

Lichttechnischer Prüfbefund

Familie
Spot 21 Standard

Bestell-Nr.: 51SE34MB11D2C
EAN: 4069025447654

LP-Nummer
59934_30



Ausführung Gehäuse, schwarz, Reflektor, Abdeckglas, klar, breit strahlend

Bestückung LED 4000 K | CRI ≥ 90

Betriebsgerät EVG-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=4

Bemessungswerte Nettolichtstrom = 2810 lm
Systemleistung = 18.5 W
Lichtausbeute = 151.9 lm/W

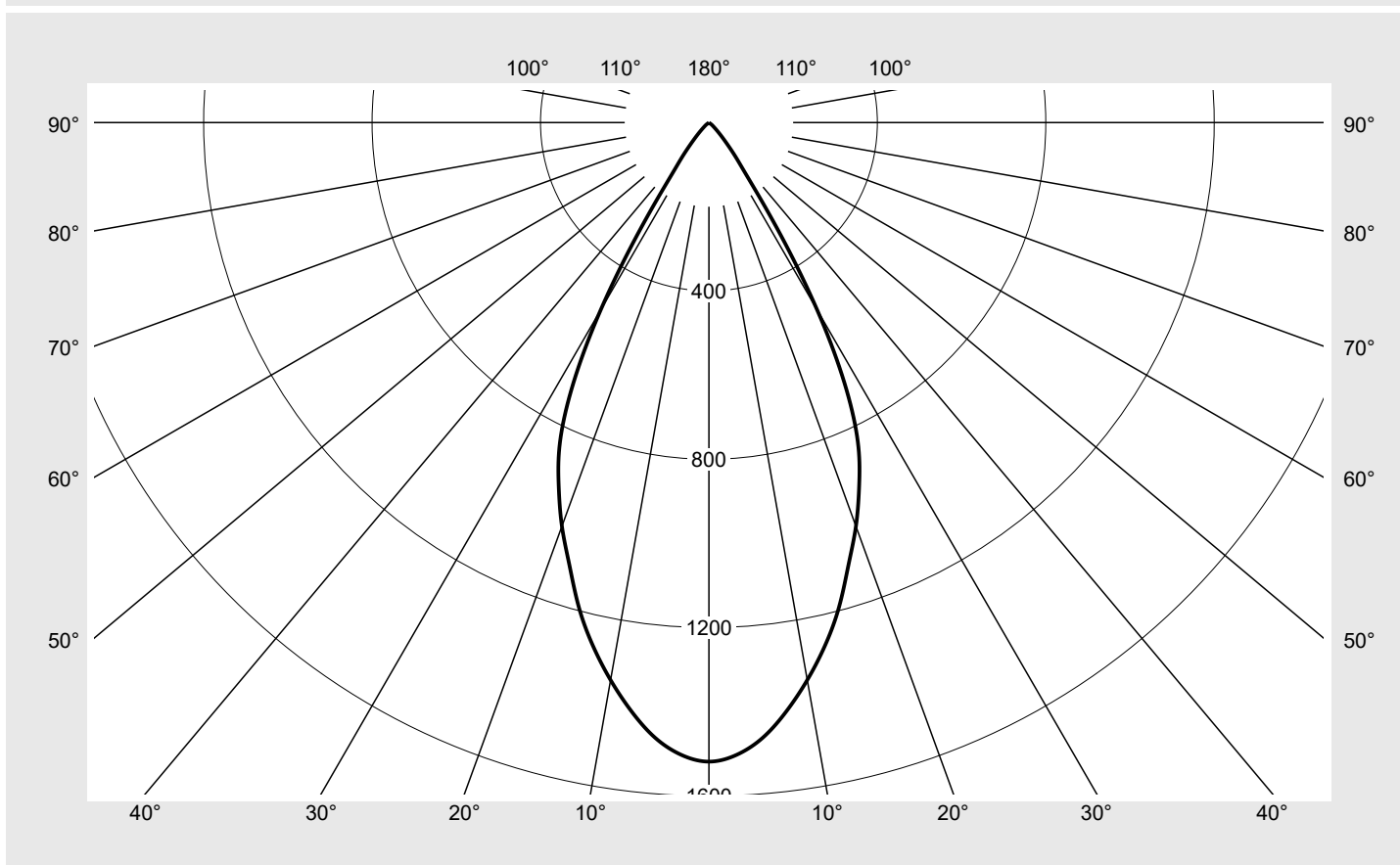
Seriendokumentation
11.05.2026

sitEco

Lichtstärke in cd/klm

C180-0

Imax: 1518 cd/klm



Klassifizierungen

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

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
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| Wertetabelle Lichtstärkemessung | Maximale Lichtstärke | sITeco |
|--|-----------------------------|---------------|

| C- Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|--------------|-----------------------|----------------------|-------------------|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 0,0° | 1518.5 | 2.3 | 2.3 |
| 2,5° | 1503.9 | 18.0 | 20.3 |
| 5,0° | 1467.3 | 35.1 | 55.3 |
| 7,5° | 1410.8 | 50.5 | 105.8 |
| 10,0° | 1345.0 | 64.0 | 169.8 |
| 12,5° | 1273.2 | 75.5 | 245.4 |
| 15,0° | 1192.8 | 84.6 | 330.0 |
| 17,5° | 1102.1 | 90.9 | 420.8 |
| 20,0° | 1020.8 | 95.7 | 516.6 |
| 22,5° | 932.5 | 97.8 | 614.4 |
| 25,0° | 836.7 | 96.9 | 711.3 |
| 27,5° | 696.4 | 88.2 | 799.5 |
| 30,0° | 514.1 | 70.5 | 869.9 |
| 32,5° | 318.7 | 46.9 | 916.9 |
| 35,0° | 172.5 | 27.1 | 944.0 |
| 37,5° | 109.8 | 18.3 | 962.3 |
| 40,0° | 70.5 | 12.4 | 974.8 |
| 42,5° | 44.6 | 8.3 | 983.0 |
| 45,0° | 28.1 | 5.4 | 988.5 |
| 47,5° | 17.7 | 3.6 | 992.0 |
| 50,0° | 11.6 | 2.4 | 994.5 |
| 52,5° | 7.9 | 1.7 | 996.2 |
| 55,0° | 5.3 | 1.2 | 997.4 |
| 57,5° | 3.6 | 0.8 | 998.2 |
| 60,0° | 2.5 | 0.6 | 998.8 |
| 62,5° | 1.8 | 0.4 | 999.3 |
| 65,0° | 1.2 | 0.3 | 999.6 |
| 67,5° | 0.8 | 0.2 | 999.8 |
| 70,0° | 0.5 | 0.1 | 999.9 |
| 72,5° | 0.3 | 0.1 | 1000.0 |
| 75,0° | 0.1 | 0.0 | 1000.0 |
| 77,5° | 0.0 | 0.0 | 1000.0 |
| 80,0° | 0.0 | 0.0 | 1000.0 |
| 82,5° | 0.0 | 0.0 | 1000.0 |
| 85,0° | 0.0 | 0.0 | 1000.0 |
| 87,5° | 0.0 | 0.0 | 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 | 19,0 | 20,1 | 19,3 | 20,4 | 20,7 | 19,0 | 20,1 | 19,3 | 20,4 | 20,7 |
| | 3H | 18,8 | 19,8 | 19,2 | 20,1 | 20,5 | 18,8 | 19,8 | 19,2 | 20,1 | 20,5 |
| | 4H | 18,8 | 19,6 | 19,2 | 20,0 | 20,3 | 18,8 | 19,6 | 19,2 | 20,0 | 20,3 |
| | 6H | 18,7 | 19,4 | 19,1 | 19,8 | 20,2 | 18,7 | 19,4 | 19,1 | 19,8 | 20,2 |
| | 8H | 18,8 | 19,4 | 19,2 | 19,8 | 20,2 | 18,8 | 19,4 | 19,2 | 19,8 | 20,2 |
| | 12H | 18,7 | 19,3 | 19,2 | 19,7 | 20,1 | 18,7 | 19,3 | 19,2 | 19,7 | 20,1 |
| 4H | 2H | 18,8 | 19,6 | 19,2 | 20,0 | 20,4 | 18,8 | 19,6 | 19,2 | 20,0 | 20,4 |
| | 3H | 18,6 | 19,3 | 19,0 | 19,7 | 20,1 | 18,6 | 19,3 | 19,0 | 19,7 | 20,1 |
| | 4H | 18,5 | 19,1 | 18,9 | 19,5 | 19,9 | 18,5 | 19,1 | 18,9 | 19,5 | 19,9 |
| | 6H | 18,3 | 18,9 | 18,8 | 19,3 | 19,8 | 18,3 | 18,9 | 18,8 | 19,3 | 19,8 |
| | 8H | 18,3 | 18,8 | 18,8 | 19,2 | 19,7 | 18,3 | 18,8 | 18,8 | 19,2 | 19,7 |
| | 12H | 18,3 | 18,7 | 18,8 | 19,1 | 19,6 | 18,3 | 18,7 | 18,8 | 19,1 | 19,6 |
| 8H | 4H | 18,3 | 18,8 | 18,8 | 19,2 | 19,7 | 18,3 | 18,8 | 18,8 | 19,2 | 19,7 |
| | 6H | 18,2 | 18,6 | 18,7 | 19,0 | 19,6 | 18,2 | 18,6 | 18,7 | 19,0 | 19,6 |
| | 8H | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 |
| | 12H | 18,1 | 18,3 | 18,6 | 18,8 | 19,4 | 18,1 | 18,3 | 18,6 | 18,8 | 19,4 |
| 12H | 4H | 18,3 | 18,7 | 18,8 | 19,1 | 19,6 | 18,3 | 18,7 | 18,8 | 19,1 | 19,6 |
| | 6H | 18,2 | 18,4 | 18,7 | 18,9 | 19,5 | 18,2 | 18,4 | 18,7 | 18,9 | 19,5 |
| | 8H | 18,1 | 18,3 | 18,6 | 18,8 | 19,4 | 18,1 | 18,3 | 18,6 | 18,8 | 19,4 |

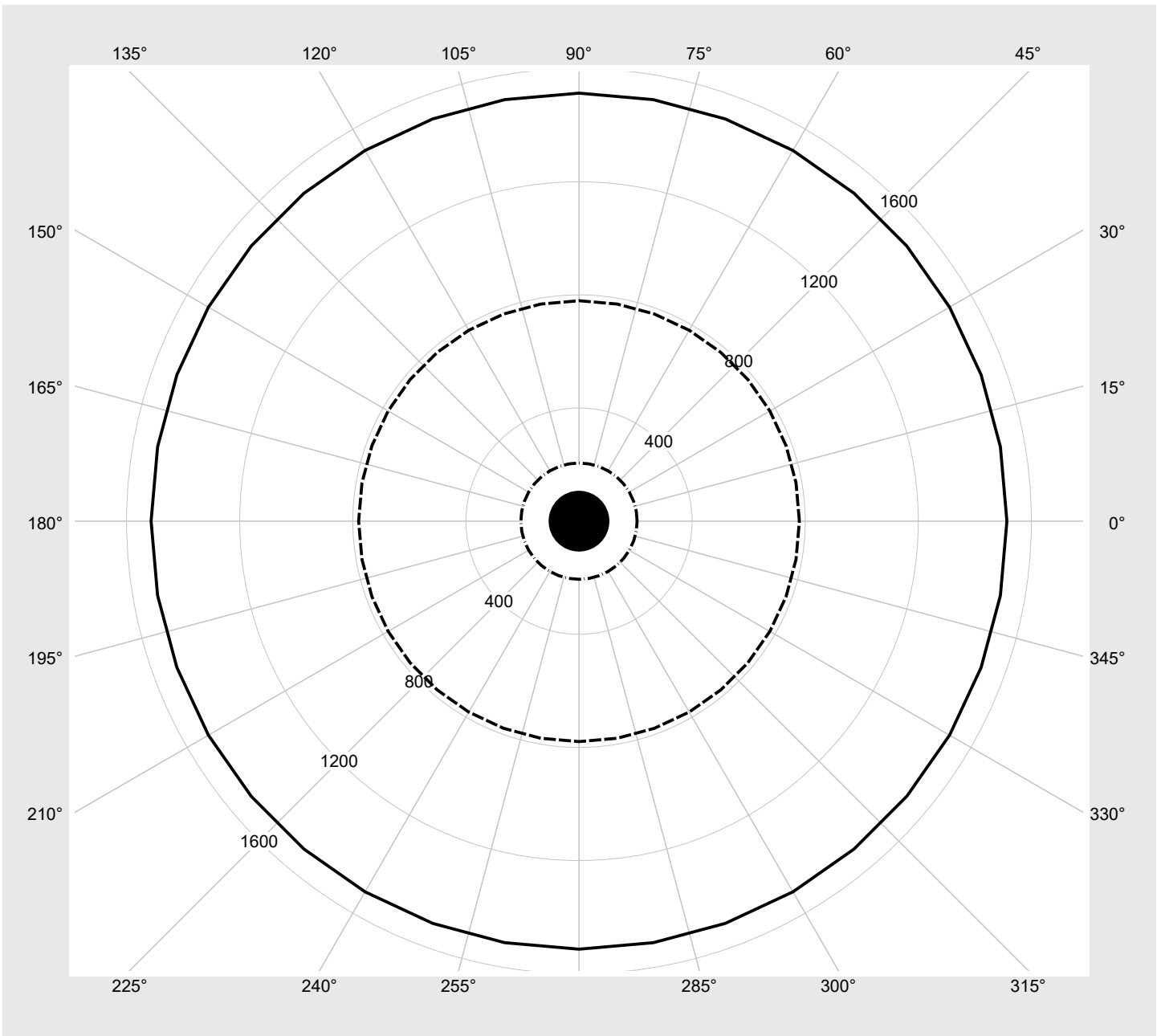
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 82

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 21112.8 |
| 50,0° | 9622.3 |
| 55,0° | 4926.9 |
| 60,0° | 2665.8 |
| 65,0° | 1513.4 |
| 70,0° | 779.4 |
| 75,0° | 205.6 |
| 80,0° | 0.0 |
| 85,0° | 0.0 |

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen-Tabelle

Umgebungstemperatur: 25°C

sITeco

| DIP-Stufe | Schalterstellung | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|--------------------|--------------------|
| | 1 | 2 | 3 | | |
| 0 | OFF | OFF | OFF | 3790 | 26.5 |
| 1 | ON | OFF | OFF | 3550 | 24.5 |
| 2 | OFF | ON | OFF | 3310 | 22.5 |
| 3 | ON | ON | OFF | 3070 | 20.5 |
| 4 | OFF | OFF | ON | 2810 | 18.5 |
| 5 | ON | OFF | ON | 2550 | 16.6 |
| 6 | OFF | ON | ON | 2290 | 14.8 |
| 7 | ON | ON | ON | 2020 | 12.9 |