

## Lichttechnischer Prüfbefund

**Familie**  
**Spot 21 Standard**

**Bestell-Nr.: 51SE13DA2CD2C**  
**EAN: 4069025446954**

**LP-Nummer**  
**59938\_16**



**Ausführung** Gehäuse, weiß, Reflektor, Linse PMMA, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 90  
**Betriebsgerät** EVG-DALI-Multilumen  
**Einstellung** Werkseinstellung: DIP-Stufe=5  
**Bemessungswerte** Nettolichtstrom = 2300 lm  
 Systemleistung = 15.6 W  
 Lichtausbeute = 147.4 lm/W

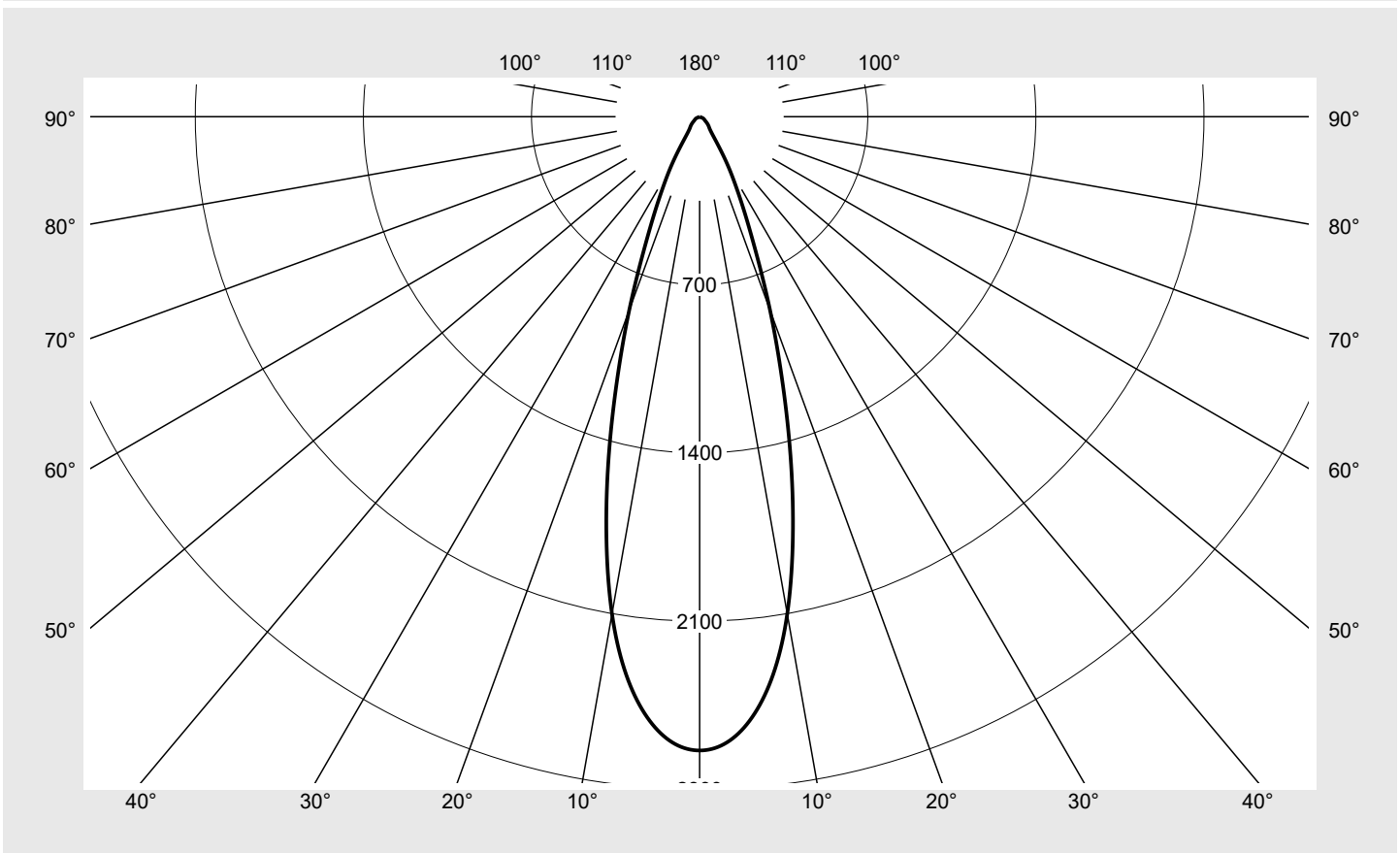
**Seriendokumentation**  
11.05.2026

**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**Imax: 2638 cd/klm**



**Klassifizierungen**

DIN 5040 A 8 0  
 CIE N1=92 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°         | 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            |

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| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (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 |

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

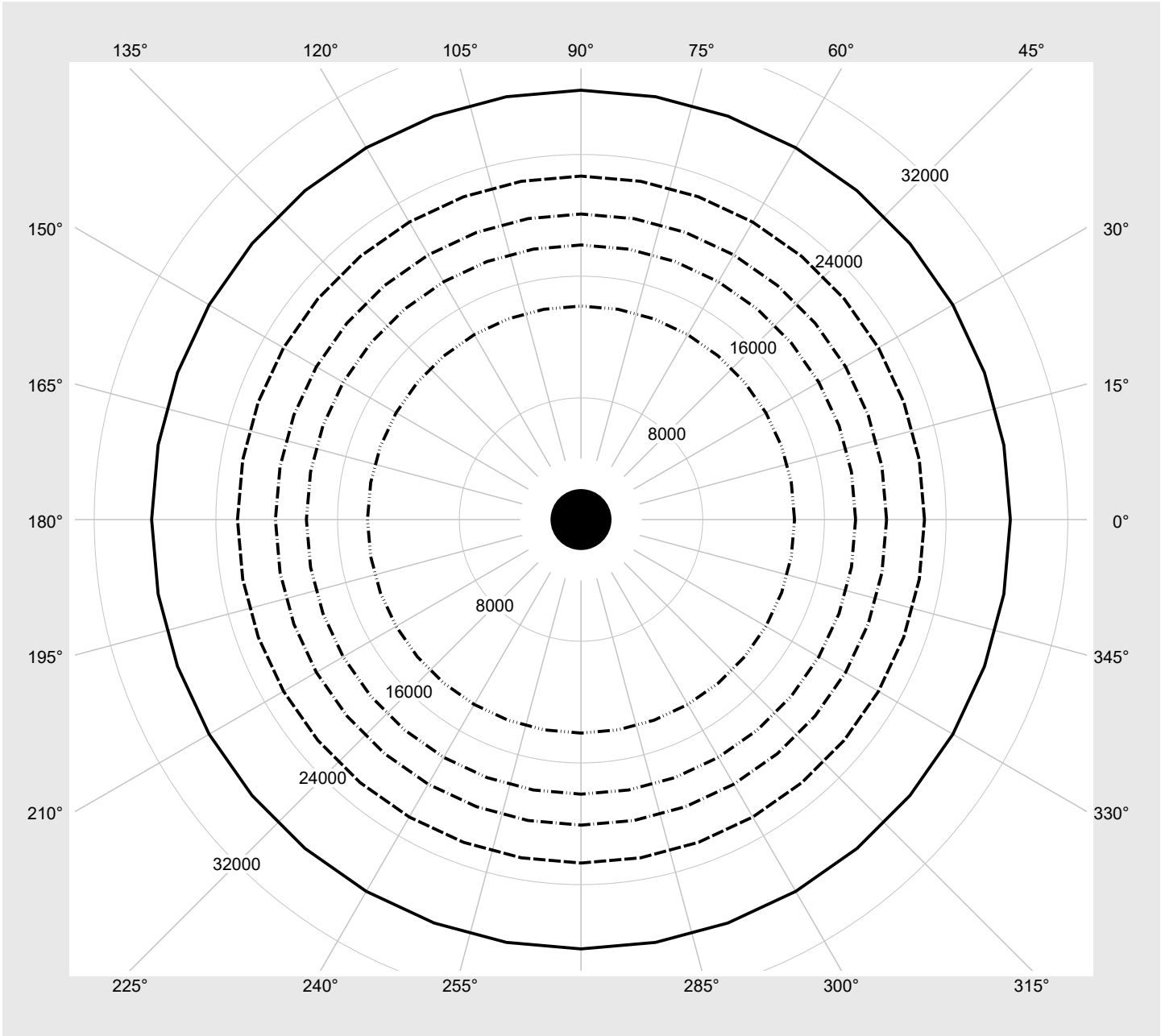
Lichttechnische Abmessungen in mm: D = 62

| C-Ebenen | 0°                                |
|----------|-----------------------------------|
| $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |
| 45,0°    | 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                           |

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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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|                           |                           |               |
|---------------------------|---------------------------|---------------|
| <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  | 3790               | 28.0               |
| 10        | ON               | OFF | ON  | OFF | 3550               | 25.9               |
| 9         | ON               | OFF | OFF | ON  | 3310               | 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               | 8.1                |
| 0         | OFF              | OFF | OFF | OFF | 890                | 6.2                |