

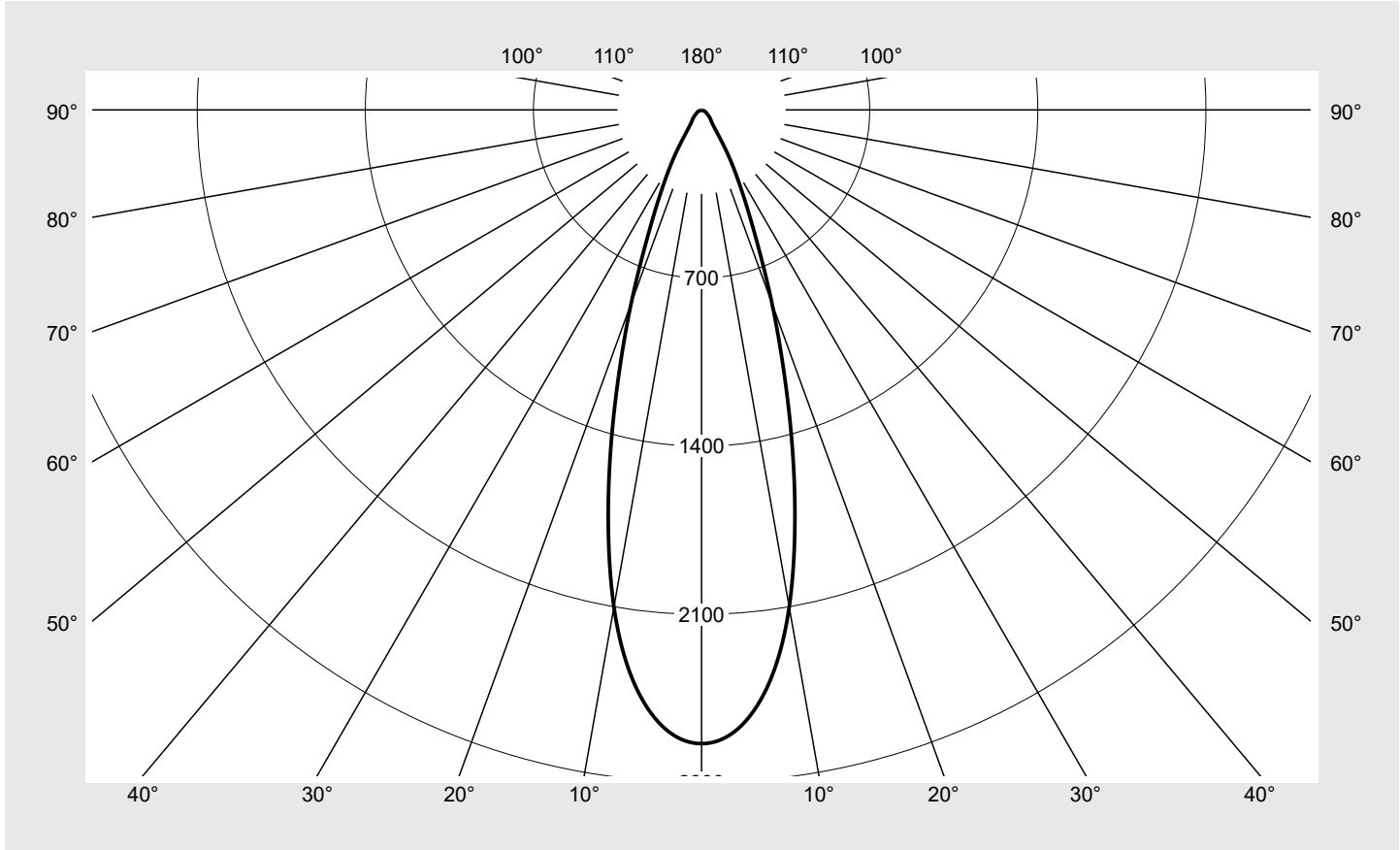


Photometric test report

| | | |
|---|--|---|
| Family Spot 21 Standard | Order number: 51SE63MA2EA2C EAN: 4069025447982 | LP number 59942_9 |
|  | Version housing, white aluminium, reflector, lens PMMA, wide distribution | serial documentation 11.05.2026 |
| | Lamps LED 2700 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=6 Rated values Net luminous flux = 2110 lm Power consumption = 14.8 W Luminous efficacy = 142.6 lm/W |  |

Luminous intensity in cd/klm C180-0 **Imax: 2638 cd/klm**



| Classifications | |
|-----------------|-------------------------------------|
| DIN 5040 | A 8 0 |
| CIE | N1=92 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 | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|-------------------------|----------------|
| γ | Luminous intensity in cd/klm | Luminous flux in lm/klm | |
| 0,0° | 2638.3 | 3.9 | 3.9 |
| 2,5° | 2607.2 | 31.2 | 35.1 |
| 5,0° | 2509.4 | 60.0 | 95.1 |
| 7,5° | 2342.7 | 83.8 | 178.9 |
| 10,0° | 2101.4 | 100.0 | 278.9 |
| 12,5° | 1793.5 | 106.4 | 385.4 |
| 15,0° | 1462.2 | 103.7 | 489.1 |
| 17,5° | 1137.7 | 93.8 | 582.9 |
| 20,0° | 857.0 | 80.4 | 663.2 |
| 22,5° | 616.7 | 64.7 | 727.9 |
| 25,0° | 449.1 | 52.0 | 780.0 |
| 27,5° | 328.3 | 41.6 | 821.5 |
| 30,0° | 236.7 | 32.4 | 854.0 |
| 32,5° | 154.3 | 22.7 | 876.7 |
| 35,0° | 101.7 | 16.0 | 892.7 |
| 37,5° | 76.7 | 12.8 | 905.5 |
| 40,0° | 64.2 | 11.3 | 916.8 |
| 42,5° | 57.3 | 10.6 | 927.4 |
| 45,0° | 51.1 | 9.9 | 937.3 |
| 47,5° | 44.6 | 9.0 | 946.3 |
| 50,0° | 37.9 | 8.0 | 954.3 |
| 52,5° | 31.6 | 6.9 | 961.2 |
| 55,0° | 26.8 | 6.0 | 967.2 |
| 57,5° | 24.1 | 5.6 | 972.7 |
| 60,0° | 21.5 | 5.1 | 977.8 |
| 62,5° | 18.8 | 4.6 | 982.4 |
| 65,0° | 15.7 | 3.9 | 986.3 |
| 67,5° | 12.6 | 3.2 | 989.5 |
| 70,0° | 10.1 | 2.6 | 992.1 |
| 72,5° | 8.3 | 2.2 | 994.3 |
| 75,0° | 6.8 | 1.8 | 996.1 |
| 77,5° | 5.4 | 1.5 | 997.5 |
| 80,0° | 4.1 | 1.1 | 998.7 |
| 82,5° | 2.8 | 0.8 | 999.4 |
| 85,0° | 1.6 | 0.4 | 999.9 |
| 87,5° | 0.5 | 0.1 | 1000.0 |
| 90,0° | 0.0 | 0.0 | 1000.0 |

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| UGR-Table | | Standard room | | | | | | | | | |
|------------------------------|-----|---------------------|------|------|------|------|--------------------|------|------|------|------|
| 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 | 20.0 | 21.1 | 20.4 | 21.4 | 21.7 | 20.0 | 21.1 | 20.4 | 21.4 | 21.7 |
| | 3H | 20.6 | 21.6 | 21.0 | 21.9 | 22.3 | 20.6 | 21.6 | 21.0 | 21.9 | 22.3 |
| | 4H | 20.9 | 21.7 | 21.3 | 22.1 | 22.5 | 20.9 | 21.7 | 21.3 | 22.1 | 22.5 |
| | 6H | 21.1 | 21.8 | 21.5 | 22.2 | 22.6 | 21.1 | 21.8 | 21.5 | 22.2 | 22.6 |
| | 8H | 21.2 | 21.8 | 21.7 | 22.2 | 22.6 | 21.2 | 21.8 | 21.7 | 22.2 | 22.6 |
| | 12H | 21.2 | 21.8 | 21.7 | 22.2 | 22.6 | 21.2 | 21.8 | 21.7 | 22.2 | 22.6 |
| 4H | 2H | 20.3 | 21.1 | 20.7 | 21.5 | 21.9 | 20.3 | 21.1 | 20.7 | 21.5 | 21.9 |
| | 3H | 21.0 | 21.7 | 21.5 | 22.1 | 22.6 | 21.0 | 21.7 | 21.5 | 22.1 | 22.6 |
| | 4H | 21.3 | 22.0 | 21.8 | 22.4 | 22.8 | 21.3 | 22.0 | 21.8 | 22.4 | 22.8 |
| | 6H | 21.6 | 22.1 | 22.1 | 22.6 | 23.0 | 21.6 | 22.1 | 22.1 | 22.6 | 23.0 |
| | 8H | 21.7 | 22.2 | 22.2 | 22.6 | 23.1 | 21.7 | 22.2 | 22.2 | 22.6 | 23.1 |
| | 12H | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 |
| 8H | 4H | 21.4 | 21.9 | 21.9 | 22.3 | 22.8 | 21.4 | 21.9 | 21.9 | 22.3 | 22.8 |
| | 6H | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 |
| | 8H | 21.9 | 22.2 | 22.4 | 22.7 | 23.2 | 21.9 | 22.2 | 22.4 | 22.7 | 23.2 |
| | 12H | 22.0 | 22.2 | 22.5 | 22.7 | 23.3 | 22.0 | 22.2 | 22.5 | 22.7 | 23.3 |
| 12H | 4H | 21.4 | 21.8 | 21.9 | 22.3 | 22.8 | 21.4 | 21.8 | 21.9 | 22.3 | 22.8 |
| | 6H | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 |
| | 8H | 21.9 | 22.2 | 22.5 | 22.7 | 23.2 | 21.9 | 22.2 | 22.5 | 22.7 | 23.2 |

| | | |
|------------------------|---------------------------------|--------------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: D = 62 |
|------------------------|---------------------------------|--------------------------------------|

| C-planes | 0° |
|----------|--------------------------------|
| γ | Luminance in cd/m ² |
| 45,0° | 50497.4 |
| 50,0° | 41252.5 |
| 55,0° | 32655.2 |
| 60,0° | 30024.3 |
| 65,0° | 25895.5 |
| 70,0° | 20716.2 |
| 75,0° | 18429.6 |
| 80,0° | 16561.8 |
| 85,0° | 12878.3 |

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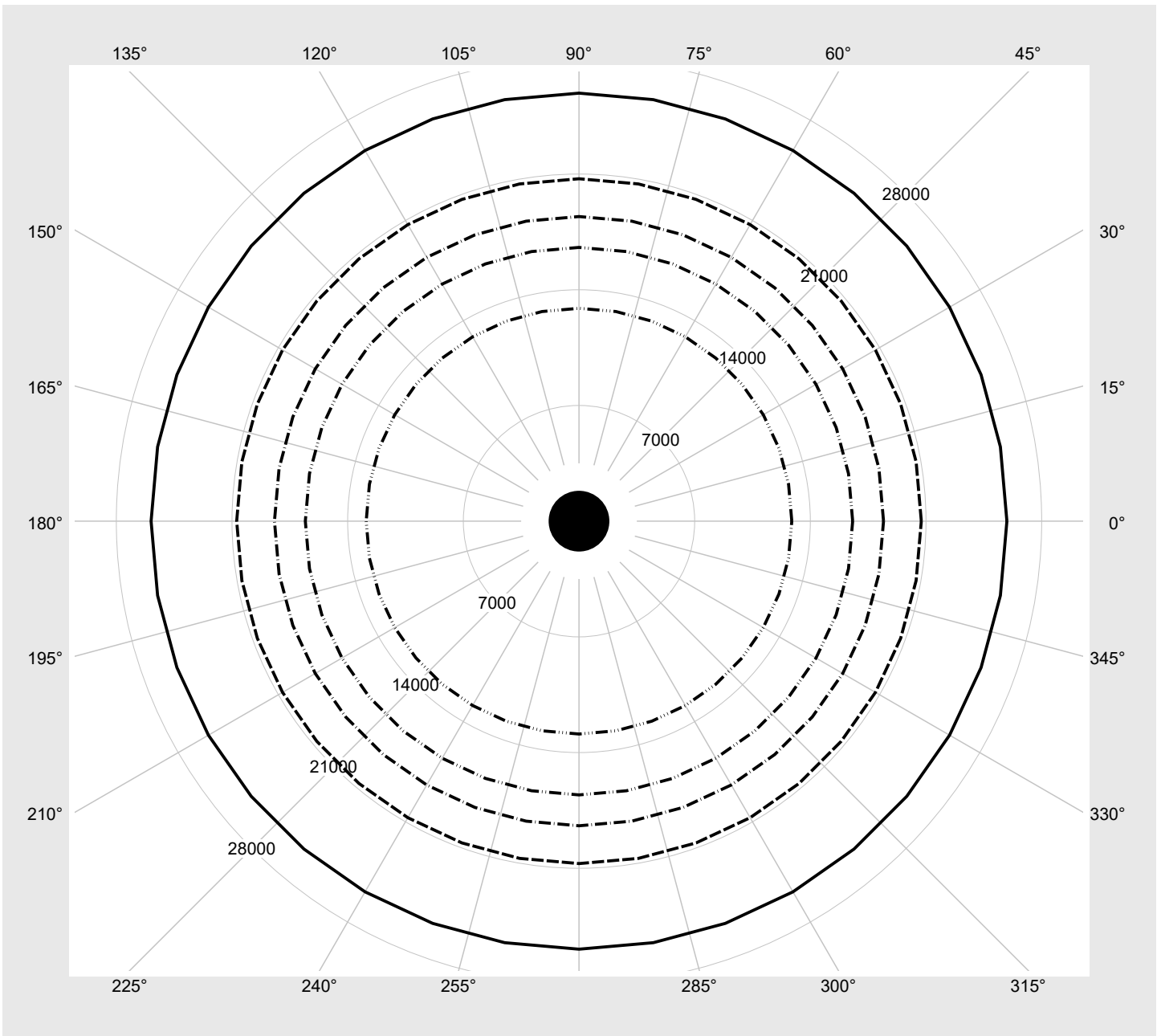
Family
Spot 21 Standard

Order number: 51SE63MA2EA2C
EAN: 4069025447982

LP number
59942_9

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 | sITeco |
|-------------------------|---------------------------------|---------------|

| DIP-Step | Switch Setting | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | | |
| 0 | OFF | OFF | OFF | 3480 | 26.5 |
| 1 | ON | OFF | OFF | 3260 | 24.4 |
| 2 | OFF | ON | OFF | 3040 | 22.4 |
| 3 | ON | ON | OFF | 2820 | 20.4 |
| 4 | OFF | OFF | ON | 2590 | 18.5 |
| 5 | ON | OFF | ON | 2350 | 16.5 |
| 6 | OFF | ON | ON | 2110 | 14.8 |
| 7 | ON | ON | ON | 1860 | 12.8 |