

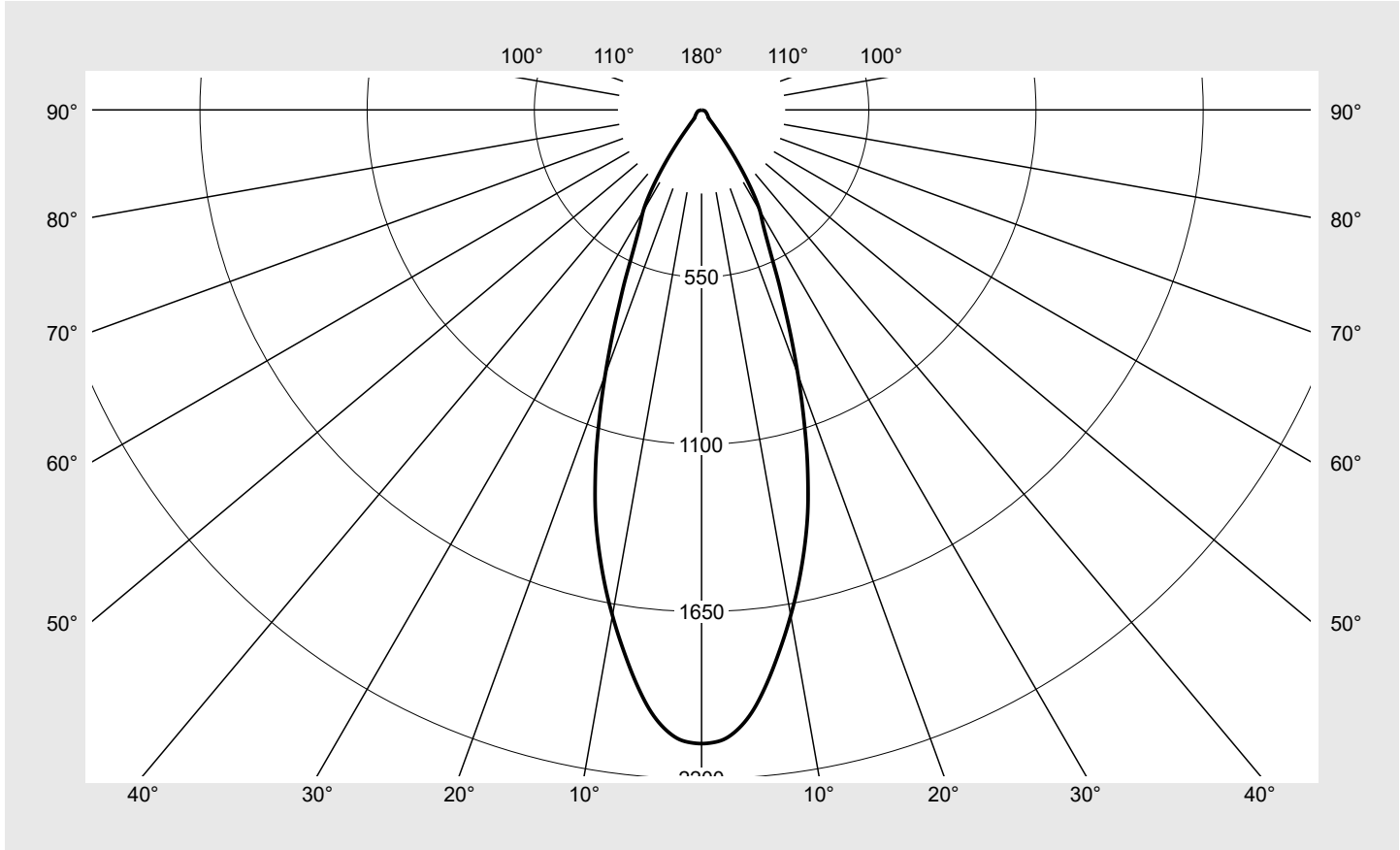


# Photometric test report

|   |   |                                     |   |              |                       |                    |                |                |                             |                     |   |   |
|---|---|-------------------------------------|---|--------------|-----------------------|--------------------|----------------|----------------|-----------------------------|---------------------|---|---|
| <b>Family</b><br><b>Spot 21 Modario®</b>  | <b>Order number: 51SM14MB11B2C</b><br><b>EAN: 4069025531537</b>   | <b>LP number</b><br><b>59886_13</b> |   |              |                       |                    |                |                |                             |                     |   |   |
|  | <table border="0"> <tr> <td><b>Version</b></td> <td>reflector, cover, polycarbonate, rotationally symmetrical wide distribution</td> </tr> <tr> <td><b>Lamps</b></td> <td>LED 3000 K   CRI ≥ 90</td> </tr> <tr> <td><b>Controlgear</b></td> <td>ECG Multilumen</td> </tr> <tr> <td><b>Setting</b></td> <td>factory setting: DIP-Step=9</td> </tr> <tr> <td><b>Rated values</b></td> <td>                     Net luminous flux = 3910 lm<br/>                     Power consumption = 28.7 W<br/>                     Luminous efficacy = 136.2 lm/W                 </td> </tr> </table> | <b>Version</b>                      | reflector, cover, polycarbonate, rotationally symmetrical wide distribution | <b>Lamps</b> | LED 3000 K   CRI ≥ 90 | <b>Controlgear</b> | ECG Multilumen | <b>Setting</b> | factory setting: DIP-Step=9 | <b>Rated values</b> | Net luminous flux = 3910 lm<br>Power consumption = 28.7 W<br>Luminous efficacy = 136.2 lm/W | <b>serial documentation</b><br><b>21.05.2026</b><br><br> |
| <b>Version</b>  | reflector, cover, polycarbonate, rotationally symmetrical wide distribution   |                                     |   |              |                       |                    |                |                |                             |                     |   |   |
| <b>Lamps</b>  | LED 3000 K   CRI ≥ 90   |                                     |   |              |                       |                    |                |                |                             |                     |   |   |
| <b>Controlgear</b>  | ECG Multilumen  |                                     |   |              |                       |                    |                |                |                             |                     |   |   |
| <b>Setting</b>  | factory setting: DIP-Step=9   |                                     |   |              |                       |                    |                |                |                             |                     |   |   |
| <b>Rated values</b>   | Net luminous flux = 3910 lm<br>Power consumption = 28.7 W<br>Luminous efficacy = 136.2 lm/W   |                                     |   |              |                       |                    |                |                |                             |                     |   |   |

**Luminous intensity in cd/klm** C180-0 **Imax: 2084 cd/klm**



| Classifications |                                    |
|-----------------|------------------------------------|
| DIN 5040        | A 7 0                              |
| CIE             | N1=93 N2=97 N3=99<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

## Photometric test report

|   |   |                                   |
|---|---|-----------------------------------|
| Family<br><b>Spot 21 Modario®</b>               | Order number: <b>51SM14MB11B2C</b><br>EAN: <b>4069025531537</b> | LP number<br><b>59886_13</b>      |
| <b>Table of values for luminous intensities</b> |   | <b>Maximum luminous intensity</b> |
|   |   | <b>siteco</b>                     |

| C-planes | 0°   | Phi-zone | Total Phi-zone |
|----------|--|----------|----------------|
| $\gamma$ | Luminous intensity in cd/klm Luminous flux in lm/klm |          |                |
| 0°       | 2084.2   | 0.5      | 0.5            |
| 1°       | 2081.2   | 4.0      | 4.5            |
| 2°       | 2072.1   | 7.9      | 12.4           |
| 3°       | 2050.8   | 11.8     | 24.2           |
| 4°       | 2019.3   | 15.4     | 39.6           |
| 5°       | 1977.7   | 18.9     | 58.5           |
| 6°       | 1925.9   | 22.1     | 80.6           |
| 7°       | 1869.1   | 25.0     | 105.6          |
| 8°       | 1809.3   | 27.6     | 133.2          |
| 9°       | 1749.4   | 30.0     | 163.2          |
| 10°      | 1688.5   | 32.2     | 195.4          |
| 11°      | 1626.6   | 34.0     | 229.4          |
| 12°      | 1561.7   | 35.6     | 265.0          |
| 13°      | 1494.7   | 36.9     | 301.9          |
| 14°      | 1425.7   | 37.8     | 339.7          |
| 15°      | 1351.6   | 38.4     | 378.1          |
| 16°      | 1269.4   | 38.4     | 416.4          |
| 17°      | 1186.2   | 38.0     | 454.5          |
| 18°      | 1097.9   | 37.2     | 491.7          |
| 19°      | 1011.8   | 36.1     | 527.8          |
| 20°      | 926.4  | 34.7     | 562.5          |
| 21°      | 843.7  | 33.2     | 595.7          |
| 22°      | 765.0  | 31.4     | 627.1          |
| 23°      | 690.3  | 29.6     | 656.7          |
| 24°      | 626.6  | 27.9     | 684.6          |
| 25°      | 563.1  | 26.1     | 710.7          |
| 26°      | 510.4  | 24.5     | 735.3          |
| 27°      | 467.8  | 23.3     | 758.6          |
| 28°      | 433.7  | 22.3     | 780.9          |
| 29°      | 407.7  | 21.7     | 802.6          |
| 30°      | 384.1  | 21.1     | 823.6          |
| 31°      | 352.2  | 19.9     | 843.5          |
| 32°      | 313.7  | 18.2     | 861.7          |
| 33°      | 272.0  | 16.2     | 878.0          |
| 34°      | 229.5  | 14.1     | 892.1          |
| 35°      | 187.4  | 11.8     | 903.9          |
| 36°      | 146.9  | 9.5      | 913.3          |
| 37°      | 109.3  | 7.2      | 920.5          |
| 38°      | 76.0   | 5.1      | 925.7          |
| 39°      | 57.5   | 4.0      | 929.6          |
| 40°      | 39.2   | 2.8      | 932.4          |
| 41°      | 36.2   | 2.6      | 935.0          |
| 42°      | 33.7   | 2.5      | 937.5          |
| 43°      | 32.3   | 2.4      | 939.9          |
| 44°      | 31.1   | 2.4      | 942.3          |
| 45°      | 29.8   | 2.3      | 944.6          |
| 46°      | 28.8   | 2.3      | 946.8          |

| C-planes | 0°   | Phi-zone | Total Phi-zone |
|----------|--|----------|----------------|
| $\gamma$ | Luminous intensity in cd/klm Luminous flux in lm/klm |          |                |
| 47°      | 27.8   | 2.2      | 949.1          |
| 48°      | 26.8   | 2.2      | 951.3          |
| 49°      | 25.9   | 2.1      | 953.4          |
| 50°      | 24.9   | 2.1      | 955.5          |
| 51°      | 24.0   | 2.0      | 957.5          |
| 52°      | 23.1   | 2.0      | 959.5          |
| 53°      | 22.3   | 2.0      | 961.5          |
| 54°      | 21.5   | 1.9      | 963.4          |
| 55°      | 20.8   | 1.9      | 965.3          |
| 56°      | 20.0   | 1.8      | 967.1          |
| 57°      | 19.4   | 1.8      | 968.9          |
| 58°      | 18.7   | 1.7      | 970.6          |
| 59°      | 18.1   | 1.7      | 972.3          |
| 60°      | 17.5   | 1.7      | 974.0          |
| 61°      | 17.0   | 1.6      | 975.6          |
| 62°      | 16.4   | 1.6      | 977.2          |
| 63°      | 15.9   | 1.6      | 978.8          |
| 64°      | 15.4   | 1.5      | 980.3          |
| 65°      | 14.9   | 1.5      | 981.8          |
| 66°      | 14.4   | 1.4      | 983.2          |
| 67°      | 13.9   | 1.4      | 984.6          |
| 68°      | 13.4   | 1.4      | 986.0          |
| 69°      | 12.9   | 1.3      | 987.3          |
| 70°      | 12.4   | 1.3      | 988.6          |
| 71°      | 11.9   | 1.2      | 989.8          |
| 72°      | 11.4   | 1.2      | 991.0          |
| 73°      | 10.9   | 1.1      | 992.1          |
| 74°      | 10.4   | 1.1      | 993.2          |
| 75°      | 9.7  | 1.0      | 994.3          |
| 76°      | 9.0  | 1.0      | 995.2          |
| 77°      | 7.5  | 0.8      | 996.0          |
| 78°      | 6.3  | 0.7      | 996.7          |
| 79°      | 5.7  | 0.6      | 997.3          |
| 80°      | 5.0  | 0.5      | 997.9          |
| 81°      | 4.4  | 0.5      | 998.3          |
| 82°      | 3.8  | 0.4      | 998.7          |
| 83°      | 3.2  | 0.3      | 999.1          |
| 84°      | 2.6  | 0.3      | 999.4          |
| 85°      | 2.1  | 0.2      | 999.6          |
| 86°      | 1.6  | 0.2      | 999.8          |
| 87°      | 1.1  | 0.1      | 999.9          |
| 88°      | 0.7  | 0.1      | 1000.0         |
| 89°      | 0.2  | 0.0      | 1000.0         |
| 90°      | 0.1  | 0.0      | 1000.0         |

## Photometric test report

|                                   |   |                              |
|-----------------------------------|---|------------------------------|
| <b>Family</b><br>Spot 21 Modario® | <b>Order number: 51SM14MB11B2C</b><br><b>EAN: 4069025531537</b> | <b>LP number</b><br>59886_13 |
|-----------------------------------|---|------------------------------|

|                  |                      |               |
|------------------|----------------------|---------------|
| <b>UGR-Table</b> | <b>Standard room</b> | <b>siteco</b> |
|------------------|----------------------|---------------|

|                              |                     |      |      |      |      |                    |      |      |      |      |      |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| 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                  | 20.5 | 21.6 | 20.8 | 21.9 | 22.2               | 20.5 | 21.6 | 20.8 | 21.9 | 22.2 |
|                              | 3H                  | 21.2 | 22.1 | 21.5 | 22.5 | 22.8               | 21.2 | 22.1 | 21.5 | 22.5 | 22.8 |
|                              | 4H                  | 21.6 | 22.5 | 22.0 | 22.8 | 23.2               | 21.6 | 22.5 | 22.0 | 22.8 | 23.2 |
|                              | 6H                  | 21.8 | 22.6 | 22.2 | 23.0 | 23.4               | 21.8 | 22.6 | 22.2 | 23.0 | 23.4 |
|                              | 8H                  | 22.0 | 22.6 | 22.5 | 23.0 | 23.4               | 22.0 | 22.6 | 22.5 | 23.0 | 23.4 |
| 12H                          | 22.1                | 22.6 | 22.5 | 23.0 | 23.4 | 22.1               | 22.6 | 22.5 | 23.0 | 23.4 |      |
| 4H                           | 2H                  | 20.6 | 21.5 | 21.0 | 21.8 | 22.2               | 20.6 | 21.5 | 21.0 | 21.8 | 22.2 |
|                              | 3H                  | 21.5 | 22.2 | 21.9 | 22.6 | 23.1               | 21.5 | 22.2 | 21.9 | 22.6 | 23.1 |
|                              | 4H                  | 22.1 | 22.7 | 22.5 | 23.1 | 23.6               | 22.1 | 22.7 | 22.5 | 23.1 | 23.6 |
|                              | 6H                  | 22.4 | 23.0 | 22.9 | 23.4 | 23.9               | 22.4 | 23.0 | 22.9 | 23.4 | 23.9 |
|                              | 8H                  | 22.6 | 23.0 | 23.0 | 23.5 | 24.0               | 22.6 | 23.0 | 23.0 | 23.5 | 24.0 |
| 12H                          | 22.7                | 23.0 | 23.1 | 23.5 | 24.0 | 22.7               | 23.0 | 23.1 | 23.5 | 24.0 |      |
| 8H                           | 4H                  | 22.3 | 22.7 | 22.8 | 23.2 | 23.7               | 22.3 | 22.7 | 22.8 | 23.2 | 23.7 |
|                              | 6H                  | 22.7 | 23.1 | 23.2 | 23.6 | 24.1               | 22.7 | 23.1 | 23.2 | 23.6 | 24.1 |
|                              | 8H                  | 22.8 | 23.2 | 23.4 | 23.7 | 24.2               | 22.8 | 23.2 | 23.4 | 23.7 | 24.2 |
|                              | 12H                 | 23.0 | 23.2 | 23.5 | 23.7 | 24.3               | 23.0 | 23.2 | 23.5 | 23.7 | 24.3 |
| 12H                          | 4H                  | 22.3 | 22.7 | 22.8 | 23.1 | 23.6               | 22.3 | 22.7 | 22.8 | 23.1 | 23.6 |
|                              | 6H                  | 22.7 | 23.0 | 23.2 | 23.5 | 24.1               | 22.7 | 23.0 | 23.2 | 23.5 | 24.1 |
|                              | 8H                  | 22.9 | 23.2 | 23.4 | 23.7 | 24.2               | 22.9 | 23.2 | 23.4 | 23.7 | 24.2 |

|                        |   |   |
|------------------------|---|---|
| <b>Luminance table</b> | <b>Max. for <math>\gamma \geq 65^\circ</math></b> | <b>Photometric dimensions in mm: D = 85</b> |
|------------------------|---|---|

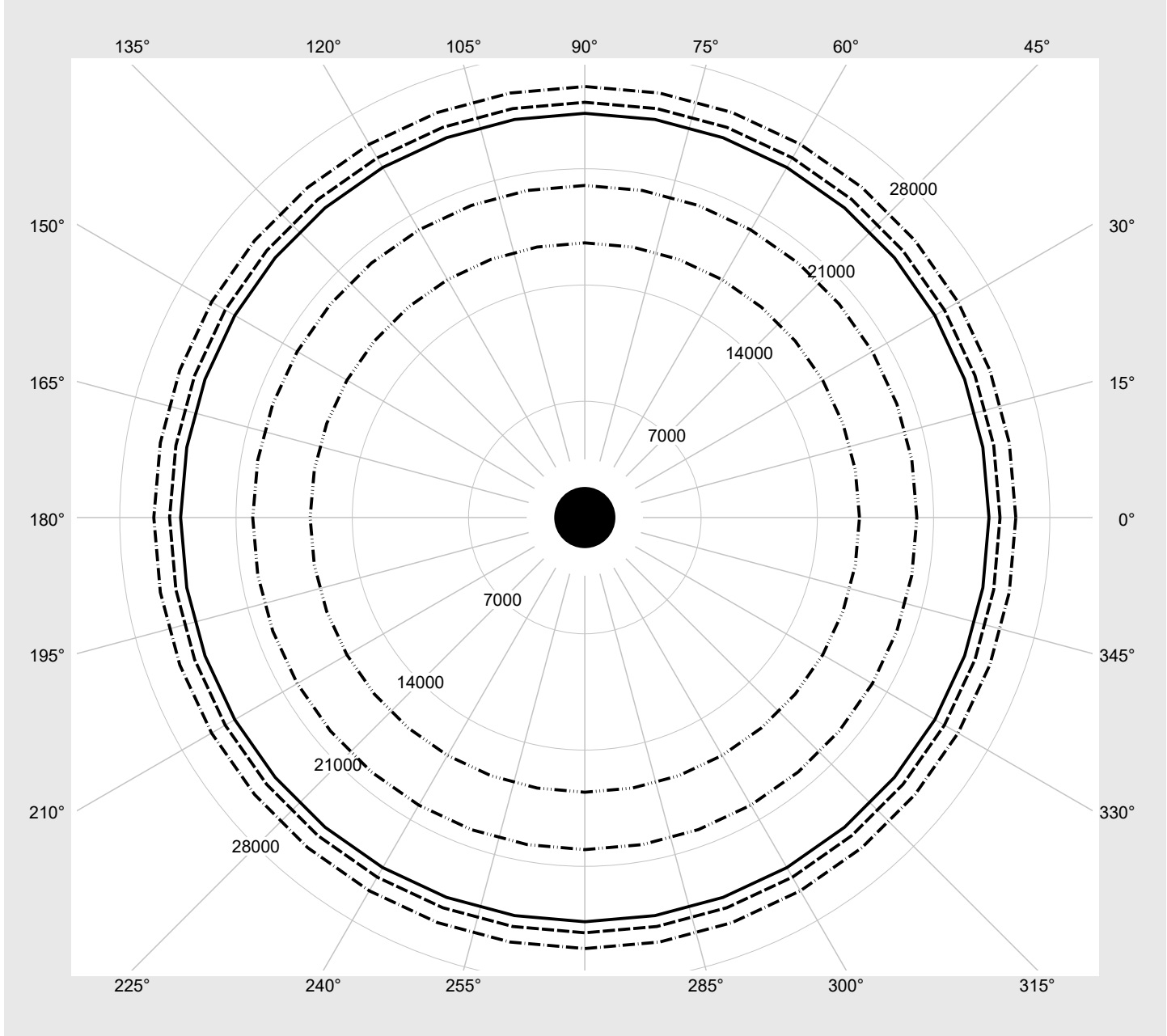
|                 |                                      |
|-----------------|--------------------------------------|
| <b>C-planes</b> | <b>0°</b>                            |
| $\gamma$        | <b>Luminance in cd/m<sup>2</sup></b> |
| 45°             | 29041.8                              |
| 50°             | 26660.9                              |
| 55°             | 24976.6                              |
| 60°             | 24108.4                              |
| 65°             | 24337.4                              |
| 70°             | 25001.7                              |
| 75°             | 25951.8                              |
| 80°             | 19995.1                              |
| 85°             | 16539.2                              |

# Photometric test report

|  |   |                                     |
|--|---|-------------------------------------|
| <b>Family</b><br><b>Spot 21 Modario®</b> | <b>Order number: 51SM14MB11B2C</b><br><b>EAN: 4069025531537</b> | <b>LP number</b><br><b>59886_13</b> |
|--|---|-------------------------------------|



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



## Photometric test report

|                                   |   |                              |
|-----------------------------------|---|------------------------------|
| Family<br><b>Spot 21 Modario®</b> | Order number: <b>51SM14MB11B2C</b><br>EAN: <b>4069025531537</b> | LP number<br><b>59886_13</b> |
|-----------------------------------|---|------------------------------|

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

| DIP-Step | Switch Setting |     |     |     | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|-----|--------------------|-----------------------|
|          | 1              | 2   | 3   | 4   |                    |                       |
| 15       | ON             | ON  | ON  | ON  | 5100               | 40.4                  |
| 14       | ON             | ON  | ON  | OFF | 4920               | 38.5                  |
| 13       | ON             | ON  | OFF | ON  | 4730               | 36.6                  |
| 12       | ON             | ON  | OFF | OFF | 4540               | 34.7                  |
| 11       | ON             | OFF | ON  | ON  | 4330               | 32.6                  |
| 10       | ON             | OFF | ON  | OFF | 4120               | 30.7                  |
| 9        | ON             | OFF | OFF | ON  | 3910               | 28.7                  |
| 8        | ON             | OFF | OFF | OFF | 3690               | 26.8                  |
| 7        | OFF            | ON  | ON  | ON  | 3400               | 24.3                  |
| 6        | OFF            | ON  | ON  | OFF | 3170               | 22.4                  |
| 5        | OFF            | ON  | OFF | ON  | 2930               | 20.6                  |
| 4        | OFF            | ON  | OFF | OFF | 2690               | 18.7                  |
| 3        | OFF            | OFF | ON  | ON  | 2420               | 16.6                  |
| 2        | OFF            | OFF | ON  | OFF | 2170               | 14.8                  |
| 1        | OFF            | OFF | OFF | ON  | 1920               | 13.0                  |
| 0        | OFF            | OFF | OFF | OFF | 1660               | 11.2                  |