

## Lichttechnischer Prüfbefund

**Familie**  
**Spot 21**

**Bestell-Nr.: 51SE62MA2EB2C**  
**EAN: 4069025447838**

**LP-Nummer**  
**59941\_2**



**Ausführung** Gehäuse, weißaluminium, Reflektor, Linse  
PMMA, medium strahlend

**Bestückung** LED 3000 K | CRI ≥ 90

**Betriebsgerät** EVG-Multilumen

**Einstellung** Werkseinstellung: DIP-Stufe=6

**Bemessungswerte** Nettolichtstrom = 2130 lm  
Systemleistung = 14.8 W  
Lichtausbeute = 143.9 lm/W

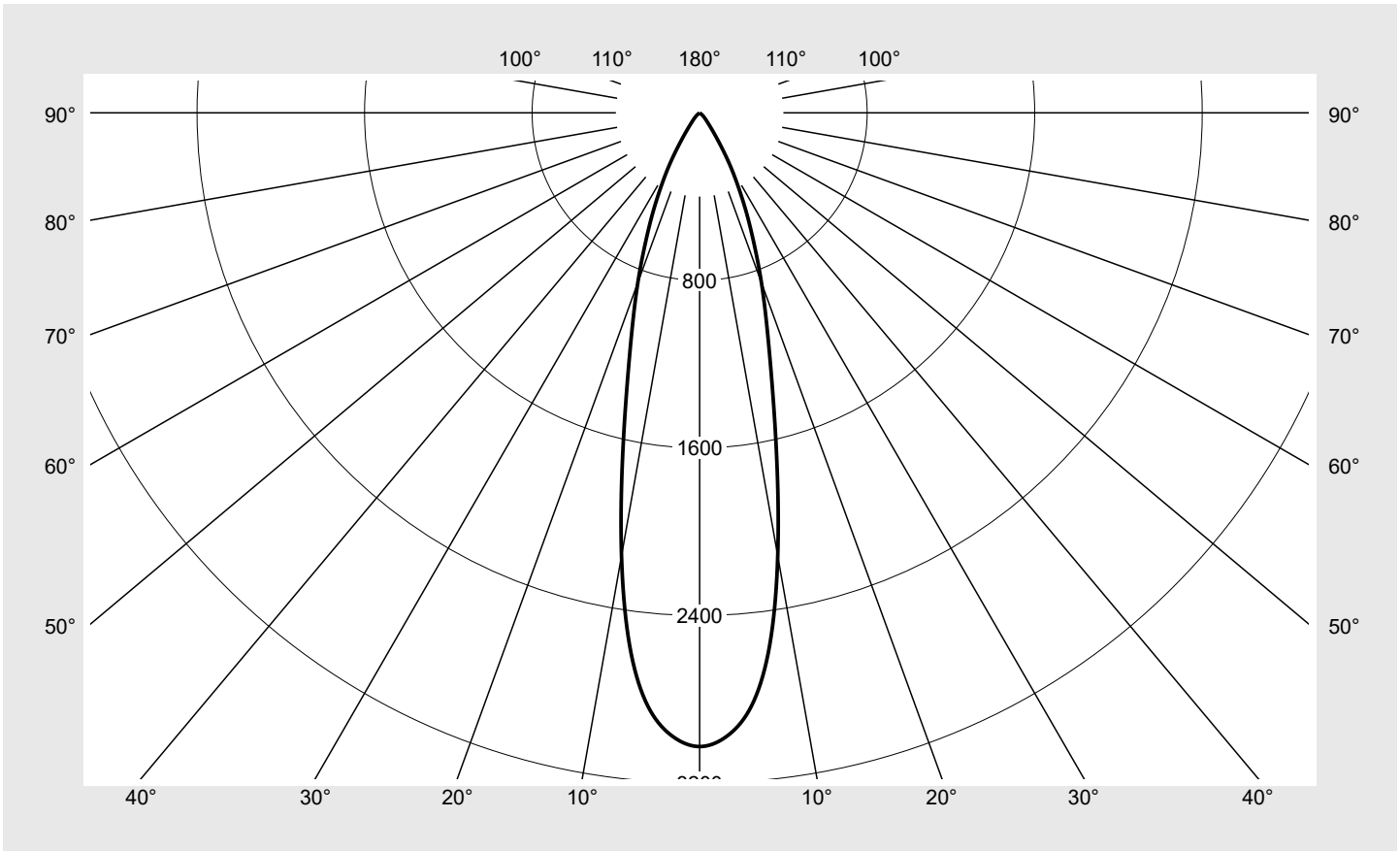
**Seriendokumentation**  
**14.01.2026**

**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**Imax: 3026 cd/klm**



**Klassifizierungen**

DIN 5040 A 8 0  
CIE N1=96 N2=99 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°         | 3025.7                | 4.5                  | 4.5               |
| 2,5°         | 2979.2                | 35.6                 | 40.1              |
| 5,0°         | 2842.5                | 67.9                 | 108.1             |
| 7,5°         | 2563.3                | 91.7                 | 199.8             |
| 10,0°        | 2148.0                | 102.2                | 302.0             |
| 12,5°        | 1703.6                | 101.1                | 403.1             |
| 15,0°        | 1334.8                | 94.7                 | 497.8             |
| 17,5°        | 1067.8                | 88.0                 | 585.8             |
| 20,0°        | 862.9                 | 80.9                 | 666.7             |
| 22,5°        | 681.8                 | 71.5                 | 738.3             |
| 25,0°        | 533.0                 | 61.7                 | 800.0             |
| 27,5°        | 402.1                 | 50.9                 | 850.9             |
| 30,0°        | 293.4                 | 40.2                 | 891.1             |
| 32,5°        | 193.5                 | 28.5                 | 919.6             |
| 35,0°        | 123.6                 | 19.4                 | 939.1             |
| 37,5°        | 81.8                  | 13.6                 | 952.7             |
| 40,0°        | 57.0                  | 10.1                 | 962.8             |
| 42,5°        | 42.5                  | 7.9                  | 970.6             |
| 45,0°        | 31.1                  | 6.0                  | 976.7             |
| 47,5°        | 23.0                  | 4.6                  | 981.3             |
| 50,0°        | 16.9                  | 3.5                  | 984.9             |
| 52,5°        | 12.1                  | 2.6                  | 987.5             |
| 55,0°        | 10.0                  | 2.3                  | 989.7             |
| 57,5°        | 8.6                   | 2.0                  | 991.7             |
| 60,0°        | 7.2                   | 1.7                  | 993.4             |
| 62,5°        | 5.9                   | 1.4                  | 994.9             |
| 65,0°        | 4.7                   | 1.2                  | 996.1             |
| 67,5°        | 3.6                   | 0.9                  | 997.0             |
| 70,0°        | 2.8                   | 0.7                  | 997.7             |
| 72,5°        | 2.4                   | 0.6                  | 998.3             |
| 75,0°        | 2.0                   | 0.5                  | 998.9             |
| 77,5°        | 1.5                   | 0.4                  | 999.3             |
| 80,0°        | 1.2                   | 0.3                  | 999.6             |
| 82,5°        | 0.8                   | 0.2                  | 999.8             |
| 85,0°        | 0.5                   | 0.1                  | 999.9             |
| 87,5°        | 0.2                   | 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  | 17,9                                | 18,9 | 18,2 | 19,2 | 19,5 | 17,9                                  | 18,9 | 18,2 | 19,2 | 19,5 |
|                 | 3H  | 17,8                                | 18,7 | 18,2 | 19,0 | 19,4 | 17,8                                  | 18,7 | 18,2 | 19,0 | 19,4 |
|                 | 4H  | 17,8                                | 18,6 | 18,2 | 19,0 | 19,3 | 17,8                                  | 18,6 | 18,2 | 19,0 | 19,3 |
|                 | 6H  | 17,8                                | 18,5 | 18,2 | 18,9 | 19,3 | 17,8                                  | 18,5 | 18,2 | 18,9 | 19,3 |
|                 | 8H  | 17,9                                | 18,4 | 18,3 | 18,8 | 19,2 | 17,9                                  | 18,4 | 18,3 | 18,8 | 19,2 |
|                 | 12H | 17,9                                | 18,4 | 18,3 | 18,7 | 19,2 | 17,9                                  | 18,4 | 18,3 | 18,7 | 19,2 |
| 4H              | 2H  | 17,7                                | 18,5 | 18,1 | 18,9 | 19,3 | 17,7                                  | 18,5 | 18,1 | 18,9 | 19,3 |
|                 | 3H  | 17,7                                | 18,4 | 18,1 | 18,8 | 19,2 | 17,7                                  | 18,4 | 18,1 | 18,8 | 19,2 |
|                 | 4H  | 17,7                                | 18,3 | 18,1 | 18,7 | 19,1 | 17,7                                  | 18,3 | 18,1 | 18,7 | 19,1 |
|                 | 6H  | 17,7                                | 18,2 | 18,2 | 18,6 | 19,1 | 17,7                                  | 18,2 | 18,2 | 18,6 | 19,1 |
|                 | 8H  | 17,7                                | 18,1 | 18,1 | 18,5 | 19,0 | 17,7                                  | 18,1 | 18,1 | 18,5 | 19,0 |
|                 | 12H | 17,7                                | 18,0 | 18,2 | 18,5 | 19,0 | 17,7                                  | 18,0 | 18,2 | 18,5 | 19,0 |
| 8H              | 4H  | 17,6                                | 18,0 | 18,1 | 18,5 | 19,0 | 17,6                                  | 18,0 | 18,1 | 18,5 | 19,0 |
|                 | 6H  | 17,6                                | 17,9 | 18,1 | 18,4 | 18,9 | 17,6                                  | 17,9 | 18,1 | 18,4 | 18,9 |
|                 | 8H  | 17,6                                | 17,9 | 18,1 | 18,4 | 18,9 | 17,6                                  | 17,9 | 18,1 | 18,4 | 18,9 |
|                 | 12H | 17,6                                | 17,8 | 18,1 | 18,3 | 18,9 | 17,6                                  | 17,8 | 18,1 | 18,3 | 18,9 |
| 12H             | 4H  | 17,6                                | 17,9 | 18,1 | 18,4 | 18,9 | 17,6                                  | 17,9 | 18,1 | 18,4 | 18,9 |
|                 | 6H  | 17,6                                | 17,8 | 18,1 | 18,3 | 18,9 | 17,6                                  | 17,8 | 18,1 | 18,3 | 18,9 |
|                 | 8H  | 17,6                                | 17,8 | 18,1 | 18,3 | 18,8 | 17,6                                  | 17,8 | 18,1 | 18,3 | 18,8 |

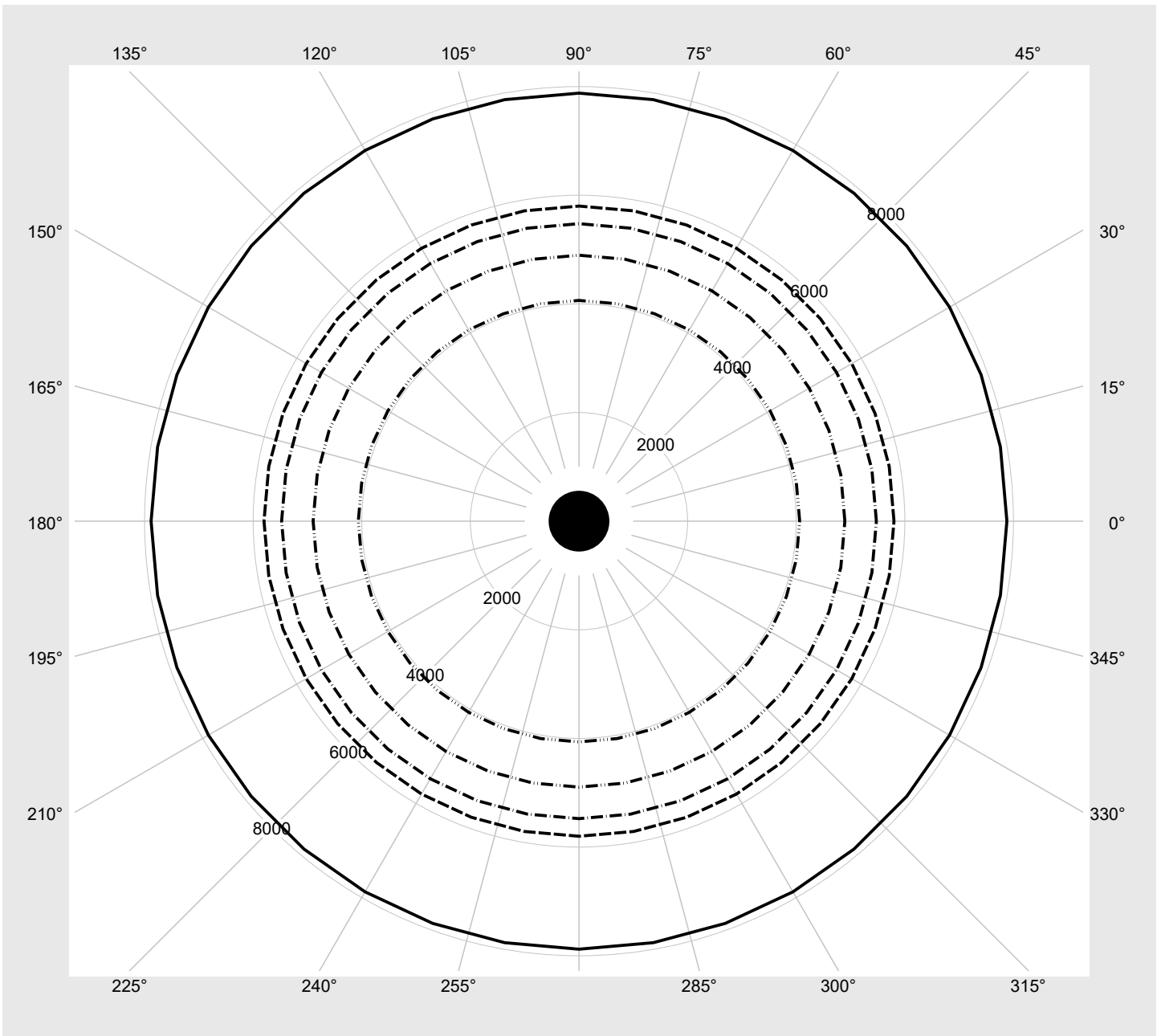
## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 62

| C-Ebenen | 0°                                |
|----------|-----------------------------------|
| $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |
| 45,0°    | 31062.9                           |
| 50,0°    | 18518.5                           |
| 55,0°    | 12353.2                           |
| 60,0°    | 10203.2                           |
| 65,0°    | 7879.5                            |
| 70,0°    | 5800.6                            |
| 75,0°    | 5476.3                            |
| 80,0°    | 4895.8                            |
| 85,0°    | 4063.6                            |

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



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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 | 3520               | 26.5                  |
| 1         | ON               | OFF | OFF | 3300               | 24.4                  |
| 2         | OFF              | ON  | OFF | 3080               | 22.4                  |
| 3         | ON               | ON  | OFF | 2850               | 20.4                  |
| 4         | OFF              | OFF | ON  | 2620               | 18.5                  |
| 5         | ON               | OFF | ON  | 2380               | 16.5                  |
| 6         | OFF              | ON  | ON  | 2130               | 14.8                  |
| 7         | ON               | ON  | ON  | 1880               | 12.8                  |