
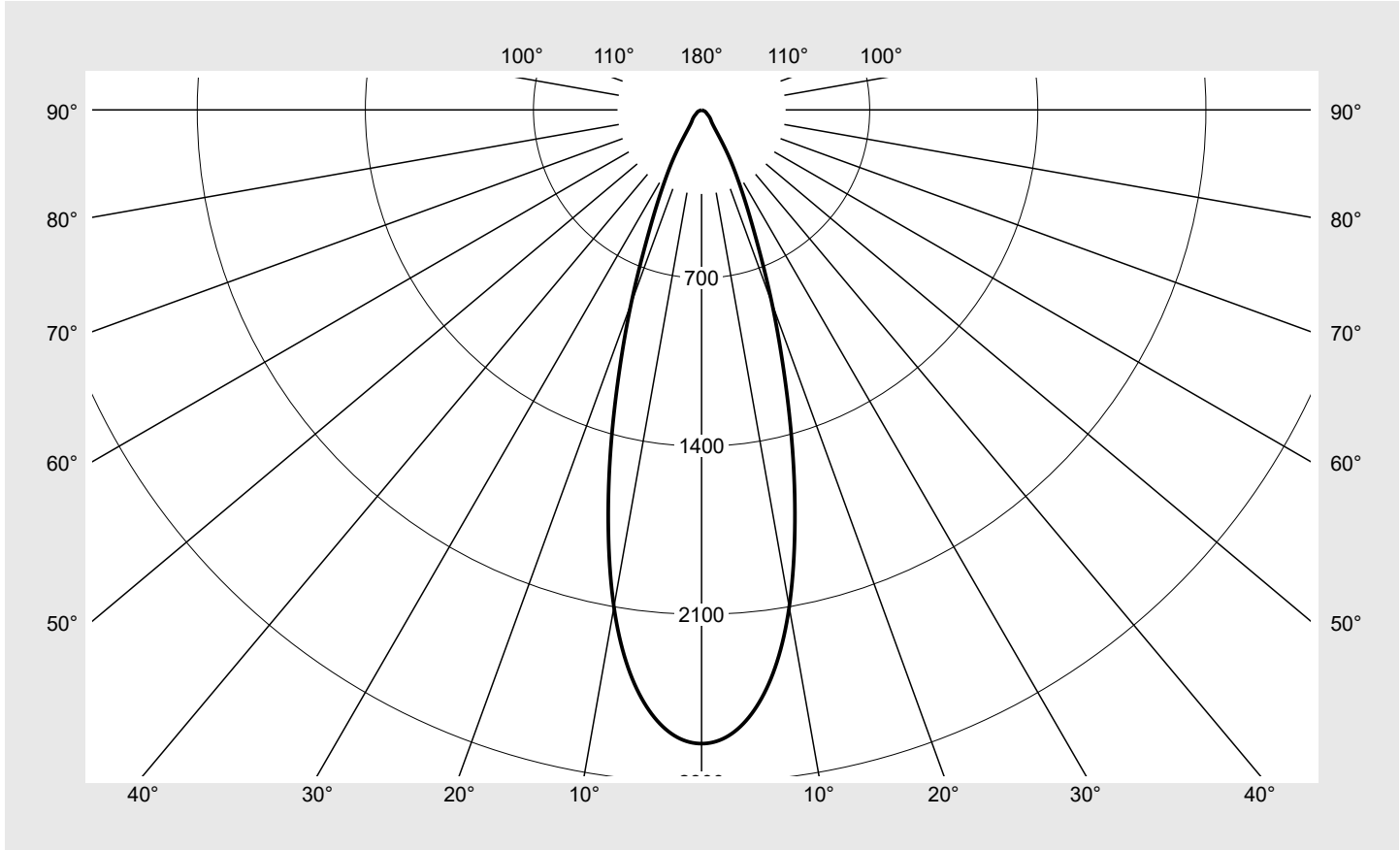


# Photometric test report

|  |   |  |
|--|---|--|
| <b>Family</b><br><b>Spot 21 Standard</b> | <b>Order number: 51SE63DA2ED2C</b><br><b>EAN: 4069025447937</b>   | <b>LP number</b><br><b>59942_16</b>              |
|  | <b>Version</b> housing, white aluminium, reflector, lens PMMA, wide distribution<br><b>Lamps</b> LED 4000 K   CRI ≥ 90<br><b>Controlgear</b> ECG-DALI-Multilumen<br><b>Setting</b> factory setting: DIP-Step=5<br><b>Rated values</b> Net luminous flux = 2300 lm<br>Power consumption = 15.6 W<br>Luminous efficacy = 147.4 lm/W | <b>serial documentation</b><br><b>11.05.2026</b> |



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



| Classifications |                                     |
|-----------------|-------------------------------------|
| DIN 5040        | A 8 0                               |
| CIE             | N1=92 N2=98 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

## Photometric test report

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

|   |                                   |               |
|---|-----------------------------------|---------------|
| <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 |                |
| 0,0°     | 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         |

## Photometric test report

|                            |   |                       |
|----------------------------|---|-----------------------|
| Family<br>Spot 21 Standard | Order number: 51SE63DA2ED2C<br>EAN: 4069025447937 | LP number<br>59942_16 |
|----------------------------|---|-----------------------|

| 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  | 20.3                | 21.4 | 20.7 | 21.7 | 22.0 | 20.3               | 21.4 | 20.7 | 21.7 | 22.0 |
|                              | 3H  | 20.9                | 21.9 | 21.3 | 22.2 | 22.6 | 20.9               | 21.9 | 21.3 | 22.2 | 22.6 |
|                              | 4H  | 21.2                | 22.0 | 21.6 | 22.4 | 22.8 | 21.2               | 22.0 | 21.6 | 22.4 | 22.8 |
|                              | 6H  | 21.4                | 22.1 | 21.8 | 22.5 | 22.9 | 21.4               | 22.1 | 21.8 | 22.5 | 22.9 |
|                              | 8H  | 21.5                | 22.1 | 22.0 | 22.5 | 22.9 | 21.5               | 22.1 | 22.0 | 22.5 | 22.9 |
|                              | 12H | 21.5                | 22.1 | 22.0 | 22.5 | 22.9 | 21.5               | 22.1 | 22.0 | 22.5 | 22.9 |
| 4H                           | 2H  | 20.6                | 21.4 | 21.0 | 21.8 | 22.2 | 20.6               | 21.4 | 21.0 | 21.8 | 22.2 |
|                              | 3H  | 21.3                | 22.0 | 21.8 | 22.4 | 22.9 | 21.3               | 22.0 | 21.8 | 22.4 | 22.9 |
|                              | 4H  | 21.6                | 22.3 | 22.1 | 22.7 | 23.1 | 21.6               | 22.3 | 22.1 | 22.7 | 23.1 |
|                              | 6H  | 21.9                | 22.4 | 22.4 | 22.9 | 23.3 | 21.9               | 22.4 | 22.4 | 22.9 | 23.3 |
|                              | 8H  | 22.0                | 22.5 | 22.5 | 22.9 | 23.4 | 22.0               | 22.5 | 22.5 | 22.9 | 23.4 |
|                              | 12H | 22.1                | 22.4 | 22.6 | 22.9 | 23.4 | 22.1               | 22.4 | 22.6 | 22.9 | 23.4 |
| 8H                           | 4H  | 21.7                | 22.2 | 22.2 | 22.6 | 23.1 | 21.7               | 22.2 | 22.2 | 22.6 | 23.1 |
|                              | 6H  | 22.1                | 22.4 | 22.6 | 22.9 | 23.4 | 22.1               | 22.4 | 22.6 | 22.9 | 23.4 |
|                              | 8H  | 22.2                | 22.5 | 22.7 | 23.0 | 23.5 | 22.2               | 22.5 | 22.7 | 23.0 | 23.5 |
|                              | 12H | 22.3                | 22.5 | 22.8 | 23.0 | 23.6 | 22.3               | 22.5 | 22.8 | 23.0 | 23.6 |
| 12H                          | 4H  | 21.7                | 22.1 | 22.2 | 22.6 | 23.1 | 21.7               | 22.1 | 22.2 | 22.6 | 23.1 |
|                              | 6H  | 22.1                | 22.4 | 22.6 | 22.9 | 23.4 | 22.1               | 22.4 | 22.6 | 22.9 | 23.4 |
|                              | 8H  | 22.2                | 22.5 | 22.8 | 23.0 | 23.5 | 22.2               | 22.5 | 22.8 | 23.0 | 23.5 |

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

| C-planes | 0°                             |
|----------|--------------------------------|
| $\gamma$ | Luminance in cd/m <sup>2</sup> |
| 45,0°    | 55044.5                        |
| 50,0°    | 44967.2                        |
| 55,0°    | 35595.7                        |
| 60,0°    | 32728.0                        |
| 65,0°    | 28227.4                        |
| 70,0°    | 22581.6                        |
| 75,0°    | 20089.1                        |
| 80,0°    | 18053.2                        |
| 85,0°    | 14038.0                        |

**Photometric test report**

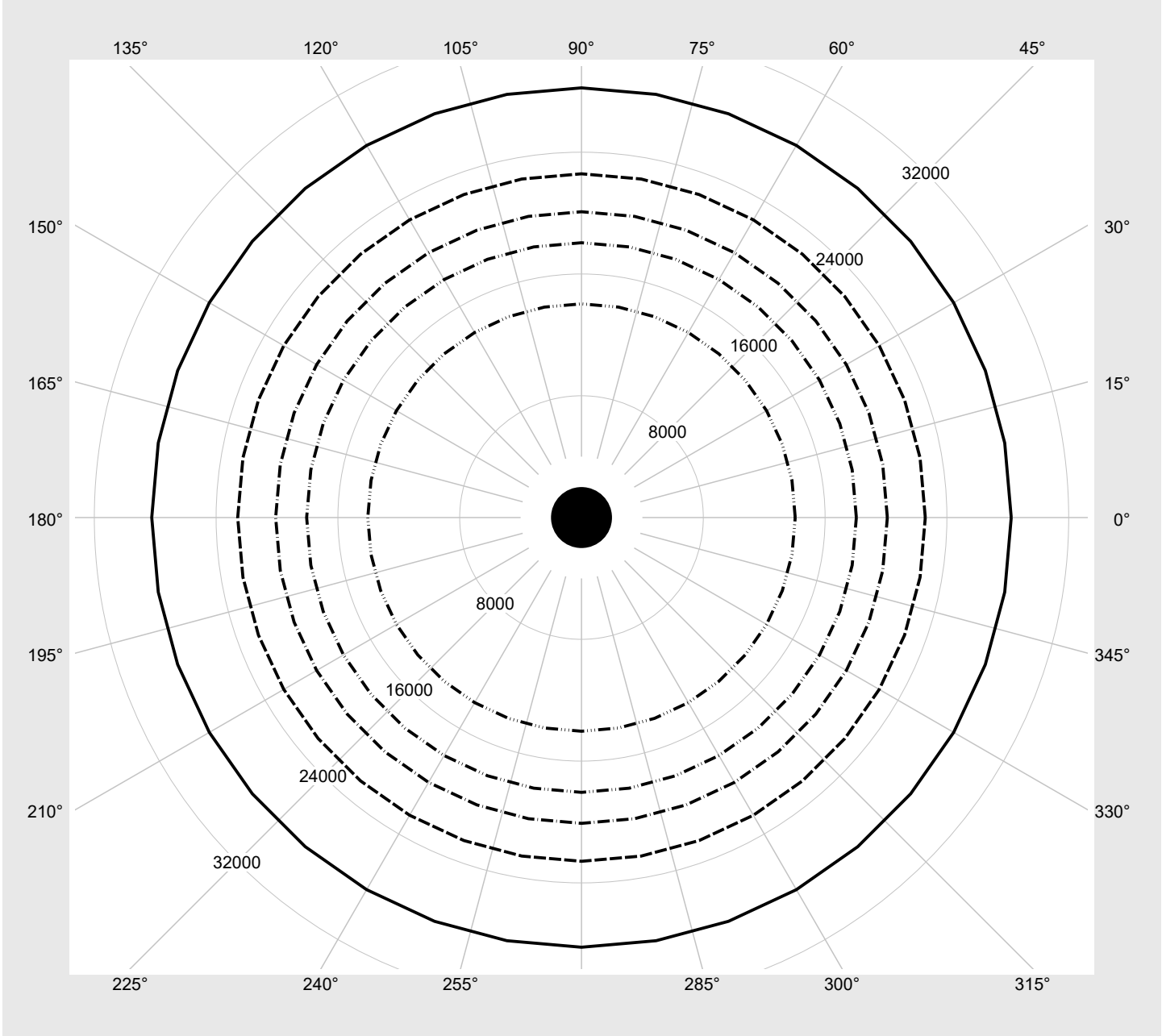
**Family**  
Spot 21 Standard

**Order number: 51SE63DA2ED2C**  
**EAN: 4069025447937**

**LP number**  
59942\_16

**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°



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|                                   |   |                              |
|-----------------------------------|---|------------------------------|
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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   | 4   |                    |                       |
| 11       | ON             | OFF | ON  | ON  | 3790               | 28.0                  |
| 10       | ON             | OFF | ON  | OFF | 3560               | 25.8                  |
| 9        | ON             | OFF | OFF | ON  | 3320               | 23.7                  |
| 8        | ON             | OFF | OFF | OFF | 3070               | 21.6                  |
| 7        | OFF            | ON  | ON  | ON  | 2820               | 19.8                  |
| 6        | OFF            | ON  | ON  | OFF | 2560               | 17.7                  |
| 5        | OFF            | ON  | OFF | ON  | 2300               | 15.6                  |
| 4        | OFF            | ON  | OFF | OFF | 2030               | 13.8                  |
| 3        | OFF            | OFF | ON  | ON  | 1750               | 11.7                  |
| 2        | OFF            | OFF | ON  | OFF | 1470               | 9.9                   |
| 1        | OFF            | OFF | OFF | ON  | 1180               | 8.0                   |
| 0        | OFF            | OFF | OFF | OFF | 890                | 6.2                   |