

Lichttechnischer Prüfbefund

Familie
Spot 21 Performance
Bestell-Nr.: 51SD34DB11D3B
EAN: 4069025538901
LP-Nummer
59946_12


| | |
|------------------------|--|
| Ausführung | Gehäuse, schwarz, Reflektor, Abdeckglas, klar, breit strahlend |
| Bestückung | LED 4000 K CRI ≥ 90 |
| Betriebsgerät | EVG-DALI-Multilumen |
| Einstellung | Werkseinstellung: DIP-Stufe=7 |
| Bemessungswerte | Nettolichtstrom = 3040 lm Systemleistung = 20.4 W Lichtausbeute = 149 lm/W |

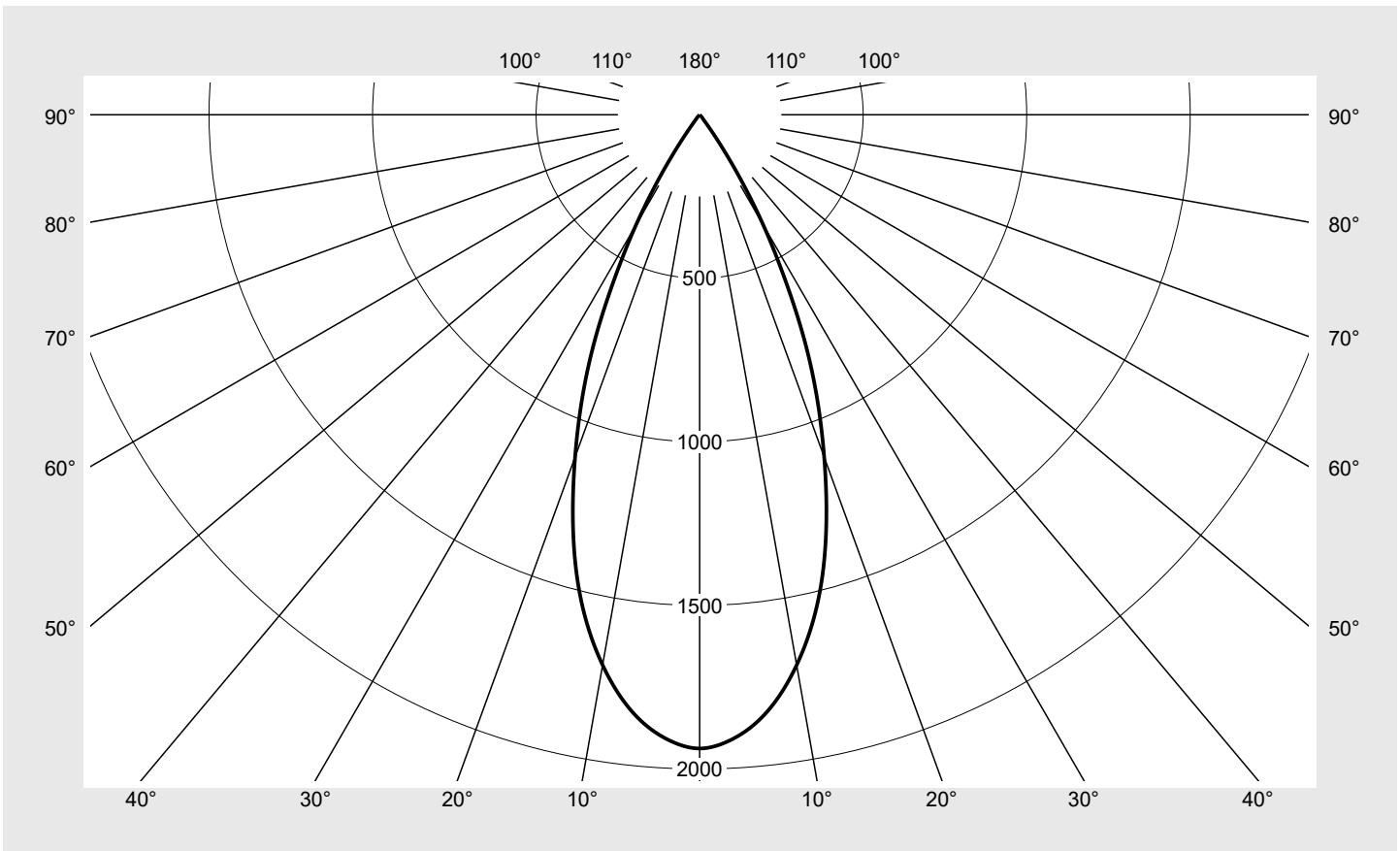
Seriendokumentation
 11.05.2026

sitEco

Lichtstärke in cd/klm

C180-0

Imax: 1937 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° | 1937.4 | 2.9 | 2.9 |
| 2,5° | 1918.5 | 22.9 | 25.8 |
| 5,0° | 1874.2 | 44.8 | 70.6 |
| 7,5° | 1803.7 | 64.5 | 135.2 |
| 10,0° | 1708.3 | 81.3 | 216.5 |
| 12,5° | 1592.6 | 94.5 | 311.0 |
| 15,0° | 1453.4 | 103.1 | 414.1 |
| 17,5° | 1289.1 | 106.3 | 520.4 |
| 20,0° | 1113.4 | 104.4 | 624.7 |
| 22,5° | 938.6 | 98.5 | 723.2 |
| 25,0° | 755.5 | 87.5 | 810.7 |
| 27,5° | 560.7 | 71.0 | 881.7 |
| 30,0° | 388.9 | 53.3 | 935.0 |
| 32,5° | 229.8 | 33.8 | 968.9 |
| 35,0° | 101.6 | 16.0 | 984.8 |
| 37,5° | 29.4 | 4.9 | 989.7 |
| 40,0° | 14.2 | 2.5 | 992.2 |
| 42,5° | 9.4 | 1.7 | 994.0 |
| 45,0° | 6.8 | 1.3 | 995.3 |
| 47,5° | 5.0 | 1.0 | 996.3 |
| 50,0° | 3.8 | 0.8 | 997.1 |
| 52,5° | 2.9 | 0.6 | 997.8 |
| 55,0° | 2.3 | 0.5 | 998.3 |
| 57,5° | 1.9 | 0.4 | 998.7 |
| 60,0° | 1.5 | 0.4 | 999.1 |
| 62,5° | 1.2 | 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 | 16,3 | 17,3 | 16,7 | 17,6 | 17,9 | 16,3 | 17,3 | 16,7 | 17,6 | 17,9 |
| | 3H | 16,1 | 17,0 | 16,5 | 17,4 | 17,7 | 16,1 | 17,0 | 16,5 | 17,4 | 17,7 |
| | 4H | 16,0 | 16,8 | 16,4 | 17,2 | 17,6 | 16,0 | 16,8 | 16,4 | 17,2 | 17,6 |
| | 6H | 16,0 | 16,7 | 16,4 | 17,0 | 17,4 | 16,0 | 16,7 | 16,4 | 17,0 | 17,4 |
| | 8H | 16,1 | 16,6 | 16,5 | 17,0 | 17,4 | 16,1 | 16,6 | 16,5 | 17,0 | 17,4 |
| | 12H | 16,0 | 16,5 | 16,5 | 16,9 | 17,3 | 16,0 | 16,5 | 16,5 | 16,9 | 17,3 |
| 4H | 2H | 16,0 | 16,8 | 16,4 | 17,2 | 17,6 | 16,0 | 16,8 | 16,4 | 17,2 | 17,6 |
| | 3H | 15,8 | 16,5 | 16,3 | 16,9 | 17,3 | 15,8 | 16,5 | 16,3 | 16,9 | 17,3 |
| | 4H | 15,7 | 16,3 | 16,2 | 16,7 | 17,2 | 15,7 | 16,3 | 16,2 | 16,7 | 17,2 |
| | 6H | 15,6 | 16,1 | 16,1 | 16,5 | 17,0 | 15,6 | 16,1 | 16,1 | 16,5 | 17,0 |
| | 8H | 15,6 | 16,0 | 16,1 | 16,5 | 16,9 | 15,6 | 16,0 | 16,1 | 16,5 | 16,9 |
| | 12H | 15,6 | 15,9 | 16,1 | 16,4 | 16,9 | 15,6 | 15,9 | 16,1 | 16,4 | 16,9 |
| 8H | 4H | 15,6 | 16,0 | 16,1 | 16,5 | 16,9 | 15,6 | 16,0 | 16,1 | 16,5 | 16,9 |
| | 6H | 15,5 | 15,8 | 16,0 | 16,3 | 16,8 | 15,5 | 15,8 | 16,0 | 16,3 | 16,8 |
| | 8H | 15,4 | 15,7 | 15,9 | 16,2 | 16,7 | 15,4 | 15,7 | 15,9 | 16,2 | 16,7 |
| | 12H | 15,3 | 15,6 | 15,9 | 16,1 | 16,6 | 15,3 | 15,6 | 15,9 | 16,1 | 16,6 |
| 12H | 4H | 15,6 | 15,9 | 16,1 | 16,4 | 16,9 | 15,6 | 15,9 | 16,1 | 16,4 | 16,9 |
| | 6H | 15,4 | 15,7 | 15,9 | 16,2 | 16,7 | 15,4 | 15,7 | 15,9 | 16,2 | 16,7 |
| | 8H | 15,3 | 15,6 | 15,9 | 16,1 | 16,6 | 15,3 | 15,6 | 15,9 | 16,1 | 16,6 |

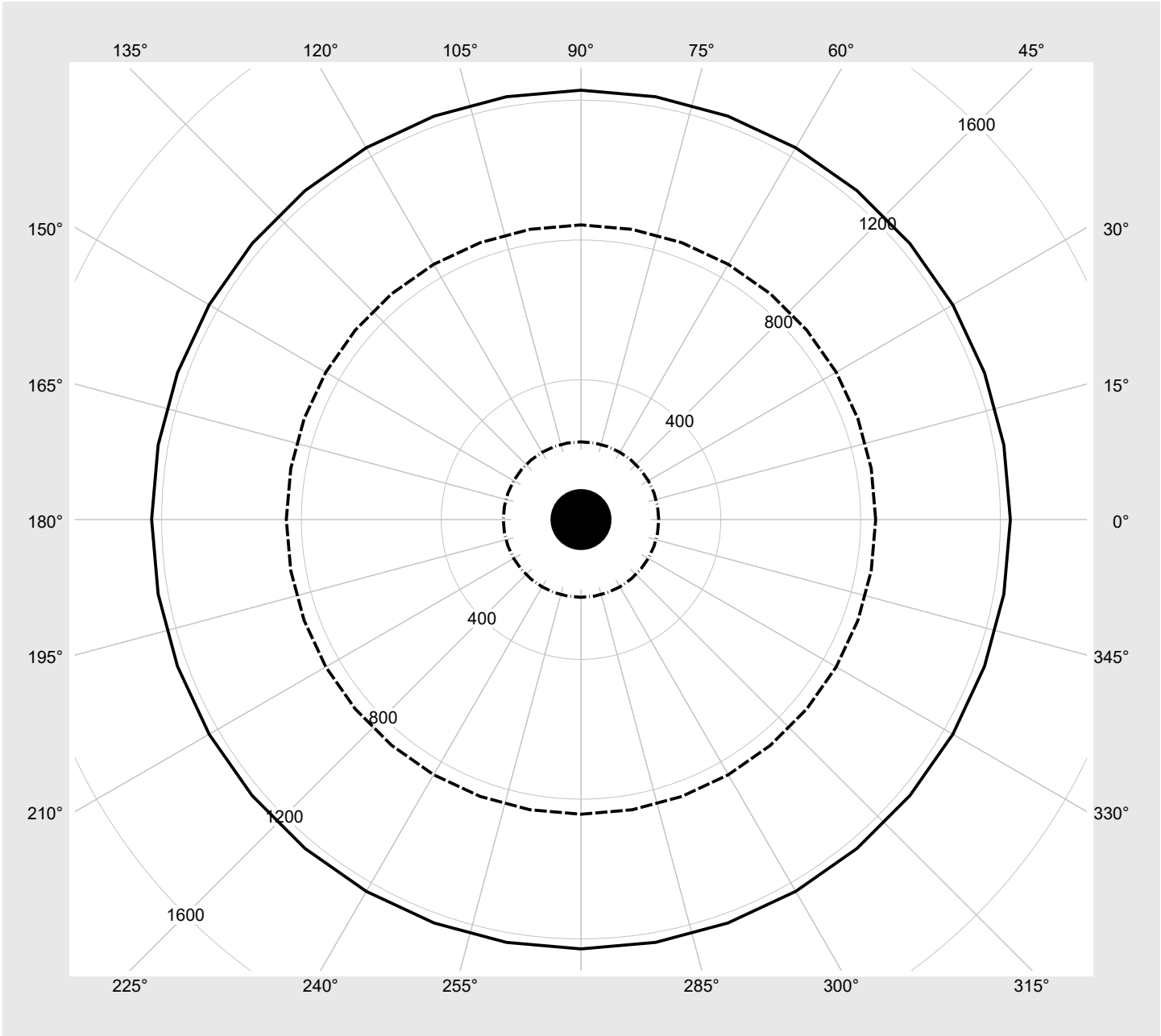
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 82

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 5550.4 |
| 50,0° | 3412.0 |
| 55,0° | 2314.3 |
| 60,0° | 1731.5 |
| 65,0° | 1228.6 |
| 70,0° | 843.2 |
| 75,0° | 222.4 |
| 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



| DIP-Stufe | Schalterstellung | | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|-----|--------------------|--------------------|
| | 1 | 2 | 3 | 4 | | |
| 11 | ON | OFF | ON | ON | 4170 | 28.6 |
| 10 | ON | OFF | ON | OFF | 3890 | 26.4 |
| 9 | ON | OFF | OFF | ON | 3610 | 24.4 |
| 8 | ON | OFF | OFF | OFF | 3330 | 22.3 |
| 7 | OFF | ON | ON | ON | 3040 | 20.4 |
| 6 | OFF | ON | ON | OFF | 2750 | 18.3 |
| 5 | OFF | ON | OFF | ON | 2450 | 16.2 |
| 4 | OFF | ON | OFF | OFF | 2160 | 14.3 |
| 3 | OFF | OFF | ON | ON | 1850 | 12.2 |
| 2 | OFF | OFF | ON | OFF | 1550 | 10.4 |
| 1 | OFF | OFF | OFF | ON | 1240 | 8.5 |
| 0 | OFF | OFF | OFF | OFF | 920 | 6.6 |