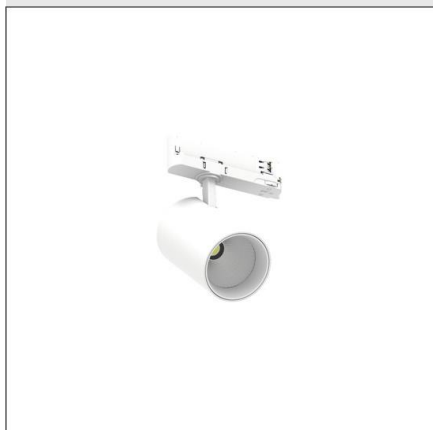


## Lichttechnischer Prüfbefund

**Familie**  
**Spot 21 Performance**
**Bestell-Nr.: 51SD13DB11B3B**  
**EAN: 4069025538314**
**LP-Nummer**  
**59943\_10**


|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| <b>Ausführung</b>      | Gehäuse, weiß, Reflektor, Abdeckglas, klar, medium strahlend                       |
| <b>Bestückung</b>      | LED 3000 K   CRI ≥ 90                                                              |
| <b>Betriebsgerät</b>   | EVG-DALI-Multilumen                                                                |
| <b>Einstellung</b>     | Werkseinstellung: DIP-Stufe=7                                                      |
| <b>Bemessungswerte</b> | Nettolichtstrom = 3150 lm<br>Systemleistung = 20.4 W<br>Lichtausbeute = 154.4 lm/W |

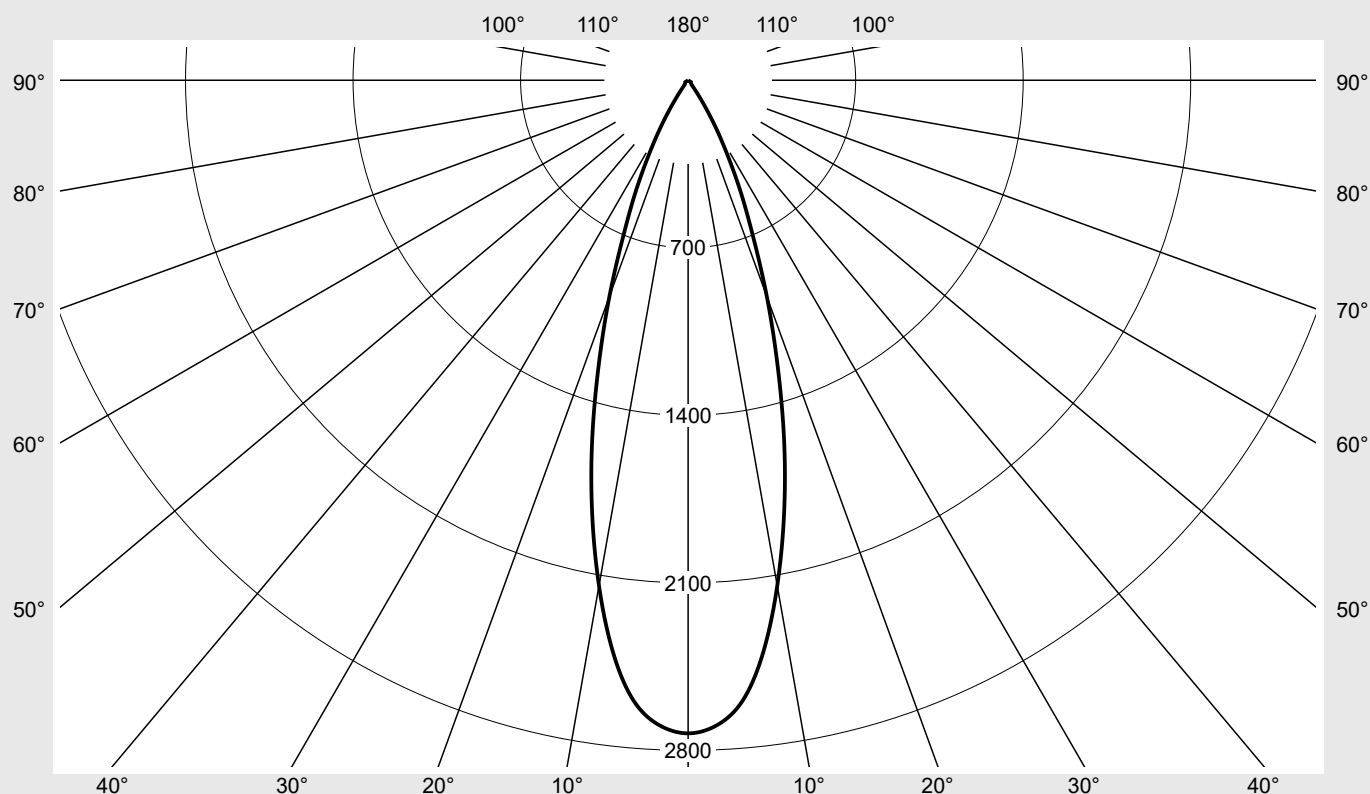
**Seriendokumentation**  
 11.05.2026

**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

## Lichttechnischer Prüfbefund

|                                       |                                                                |                              |
|---------------------------------------|----------------------------------------------------------------|------------------------------|
| <b>Familie</b><br>Spot 21 Performance | <b>Bestell-Nr.: 51SD13DB11B3B</b><br><b>EAN: 4069025538314</b> | <b>LP-Nummer</b><br>59943_10 |
|---------------------------------------|----------------------------------------------------------------|------------------------------|

|                                        |                             |               |
|----------------------------------------|-----------------------------|---------------|
| <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            |

## Lichttechnischer Prüfbefund

|                                       |                                                                |                              |
|---------------------------------------|----------------------------------------------------------------|------------------------------|
| <b>Familie</b><br>Spot 21 Performance | <b>Bestell-Nr.: 51SD13DB11B3B</b><br><b>EAN: 4069025538314</b> | <b>LP-Nummer</b><br>59943_10 |
|---------------------------------------|----------------------------------------------------------------|------------------------------|

| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 15,9                                | 17,0 | 16,3 | 17,3 | 17,6 | 15,9                                  | 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                                | 18,8 | 18,4 | 19,2 | 19,5 | 18,0                                  | 18,8 | 18,4 | 19,2 | 19,5 |
|                 | 6H  | 18,4                                | 19,1 | 18,8 | 19,5 | 19,9 | 18,4                                  | 19,1 | 18,8 | 19,5 | 19,9 |
|                 | 8H  | 18,7                                | 19,2 | 19,1 | 19,6 | 20,0 | 18,7                                  | 19,2 | 19,1 | 19,6 | 20,0 |
|                 | 12H | 18,7                                | 19,2 | 19,2 | 19,6 | 20,1 | 18,7                                  | 19,2 | 19,2 | 19,6 | 20,1 |
| 4H              | 2H  | 16,4                                | 17,2 | 16,8 | 17,6 | 18,0 | 16,4                                  | 17,2 | 16,8 | 17,6 | 18,0 |
|                 | 3H  | 18,1                                | 18,8 | 18,5 | 19,2 | 19,6 | 18,1                                  | 18,8 | 18,5 | 19,2 | 19,6 |
|                 | 4H  | 18,8                                | 19,4 | 19,3 | 19,8 | 20,3 | 18,8                                  | 19,4 | 19,3 | 19,8 | 20,3 |
|                 | 6H  | 19,3                                | 19,8 | 19,8 | 20,3 | 20,7 | 19,3                                  | 19,8 | 19,8 | 20,3 | 20,7 |
|                 | 8H  | 19,5                                | 19,9 | 20,0 | 20,4 | 20,9 | 19,5                                  | 19,9 | 20,0 | 20,4 | 20,9 |
|                 | 12H | 19,6                                | 20,0 | 20,1 | 20,4 | 20,9 | 19,6                                  | 20,0 | 20,1 | 20,4 | 20,9 |
| 8H              | 4H  | 19,1                                | 19,5 | 19,6 | 20,0 | 20,5 | 19,1                                  | 19,5 | 19,6 | 20,0 | 20,5 |
|                 | 6H  | 19,7                                | 20,0 | 20,2 | 20,5 | 21,0 | 19,7                                  | 20,0 | 20,2 | 20,5 | 21,0 |
|                 | 8H  | 19,9                                | 20,2 | 20,4 | 20,7 | 21,2 | 19,9                                  | 20,2 | 20,4 | 20,7 | 21,2 |
|                 | 12H | 20,1                                | 20,3 | 20,6 | 20,8 | 21,4 | 20,1                                  | 20,3 | 20,6 | 20,8 | 21,4 |
| 12H             | 4H  | 19,1                                | 19,5 | 19,6 | 19,9 | 20,4 | 19,1                                  | 19,5 | 19,6 | 19,9 | 20,4 |
|                 | 6H  | 19,7                                | 20,0 | 20,3 | 20,5 | 21,0 | 19,7                                  | 20,0 | 20,3 | 20,5 | 21,0 |
|                 | 8H  | 20,0                                | 20,2 | 20,5 | 20,7 | 21,3 | 20,0                                  | 20,2 | 20,5 | 20,7 | 21,3 |

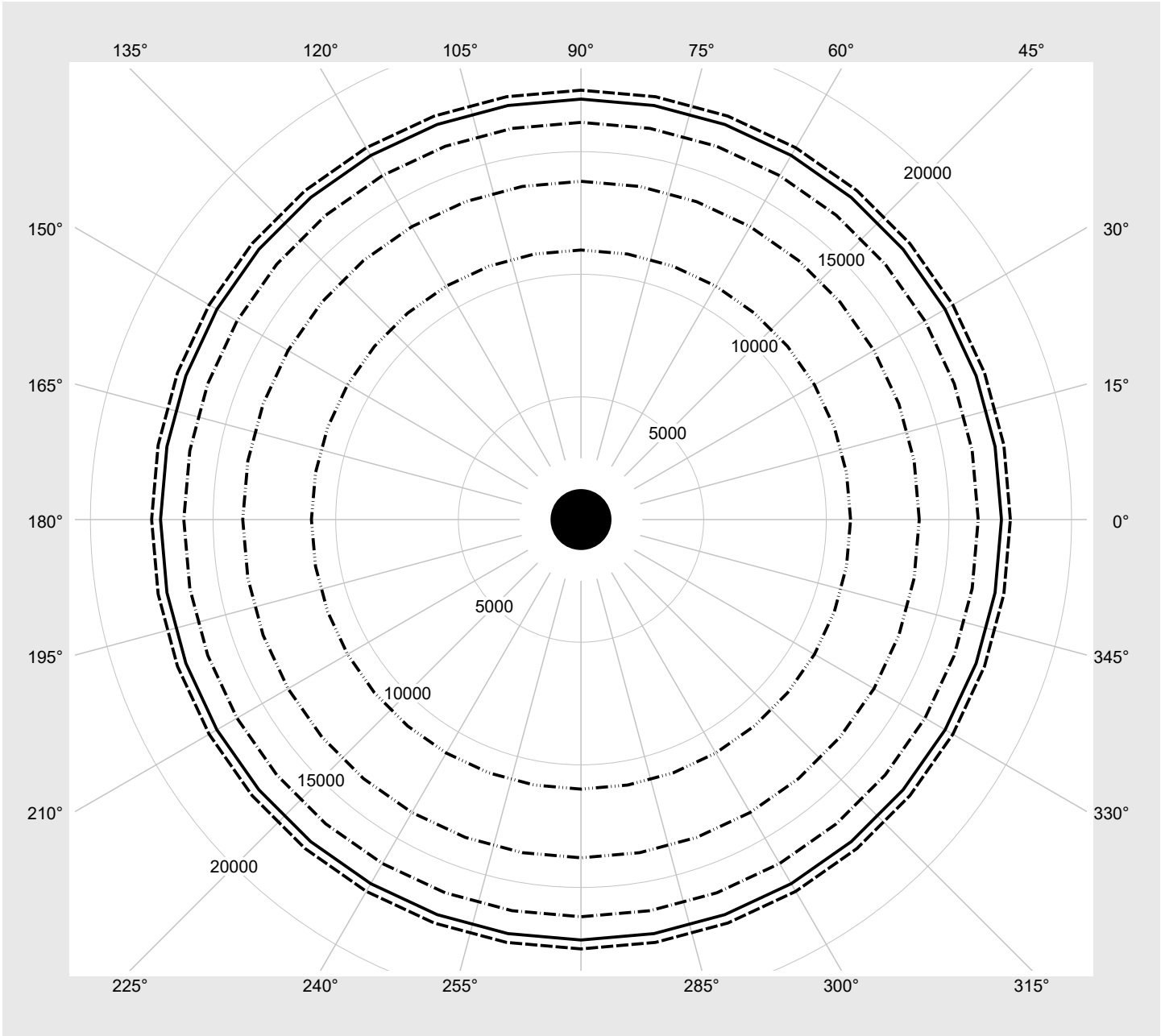
## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 82

| C-Ebenen | 0°                                |
|----------|-----------------------------------|
| $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |
| 45,0°    | 14903.7                           |
| 50,0°    | 14438.9                           |
| 55,0°    | 14824.1                           |
| 60,0°    | 16047.6                           |
| 65,0°    | 17142.7                           |
| 70,0°    | 17506.1                           |
| 75,0°    | 16194.5                           |
| 80,0°    | 13791.4                           |
| 85,0°    | 10991.1                           |

**Lichttechnischer Prüfbefund**

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

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



## Lichttechnischer Prüfbefund

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

|                           |                           |               |
|---------------------------|---------------------------|---------------|
| <b>Multilumen-Tabelle</b> | Umgebungstemperatur: 25°C | <b>sITeco</b> |
|---------------------------|---------------------------|---------------|

| DIP-Stufe | Schalterstellung |     |     |     | Lichtstrom<br>[lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|-----|--------------------|--------------------|
|           | 1                | 2   | 3   | 4   |                    |                    |
| 11        | ON               | OFF | ON  | ON  | 4320               | 28.6               |
| 10        | ON               | OFF | ON  | OFF | 4030               | 26.4               |
| 9         | ON               | OFF | OFF | ON  | 3740               | 24.4               |
| 8         | ON               | OFF | OFF | OFF | 3450               | 22.3               |
| 7         | OFF              | ON  | ON  | ON  | 3150               | 20.4               |
| 6         | OFF              | ON  | ON  | OFF | 2850               | 18.3               |
| 5         | OFF              | ON  | OFF | ON  | 2540               | 16.2               |
| 4         | OFF              | ON  | OFF | OFF | 2230               | 14.3               |
| 3         | OFF              | OFF | ON  | ON  | 1920               | 12.2               |
| 2         | OFF              | OFF | ON  | OFF | 1600               | 10.4               |
| 1         | OFF              | OFF | OFF | ON  | 1280               | 8.5                |
| 0         | OFF              | OFF | OFF | OFF | 950                | 6.6                |