

## Lichttechnischer Prüfbefund

**Familie**  
**Spot 11**

**Bestell-Nr.: 51SD13MB11C3B**  
**EAN: 4069025538451**

**LP-Nummer**  
**59943\_2**



|                        |  |
|------------------------|--|
| <b>Ausführung</b>      | Gehäuse, weiß, Reflektor, Abdeckglas, klar, medium strahlend                     |
| <b>Bestückung</b>      | LED 3500 K   CRI ≥ 90  |
| <b>Betriebsgerät</b>   | EVG-Multilumen   |
| <b>Einstellung</b>     | Werkseinstellung: DIP-Stufe=4  |
| <b>Bemessungswerte</b> | Nettolichtstrom = 3190 lm<br>Systemleistung = 19.1 W<br>Lichtausbeute = 167 lm/W |

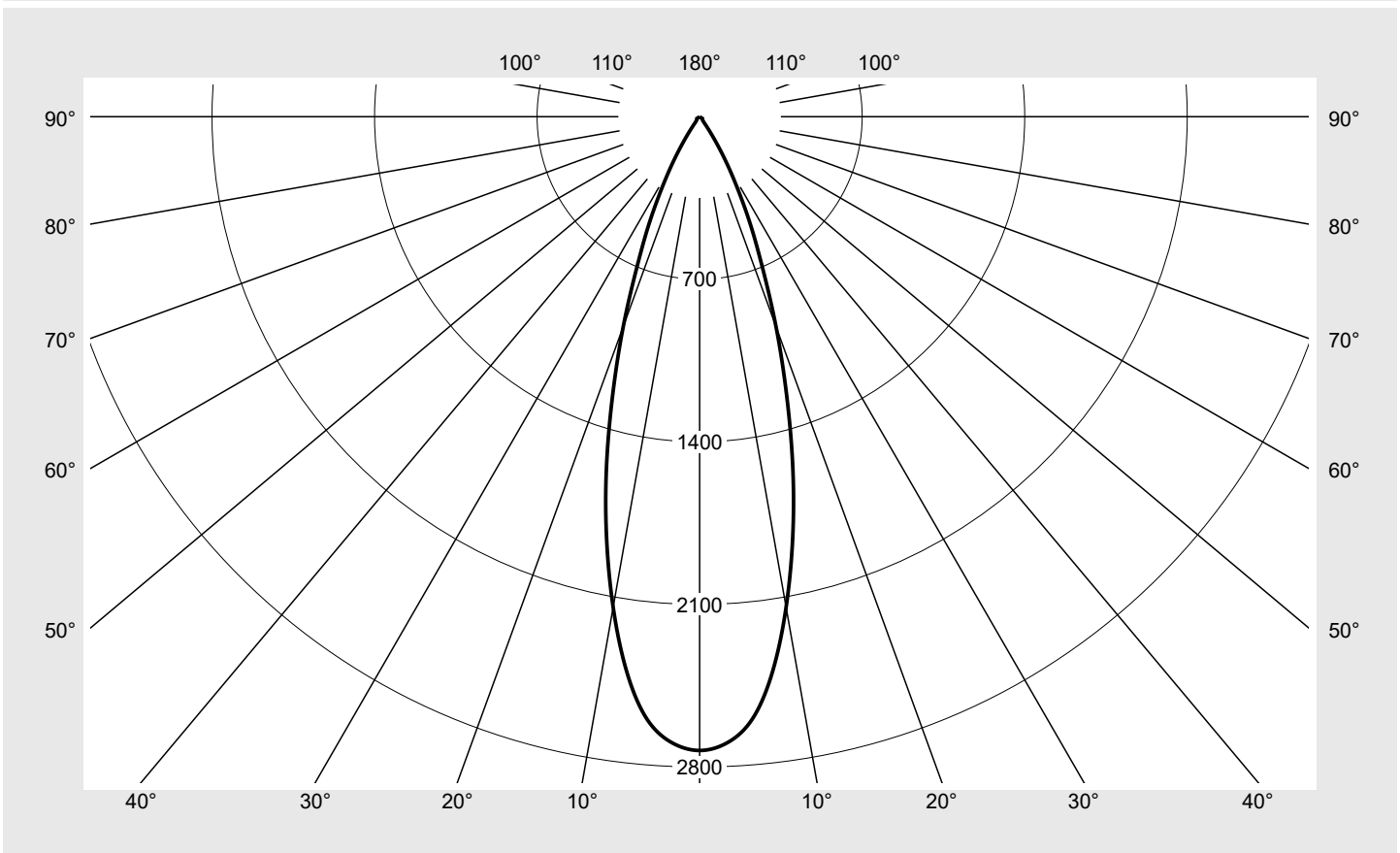
**Seriendokumentation**  
14.01.2026

**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**Imax: 2729 cd/klm**



**Klassifizierungen**

DIN 5040 A 8 0  
CIE N1=95 N2=98 N3=100  
N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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|                                  |  |                                    |
|----------------------------------|--|------------------------------------|
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|  |                             |               |
|--|-----------------------------|---------------|
| <b>Wertetabelle Lichtstärkemessung</b> | <b>Maximale Lichtstärke</b> | <b>sITeco</b> |
|--|-----------------------------|---------------|

| C-<br>Ebenen | 0°                    | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|----------------------|-------------------|
| $\gamma$     | Lichtstärke in cd/klm | Lichtstrom in lm/klm |                   |
| 0,0°         | 2728.9                | 4.1                  | 4.1               |
| 2,5°         | 2698.9                | 32.3                 | 36.4              |
| 5,0°         | 2603.6                | 62.2                 | 98.6              |
| 7,5°         | 2408.8                | 86.2                 | 184.7             |
| 10,0°        | 2144.7                | 102.1                | 286.8             |
| 12,5°        | 1852.9                | 109.9                | 396.8             |
| 15,0°        | 1547.7                | 109.8                | 506.6             |
| 17,5°        | 1239.0                | 102.1                | 608.7             |
| 20,0°        | 961.6                 | 90.2                 | 698.9             |
| 22,5°        | 713.3                 | 74.8                 | 773.7             |
| 25,0°        | 529.0                 | 61.3                 | 835.0             |
| 27,5°        | 368.4                 | 46.6                 | 881.6             |
| 30,0°        | 242.5                 | 33.2                 | 914.9             |
| 32,5°        | 138.8                 | 20.4                 | 935.3             |
| 35,0°        | 65.4                  | 10.3                 | 945.6             |
| 37,5°        | 27.0                  | 4.5                  | 950.1             |
| 40,0°        | 21.6                  | 3.8                  | 953.9             |
| 42,5°        | 19.4                  | 3.6                  | 957.5             |
| 45,0°        | 17.7                  | 3.4                  | 960.9             |
| 47,5°        | 16.6                  | 3.3                  | 964.3             |
| 50,0°        | 15.6                  | 3.3                  | 967.6             |
| 52,5°        | 14.8                  | 3.2                  | 970.8             |
| 55,0°        | 14.3                  | 3.2                  | 974.0             |
| 57,5°        | 14.0                  | 3.2                  | 977.2             |
| 60,0°        | 13.5                  | 3.2                  | 980.4             |
| 62,5°        | 13.0                  | 3.1                  | 983.5             |
| 65,0°        | 12.1                  | 3.0                  | 986.5             |
| 67,5°        | 11.2                  | 2.8                  | 989.4             |
| 70,0°        | 10.0                  | 2.6                  | 992.0             |
| 72,5°        | 8.7                   | 2.3                  | 994.3             |
| 75,0°        | 7.0                   | 1.9                  | 996.1             |
| 77,5°        | 5.4                   | 1.5                  | 997.6             |
| 80,0°        | 4.0                   | 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-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 16,0                                | 17,0 | 16,3 | 17,3 | 17,6 | 16,0                                  | 17,0 | 16,3 | 17,3 | 17,6 |
|                 | 3H  | 17,4                                | 18,3 | 17,8 | 18,6 | 19,0 | 17,4                                  | 18,3 | 17,8 | 18,6 | 19,0 |
|                 | 4H  | 18,0                                | 18,9 | 18,4 | 19,2 | 19,6 | 18,0                                  | 18,9 | 18,4 | 19,2 | 19,6 |
|                 | 6H  | 18,5                                | 19,2 | 18,9 | 19,6 | 19,9 | 18,5                                  | 19,2 | 18,9 | 19,6 | 19,9 |
|                 | 8H  | 18,7                                | 19,3 | 19,2 | 19,7 | 20,1 | 18,7                                  | 19,3 | 19,2 | 19,7 | 20,1 |
|                 | 12H | 18,8                                | 19,3 | 19,2 | 19,7 | 20,1 | 18,8                                  | 19,3 | 19,2 | 19,7 | 20,1 |
| 4H              | 2H  | 16,5                                | 17,3 | 16,9 | 17,6 | 18,0 | 16,5                                  | 17,3 | 16,9 | 17,6 | 18,0 |
|                 | 3H  | 18,1                                | 18,8 | 18,6 | 19,2 | 19,6 | 18,1                                  | 18,8 | 18,6 | 19,2 | 19,6 |
|                 | 4H  | 18,9                                | 19,5 | 19,3 | 19,9 | 20,3 | 18,9                                  | 19,5 | 19,3 | 19,9 | 20,3 |
|                 | 6H  | 19,4                                | 19,9 | 19,8 | 20,3 | 20,8 | 19,4                                  | 19,9 | 19,8 | 20,3 | 20,8 |
|                 | 8H  | 19,6                                | 20,0 | 20,1 | 20,4 | 20,9 | 19,6                                  | 20,0 | 20,1 | 20,4 | 20,9 |
|                 | 12H | 19,7                                | 20,0 | 20,2 | 20,5 | 21,0 | 19,7                                  | 20,0 | 20,2 | 20,5 | 21,0 |
| 8H              | 4H  | 19,1                                | 19,6 | 19,6 | 20,0 | 20,5 | 19,1                                  | 19,6 | 19,6 | 20,0 | 20,5 |
|                 | 6H  | 19,8                                | 20,1 | 20,3 | 20,6 | 21,1 | 19,8                                  | 20,1 | 20,3 | 20,6 | 21,1 |
|                 | 8H  | 20,0                                | 20,3 | 20,5 | 20,8 | 21,3 | 20,0                                  | 20,3 | 20,5 | 20,8 | 21,3 |
|                 | 12H | 20,1                                | 20,4 | 20,6 | 20,9 | 21,4 | 20,1                                  | 20,4 | 20,6 | 20,9 | 21,4 |
| 12H             | 4H  | 19,2                                | 19,5 | 19,7 | 20,0 | 20,5 | 19,2                                  | 19,5 | 19,7 | 20,0 | 20,5 |
|                 | 6H  | 19,8                                | 20,1 | 20,3 | 20,6 | 21,1 | 19,8                                  | 20,1 | 20,3 | 20,6 | 21,1 |
|                 | 8H  | 20,0                                | 20,3 | 20,6 | 20,8 | 21,3 | 20,0                                  | 20,3 | 20,6 | 20,8 | 21,3 |

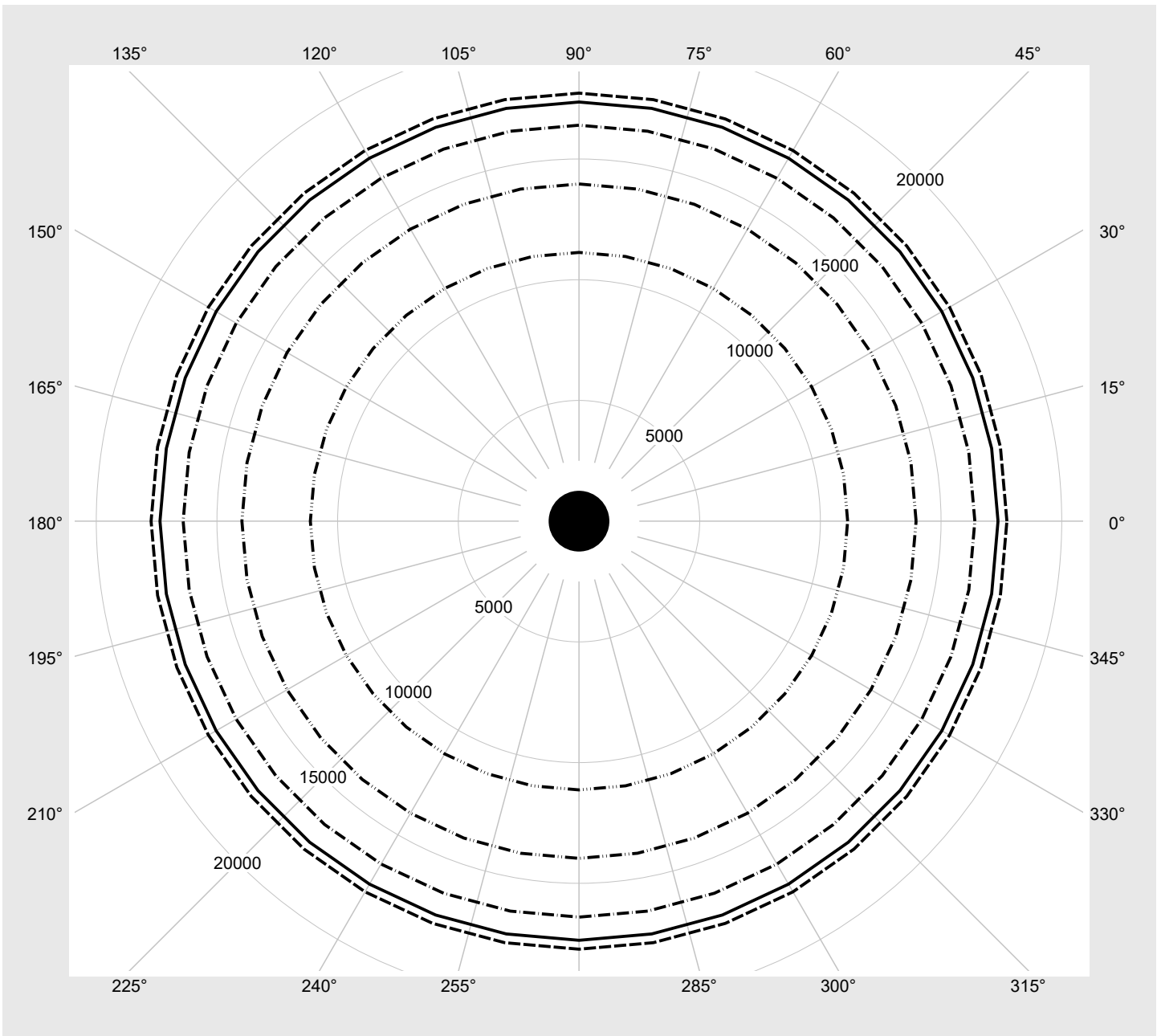
## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 82

| C-Ebenen | 0°                                |
|----------|-----------------------------------|
| $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |
| 45,0°    | 15093.0                           |
| 50,0°    | 14622.3                           |
| 55,0°    | 15012.4                           |
| 60,0°    | 16251.4                           |
| 65,0°    | 17360.3                           |
| 70,0°    | 17728.4                           |
| 75,0°    | 16400.1                           |
| 80,0°    | 13966.5                           |
| 85,0°    | 11130.7                           |

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



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## Multilumen-Tabelle

Umgebungstemperatur: 25°C



| DIP-Stufe | Schalterstellung |     |     | Lichtstrom<br>[lm] | Systemleistung<br>[W] |
|-----------|------------------|-----|-----|--------------------|-----------------------|
|           | 1                | 2   | 3   |                    |                       |
| 0         | OFF              | OFF | OFF | 4370               | 27.0                  |
| 1         | ON               | OFF | OFF | 4080               | 25.0                  |
| 2         | OFF              | ON  | OFF | 3790               | 23.0                  |
| 3         | ON               | ON  | OFF | 3490               | 21.0                  |
| 4         | OFF              | OFF | ON  | 3190               | 19.1                  |
| 5         | ON               | OFF | ON  | 2880               | 17.1                  |
| 6         | OFF              | ON  | ON  | 2570               | 15.2                  |
| 7         | ON               | ON  | ON  | 2260               | 13.4                  |