
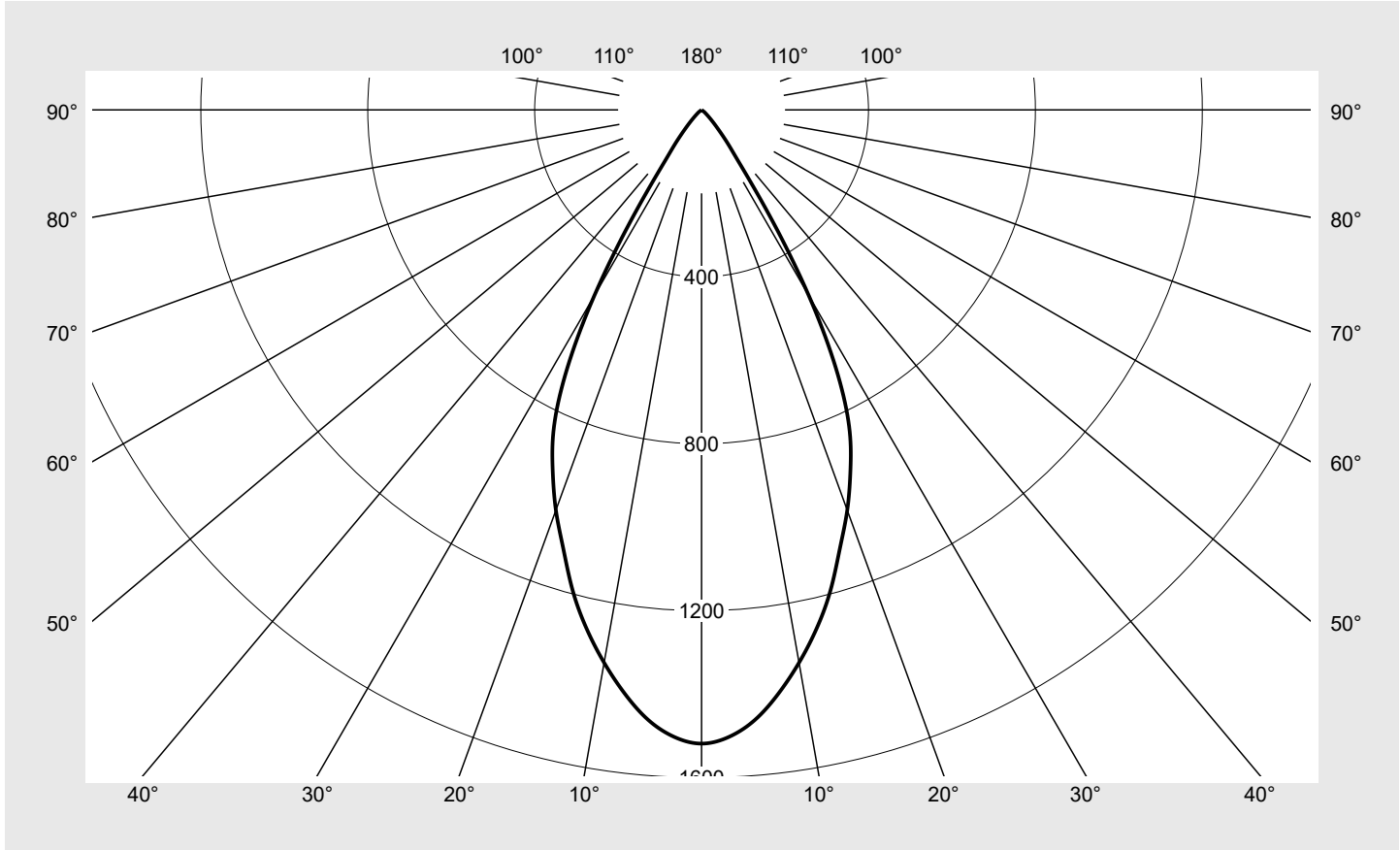


# Photometric test report

|   |   |  |
|---|---|--|
| <b>Family</b><br><b>Spot 21 Standard</b>  | <b>Order number: 51SE34MB11A2C</b><br><b>EAN: 4069025447623</b>                             | <b>LP number</b><br><b>59934_27</b>              |
|  | <b>Version</b> housing, black, reflector, cover glass, transparent, wide distribution       | <b>serial documentation</b><br><b>11.05.2026</b> |
|   | <b>Lamps</b> LED 2700 K   CRI ≥ 90  |  |
| <b>Controlgear</b> ECG Multilumen   |   |  |
| <b>Setting</b> factory setting: DIP-Step=4  |   |  |
| <b>Rated values</b>   | Net luminous flux = 2580 lm<br>Power consumption = 18.5 W<br>Luminous efficacy = 139.5 lm/W |  |



**Luminous intensity in cd/klm** C180-0 **Imax: 1518 cd/klm**



| Classifications |                                      |
|-----------------|--------------------------------------|
| DIN 5040        | A 8 0                                |
| CIE             | N1=98 N2=100 N3=100<br>N4=100 N5=100 |

| Luminaire light output ratios |        |
|-------------------------------|--------|
| $\eta_{LB}$                   | 100.0% |
| $\phi_u$                      | 100.0% |
| $\phi_o$                      | 0.0%   |

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

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|-----------------------------------|---|------------------------------|



|   |                                   |
|---|-----------------------------------|
| <b>Table of values for luminous intensities</b> | <b>Maximum luminous intensity</b> |
|---|-----------------------------------|

| C-planes | 0°                           | Phi-zone | Total Phi-zone          |
|----------|------------------------------|----------|-------------------------|
| $\gamma$ | Luminous intensity in cd/klm |          | Luminous flux in lm/klm |
| 0,0°     | 1518.5                       | 2.3      | 2.3                     |
| 2,5°     | 1503.9                       | 18.0     | 20.3                    |
| 5,0°     | 1467.3                       | 35.1     | 55.3                    |
| 7,5°     | 1410.8                       | 50.5     | 105.8                   |
| 10,0°    | 1345.0                       | 64.0     | 169.8                   |
| 12,5°    | 1273.2                       | 75.5     | 245.4                   |
| 15,0°    | 1192.8                       | 84.6     | 330.0                   |
| 17,5°    | 1102.1                       | 90.9     | 420.8                   |
| 20,0°    | 1020.8                       | 95.7     | 516.6                   |
| 22,5°    | 932.5                        | 97.8     | 614.4                   |
| 25,0°    | 836.7                        | 96.9     | 711.3                   |
| 27,5°    | 696.4                        | 88.2     | 799.5                   |
| 30,0°    | 514.1                        | 70.5     | 869.9                   |
| 32,5°    | 318.7                        | 46.9     | 916.9                   |
| 35,0°    | 172.5                        | 27.1     | 944.0                   |
| 37,5°    | 109.8                        | 18.3     | 962.3                   |
| 40,0°    | 70.5                         | 12.4     | 974.8                   |
| 42,5°    | 44.6                         | 8.3      | 983.0                   |
| 45,0°    | 28.1                         | 5.4      | 988.5                   |
| 47,5°    | 17.7                         | 3.6      | 992.0                   |
| 50,0°    | 11.6                         | 2.4      | 994.5                   |
| 52,5°    | 7.9                          | 1.7      | 996.2                   |
| 55,0°    | 5.3                          | 1.2      | 997.4                   |
| 57,5°    | 3.6                          | 0.8      | 998.2                   |
| 60,0°    | 2.5                          | 0.6      | 998.8                   |
| 62,5°    | 1.8                          | 0.4      | 999.3                   |
| 65,0°    | 1.2                          | 0.3      | 999.6                   |
| 67,5°    | 0.8                          | 0.2      | 999.8                   |
| 70,0°    | 0.5                          | 0.1      | 999.9                   |
| 72,5°    | 0.3                          | 0.1      | 1000.0                  |
| 75,0°    | 0.1                          | 0.0      | 1000.0                  |
| 77,5°    | 0.0                          | 0.0      | 1000.0                  |
| 80,0°    | 0.0                          | 0.0      | 1000.0                  |
| 82,5°    | 0.0                          | 0.0      | 1000.0                  |
| 85,0°    | 0.0                          | 0.0      | 1000.0                  |
| 87,5°    | 0.0                          | 0.0      | 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                  | 18.7 | 19.8 | 19.1 | 20.1 | 20.4               | 18.7 | 19.8 | 19.1 | 20.1 | 20.4 |
|                              | 3H                  | 18.5 | 19.5 | 18.9 | 19.8 | 20.2               | 18.5 | 19.5 | 18.9 | 19.8 | 20.2 |
|                              | 4H                  | 18.5 | 19.3 | 18.9 | 19.7 | 20.1               | 18.5 | 19.3 | 18.9 | 19.7 | 20.1 |
|                              | 6H                  | 18.4 | 19.1 | 18.8 | 19.5 | 19.9               | 18.4 | 19.1 | 18.8 | 19.5 | 19.9 |
|                              | 8H                  | 18.5 | 19.1 | 18.9 | 19.5 | 19.9               | 18.5 | 19.1 | 18.9 | 19.5 | 19.9 |
|                              | 12H                 | 18.4 | 19.0 | 18.9 | 19.4 | 19.8               | 18.4 | 19.0 | 18.9 | 19.4 | 19.8 |
| 4H                           | 2H                  | 18.5 | 19.3 | 18.9 | 19.7 | 20.1               | 18.5 | 19.3 | 18.9 | 19.7 | 20.1 |
|                              | 3H                  | 18.3 | 19.0 | 18.7 | 19.4 | 19.8               | 18.3 | 19.0 | 18.7 | 19.4 | 19.8 |
|                              | 4H                  | 18.2 | 18.8 | 18.6 | 19.2 | 19.6               | 18.2 | 18.8 | 18.6 | 19.2 | 19.6 |
|                              | 6H                  | 18.0 | 18.6 | 18.5 | 19.0 | 19.5               | 18.0 | 18.6 | 18.5 | 19.0 | 19.5 |
|                              | 8H                  | 18.0 | 18.5 | 18.5 | 18.9 | 19.4               | 18.0 | 18.5 | 18.5 | 18.9 | 19.4 |
|                              | 12H                 | 18.0 | 18.4 | 18.5 | 18.8 | 19.3               | 18.0 | 18.4 | 18.5 | 18.8 | 19.3 |
| 8H                           | 4H                  | 18.0 | 18.5 | 18.5 | 18.9 | 19.4               | 18.0 | 18.5 | 18.5 | 18.9 | 19.4 |
|                              | 6H                  | 17.9 | 18.3 | 18.4 | 18.7 | 19.3               | 17.9 | 18.3 | 18.4 | 18.7 | 19.3 |
|                              | 8H                  | 17.8 | 18.2 | 18.3 | 18.6 | 19.2               | 17.8 | 18.2 | 18.3 | 18.6 | 19.2 |
|                              | 12H                 | 17.8 | 18.0 | 18.3 | 18.5 | 19.1               | 17.8 | 18.0 | 18.3 | 18.5 | 19.1 |
| 12H                          | 4H                  | 18.0 | 18.4 | 18.5 | 18.8 | 19.3               | 18.0 | 18.4 | 18.5 | 18.8 | 19.3 |
|                              | 6H                  | 17.9 | 18.1 | 18.4 | 18.6 | 19.2               | 17.9 | 18.1 | 18.4 | 18.6 | 19.2 |
|                              | 8H                  | 17.8 | 18.0 | 18.3 | 18.5 | 19.1               | 17.8 | 18.0 | 18.3 | 18.5 | 19.1 |

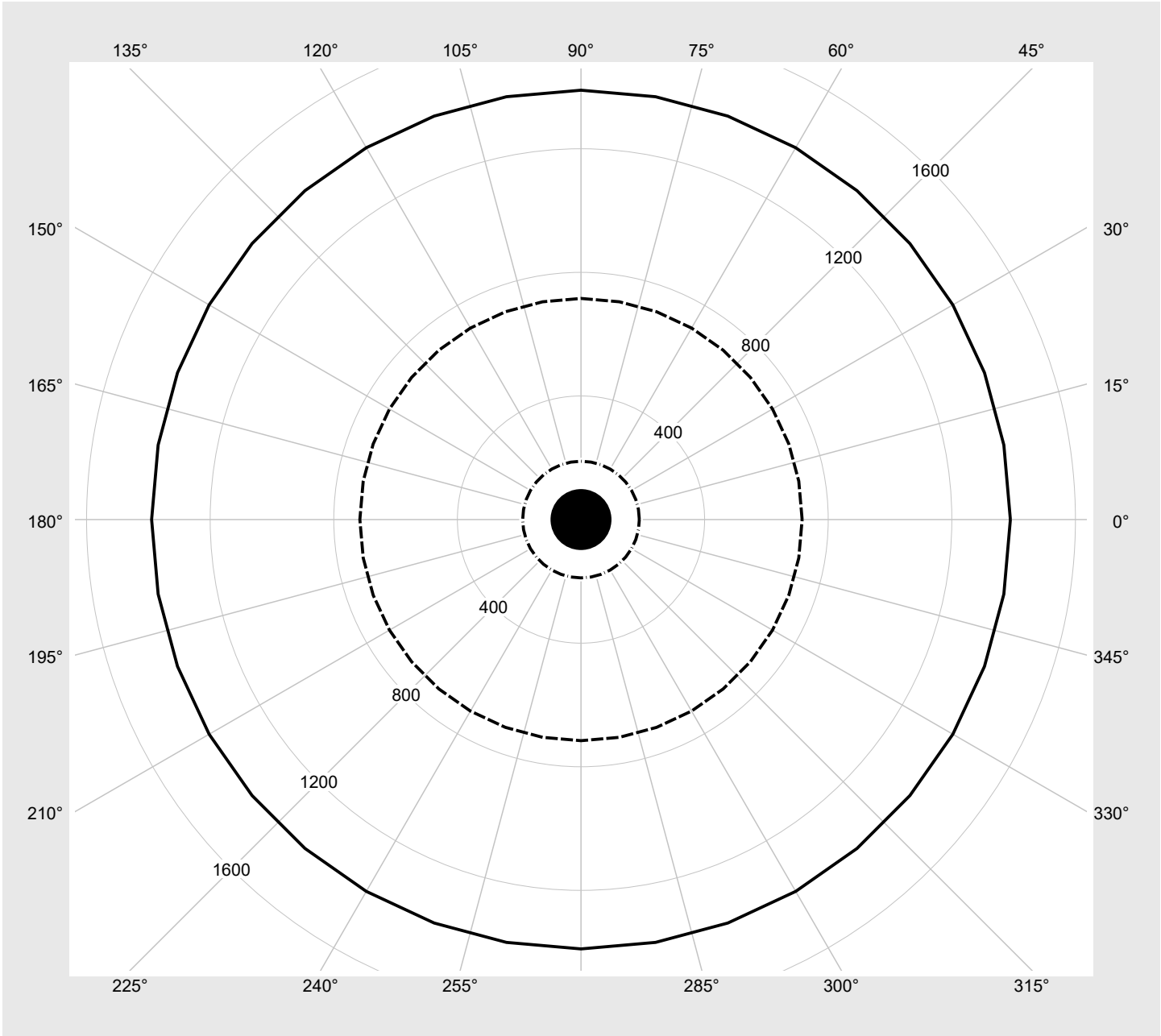
|                 |                                 |                                      |
|-----------------|---------------------------------|--------------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: D = 82 |
|-----------------|---------------------------------|--------------------------------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

|          |                                |
|----------|--------------------------------|
| C-planes | 0°                             |
| $\gamma$ | Luminance in cd/m <sup>2</sup> |
| 45,0°    | 19384.7                        |
| 50,0°    | 8834.7                         |
| 55,0°    | 4523.6                         |
| 60,0°    | 2447.6                         |
| 65,0°    | 1389.5                         |
| 70,0°    | 715.6                          |
| 75,0°    | 188.8                          |
| 80,0°    | 0.0                            |
| 85,0°    | 0.0                            |

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|-----------------------------------|---|------------------------------|

**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



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|-----------------------------------|---|------------------------------|

|                         |                                 |               |
|-------------------------|---------------------------------|---------------|
| <b>Multilumen Table</b> | environmental temperature: 25°C | <b>sITeco</b> |
|-------------------------|---------------------------------|---------------|

| 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               | 24.5                  |
| 2        | OFF            | ON  | OFF | 3040               | 22.5                  |
| 3        | ON             | ON  | OFF | 2810               | 20.5                  |
| 4        | OFF            | OFF | ON  | 2580               | 18.5                  |
| 5        | ON             | OFF | ON  | 2350               | 16.6                  |
| 6        | OFF            | ON  | ON  | 2100               | 14.8                  |
| 7        | ON             | ON  | ON  | 1860               | 12.9                  |