

Lichttechnischer Prüfbefund

Familie
Spot 21 Standard

Bestell-Nr.: 51SE33DB11D2C
EAN: 4069025447487

LP-Nummer
59933_33



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

Bestückung LED 4000 K | CRI ≥ 90

Betriebsgerät EVG-DALI-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=7

Bemessungswerte Nettolichtstrom = 2890 lm
Systemleistung = 19.8 W
Lichtausbeute = 146 lm/W

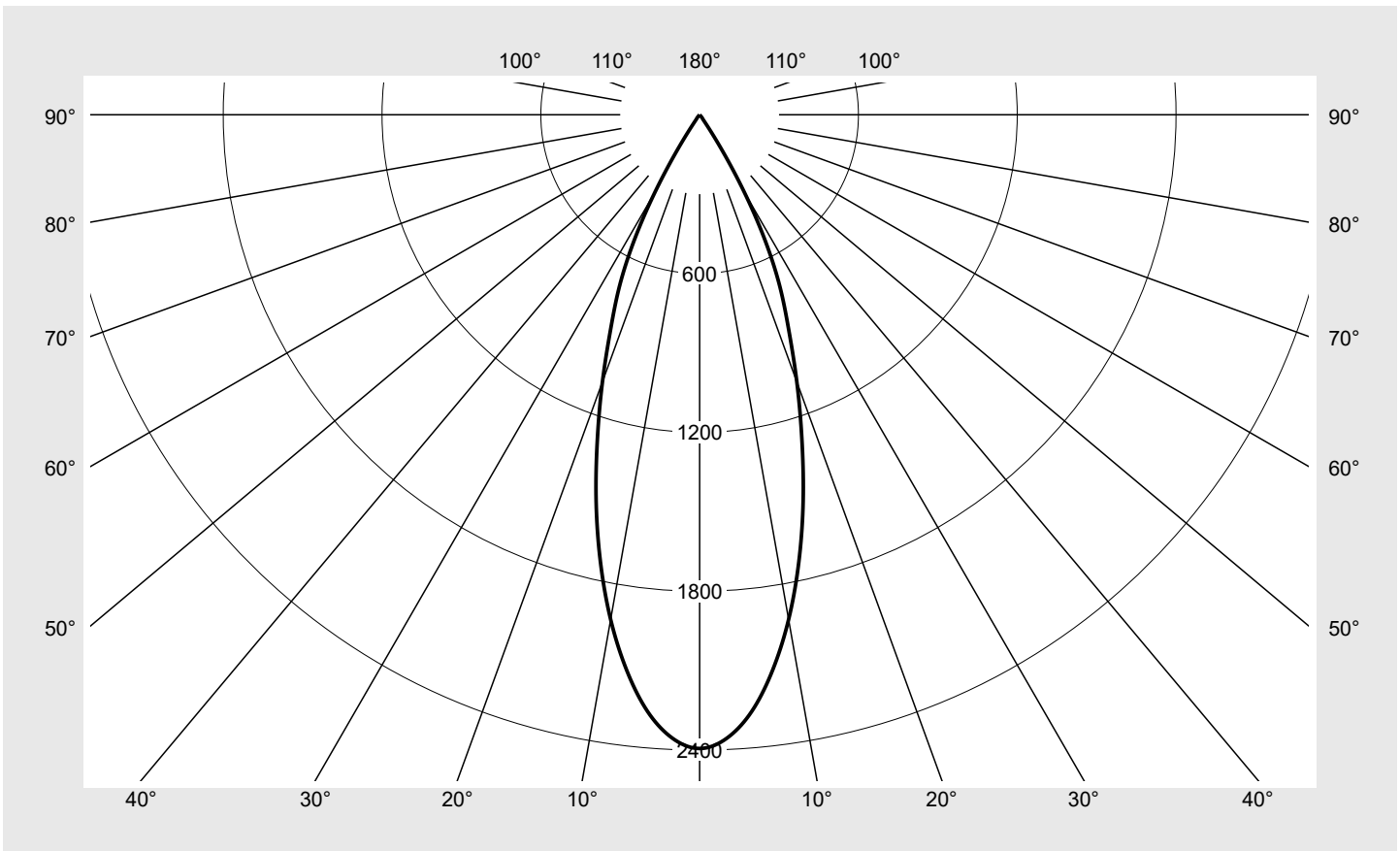
Seriendokumentation
11.05.2026

sitEco

Lichtstärke in cd/klm

C180-0

Imax: 2394 cd/klm



Klassifizierungen

DIN 5040 A 8 0
CIE N1=99 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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| Wertetabelle Lichtstärkemessung | Maximale Lichtstärke | sITeco |
|--|-----------------------------|---------------|

| C- Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|--------------|-----------------------|----------------------|-------------------|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 0,0° | 2394.0 | 3.6 | 3.6 |
| 2,5° | 2357.4 | 28.2 | 31.8 |
| 5,0° | 2262.2 | 54.0 | 85.8 |
| 7,5° | 2115.3 | 75.7 | 161.5 |
| 10,0° | 1936.2 | 92.2 | 253.7 |
| 12,5° | 1731.2 | 102.7 | 356.4 |
| 15,0° | 1511.2 | 107.2 | 463.6 |
| 17,5° | 1284.7 | 105.9 | 569.5 |
| 20,0° | 1073.6 | 100.7 | 670.2 |
| 22,5° | 880.1 | 92.3 | 762.5 |
| 25,0° | 718.6 | 83.3 | 845.8 |
| 27,5° | 537.0 | 68.0 | 913.7 |
| 30,0° | 335.8 | 46.0 | 959.8 |
| 32,5° | 147.9 | 21.8 | 981.5 |
| 35,0° | 37.2 | 5.9 | 987.4 |
| 37,5° | 18.1 | 3.0 | 990.4 |
| 40,0° | 12.3 | 2.2 | 992.6 |
| 42,5° | 9.0 | 1.7 | 994.3 |
| 45,0° | 6.5 | 1.3 | 995.5 |
| 47,5° | 4.7 | 1.0 | 996.5 |
| 50,0° | 3.6 | 0.8 | 997.2 |
| 52,5° | 2.8 | 0.6 | 997.8 |
| 55,0° | 2.2 | 0.5 | 998.3 |
| 57,5° | 1.8 | 0.4 | 998.8 |
| 60,0° | 1.4 | 0.3 | 999.1 |
| 62,5° | 1.1 | 0.3 | 999.4 |
| 65,0° | 0.9 | 0.2 | 999.6 |
| 67,5° | 0.7 | 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 | 12,9 | 13,9 | 13,3 | 14,3 | 14,6 | 12,9 | 13,9 | 13,3 | 14,3 | 14,6 |
| | 3H | 12,8 | 13,7 | 13,2 | 14,0 | 14,3 | 12,8 | 13,7 | 13,2 | 14,0 | 14,3 |
| | 4H | 12,7 | 13,5 | 13,1 | 13,8 | 14,2 | 12,7 | 13,5 | 13,1 | 13,8 | 14,2 |
| | 6H | 12,6 | 13,3 | 13,0 | 13,7 | 14,1 | 12,6 | 13,3 | 13,0 | 13,7 | 14,1 |
| | 8H | 12,7 | 13,2 | 13,2 | 13,6 | 14,0 | 12,7 | 13,2 | 13,2 | 13,6 | 14,0 |
| | 12H | 12,7 | 13,1 | 13,1 | 13,5 | 13,9 | 12,7 | 13,1 | 13,1 | 13,5 | 13,9 |
| 4H | 2H | 12,7 | 13,5 | 13,1 | 13,8 | 14,2 | 12,7 | 13,5 | 13,1 | 13,8 | 14,2 |
| | 3H | 12,5 | 13,1 | 12,9 | 13,5 | 14,0 | 12,5 | 13,1 | 12,9 | 13,5 | 14,0 |
| | 4H | 12,4 | 13,0 | 12,8 | 13,4 | 13,8 | 12,4 | 13,0 | 12,8 | 13,4 | 13,8 |
| | 6H | 12,2 | 12,7 | 12,7 | 13,2 | 13,7 | 12,2 | 12,7 | 12,7 | 13,2 | 13,7 |
| | 8H | 12,2 | 12,6 | 12,7 | 13,1 | 13,6 | 12,2 | 12,6 | 12,7 | 13,1 | 13,6 |
| | 12H | 12,2 | 12,5 | 12,7 | 13,0 | 13,5 | 12,2 | 12,5 | 12,7 | 13,0 | 13,5 |
| 8H | 4H | 12,2 | 12,6 | 12,7 | 13,1 | 13,6 | 12,2 | 12,6 | 12,7 | 13,1 | 13,6 |
| | 6H | 12,1 | 12,4 | 12,6 | 12,9 | 13,4 | 12,1 | 12,4 | 12,6 | 12,9 | 13,4 |
| | 8H | 12,0 | 12,3 | 12,5 | 12,8 | 13,3 | 12,0 | 12,3 | 12,5 | 12,8 | 13,3 |
| | 12H | 12,0 | 12,2 | 12,5 | 12,7 | 13,3 | 12,0 | 12,2 | 12,5 | 12,7 | 13,3 |
| 12H | 4H | 12,2 | 12,5 | 12,7 | 13,0 | 13,5 | 12,2 | 12,5 | 12,7 | 13,0 | 13,5 |
| | 6H | 12,1 | 12,3 | 12,6 | 12,8 | 13,3 | 12,1 | 12,3 | 12,6 | 12,8 | 13,3 |
| | 8H | 12,0 | 12,2 | 12,5 | 12,7 | 13,3 | 12,0 | 12,2 | 12,5 | 12,7 | 13,3 |

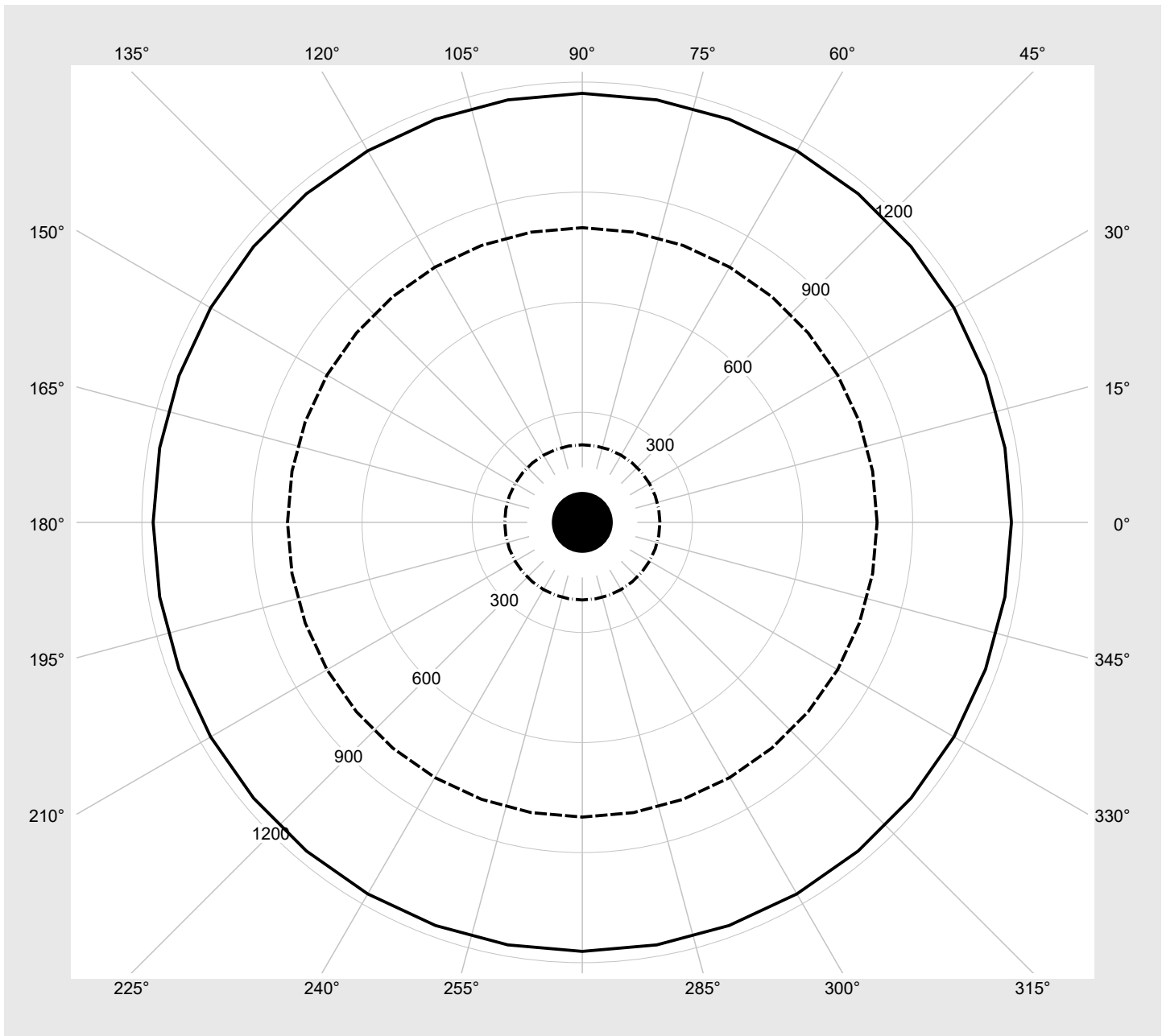
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 82

| C-Ebenen | 0° |
|----------|---------------------------------|
| γ | Leuchtdichte in cd/m^2 |
| 45,0° | 5047.5 |
| 50,0° | 3075.1 |
| 55,0° | 2105.7 |
| 60,0° | 1537.8 |
| 65,0° | 1169.3 |
| 70,0° | 803.2 |
| 75,0° | 211.4 |
| 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 | 4 | | |
| 11 | ON | OFF | ON | ON | 3890 | 28.1 |
| 10 | ON | OFF | ON | OFF | 3650 | 25.9 |
| 9 | ON | OFF | OFF | ON | 3400 | 23.8 |
| 8 | ON | OFF | OFF | OFF | 3150 | 21.7 |
| 7 | OFF | ON | ON | ON | 2890 | 19.8 |
| 6 | OFF | ON | ON | OFF | 2620 | 17.7 |
| 5 | OFF | ON | OFF | ON | 2350 | 15.7 |
| 4 | OFF | ON | OFF | OFF | 2070 | 13.8 |
| 3 | OFF | OFF | ON | ON | 1790 | 11.7 |
| 2 | OFF | OFF | ON | OFF | 1500 | 9.9 |
| 1 | OFF | OFF | OFF | ON | 1210 | 8.1 |
| 0 | OFF | OFF | OFF | OFF | 900 | 6.2 |