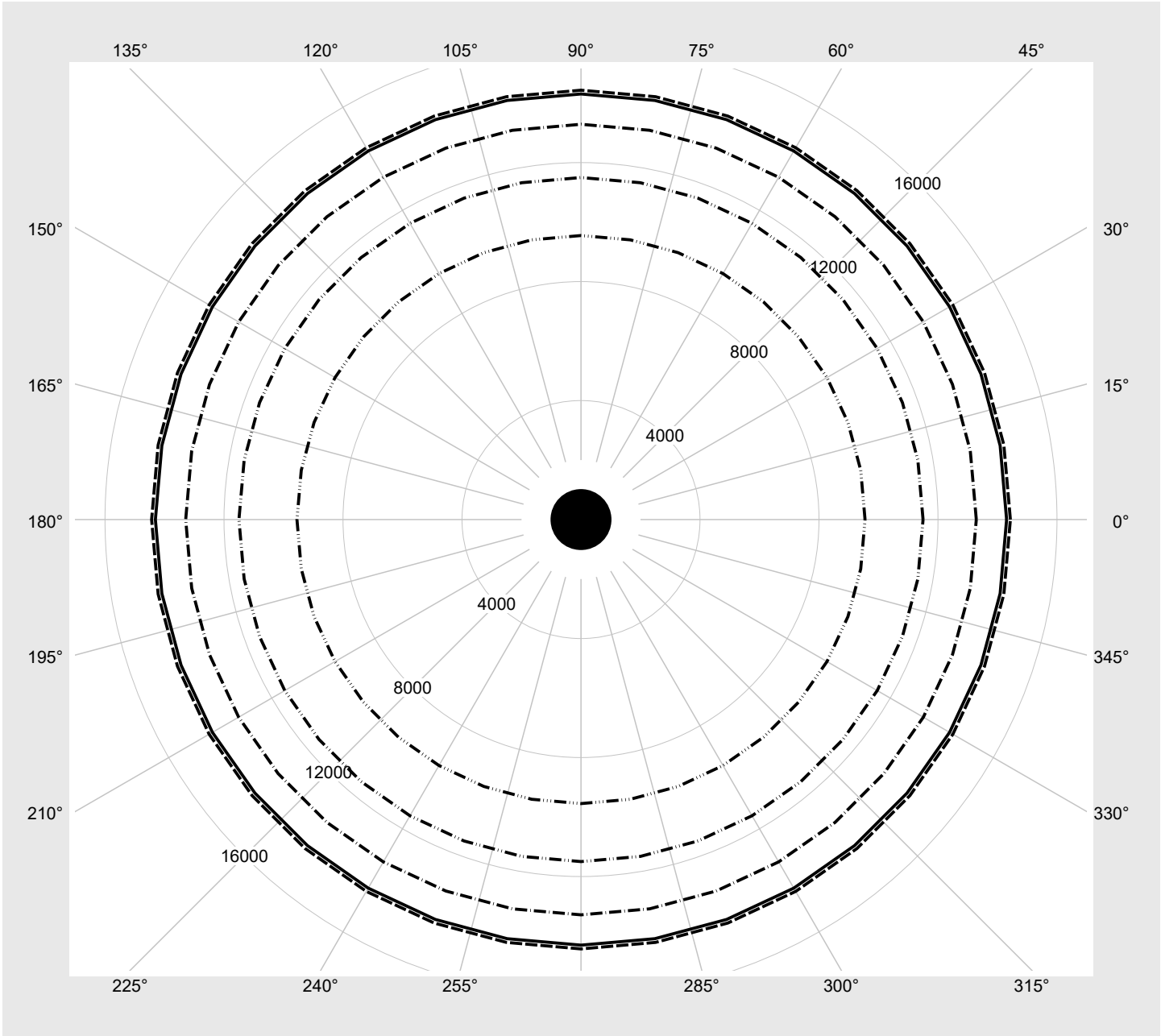
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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

| DIP-Step | Switch Setting | | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | | |
| 11 | ON | OFF | ON | ON | 3930 | 28.1 |
| 10 | ON | OFF | ON | OFF | 3690 | 25.9 |
| 9 | ON | OFF | OFF | ON | 3440 | 23.8 |
| 8 | ON | OFF | OFF | OFF | 3180 | 21.7 |
| 7 | OFF | ON | ON | ON | 2920 | 19.8 |
| 6 | OFF | ON | ON | OFF | 2650 | 17.7 |
| 5 | OFF | ON | OFF | ON | 2380 | 15.7 |
| 4 | OFF | ON | OFF | OFF | 2100 | 13.8 |
| 3 | OFF | OFF | ON | ON | 1810 | 11.7 |
| 2 | OFF | OFF | ON | OFF | 1520 | 9.9 |
| 1 | OFF | OFF | OFF | ON | 1220 | 8.1 |
| 0 | OFF | OFF | OFF | OFF | 910 | 6.2 |