

Lichttechnischer Prüfbefund

Familie
Spot 11

Bestell-Nr.: 51SD33DB11D3B
EAN: 4069025538710

LP-Nummer
59945_6



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 = 3030 lm
 Systemleistung = 20.4 W
 Lichtausbeute = 148.5 lm/W

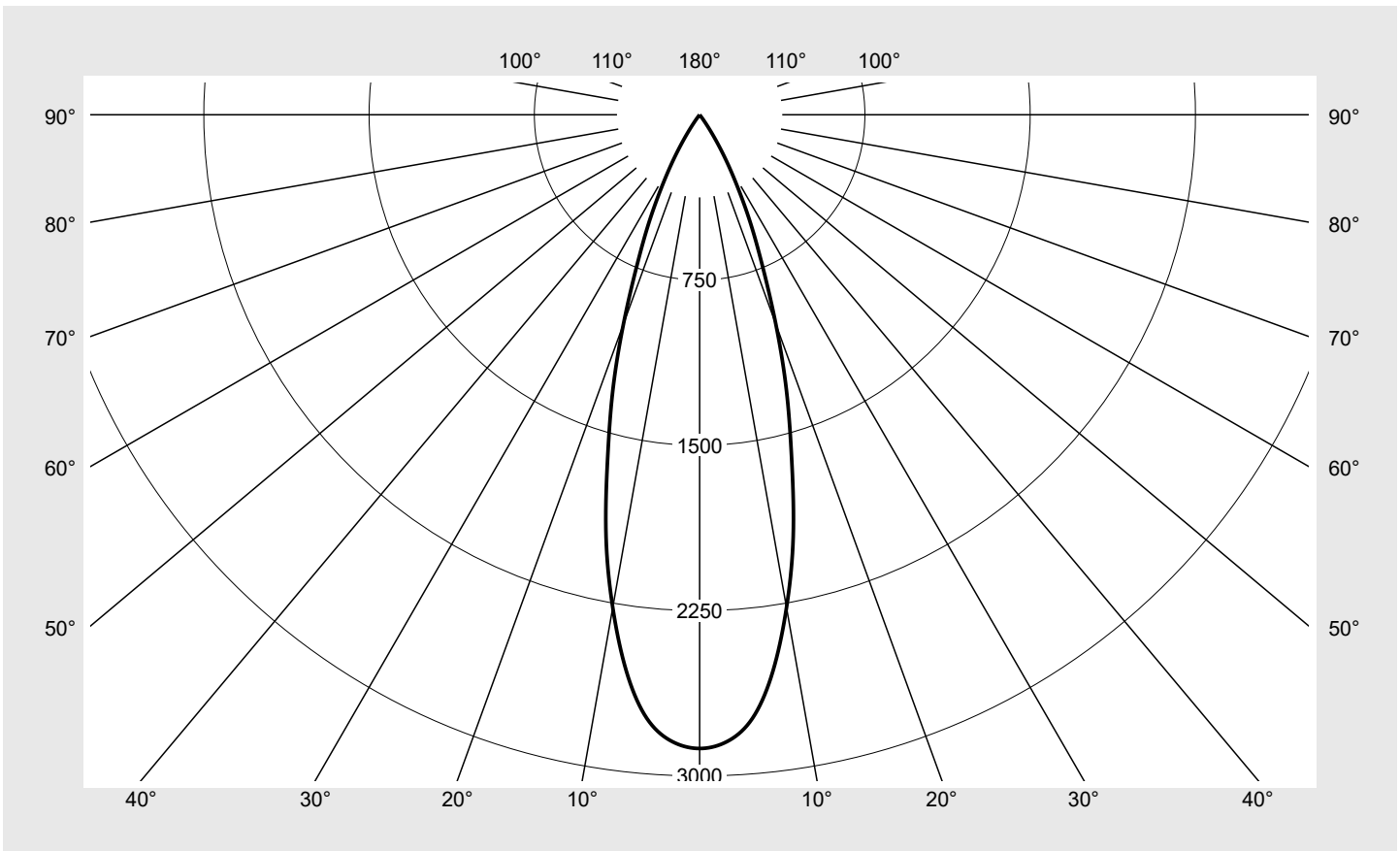
Seriendokumentation
14.01.2026

sitEco

Lichtstärke in cd/klm

C180-0

Imax: 2875 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° | 2875.4 | 4.3 | 4.3 |
| 2,5° | 2846.8 | 34.0 | 38.3 |
| 5,0° | 2749.2 | 65.7 | 104.0 |
| 7,5° | 2546.8 | 91.1 | 195.2 |
| 10,0° | 2270.6 | 108.1 | 303.2 |
| 12,5° | 1962.1 | 116.4 | 419.7 |
| 15,0° | 1613.1 | 114.4 | 534.1 |
| 17,5° | 1309.8 | 108.0 | 642.1 |
| 20,0° | 1010.8 | 94.8 | 736.9 |
| 22,5° | 749.1 | 78.6 | 815.4 |
| 25,0° | 553.8 | 64.2 | 879.6 |
| 27,5° | 382.5 | 48.4 | 928.0 |
| 30,0° | 247.7 | 34.0 | 962.0 |
| 32,5° | 136.4 | 20.1 | 982.0 |
| 35,0° | 55.9 | 8.8 | 990.8 |
| 37,5° | 13.7 | 2.3 | 993.1 |
| 40,0° | 8.1 | 1.4 | 994.5 |
| 42,5° | 5.6 | 1.0 | 995.6 |
| 45,0° | 4.1 | 0.8 | 996.4 |
| 47,5° | 3.1 | 0.6 | 997.0 |
| 50,0° | 2.4 | 0.5 | 997.5 |
| 52,5° | 2.0 | 0.4 | 998.0 |
| 55,0° | 1.8 | 0.4 | 998.4 |
| 57,5° | 1.7 | 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 | 12,7 | 13,7 | 13,1 | 14,0 | 14,3 | 12,7 | 13,7 | 13,1 | 14,0 | 14,3 |
| | 3H | 12,5 | 13,4 | 12,9 | 13,7 | 14,1 | 12,5 | 13,4 | 12,9 | 13,7 | 14,1 |
| | 4H | 12,4 | 13,2 | 12,8 | 13,5 | 13,9 | 12,4 | 13,2 | 12,8 | 13,5 | 13,9 |
| | 6H | 12,4 | 13,0 | 12,8 | 13,4 | 13,8 | 12,4 | 13,0 | 12,8 | 13,4 | 13,8 |
| | 8H | 12,5 | 12,9 | 12,9 | 13,3 | 13,7 | 12,5 | 12,9 | 12,9 | 13,3 | 13,7 |
| | 12H | 12,4 | 12,8 | 12,8 | 13,2 | 13,7 | 12,4 | 12,8 | 12,8 | 13,2 | 13,7 |
| 4H | 2H | 12,4 | 13,2 | 12,8 | 13,5 | 13,9 | 12,4 | 13,2 | 12,8 | 13,5 | 13,9 |
| | 3H | 12,2 | 12,9 | 12,7 | 13,3 | 13,7 | 12,2 | 12,9 | 12,7 | 13,3 | 13,7 |
| | 4H | 12,1 | 12,7 | 12,6 | 13,1 | 13,5 | 12,1 | 12,7 | 12,6 | 13,1 | 13,5 |
| | 6H | 12,0 | 12,5 | 12,5 | 12,9 | 13,4 | 12,0 | 12,5 | 12,5 | 12,9 | 13,4 |
| | 8H | 12,0 | 12,4 | 12,5 | 12,8 | 13,3 | 12,0 | 12,4 | 12,5 | 12,8 | 13,3 |
| | 12H | 11,9 | 12,2 | 12,4 | 12,7 | 13,2 | 11,9 | 12,2 | 12,4 | 12,7 | 13,2 |
| 8H | 4H | 12,0 | 12,4 | 12,5 | 12,8 | 13,3 | 12,0 | 12,4 | 12,5 | 12,8 | 13,3 |
| | 6H | 11,8 | 12,1 | 12,3 | 12,6 | 13,1 | 11,8 | 12,1 | 12,3 | 12,6 | 13,1 |
| | 8H | 11,8 | 12,0 | 12,3 | 12,5 | 13,1 | 11,8 | 12,0 | 12,3 | 12,5 | 13,1 |
| | 12H | 11,7 | 11,9 | 12,2 | 12,4 | 13,0 | 11,7 | 11,9 | 12,2 | 12,4 | 13,0 |
| 12H | 4H | 12,0 | 12,2 | 12,4 | 12,7 | 13,2 | 12,0 | 12,2 | 12,4 | 12,7 | 13,2 |
| | 6H | 11,8 | 12,0 | 12,3 | 12,5 | 13,1 | 11,8 | 12,0 | 12,3 | 12,5 | 13,1 |
| | 8H | 11,7 | 11,9 | 12,2 | 12,4 | 13,0 | 11,7 | 11,9 | 12,2 | 12,4 | 13,0 |

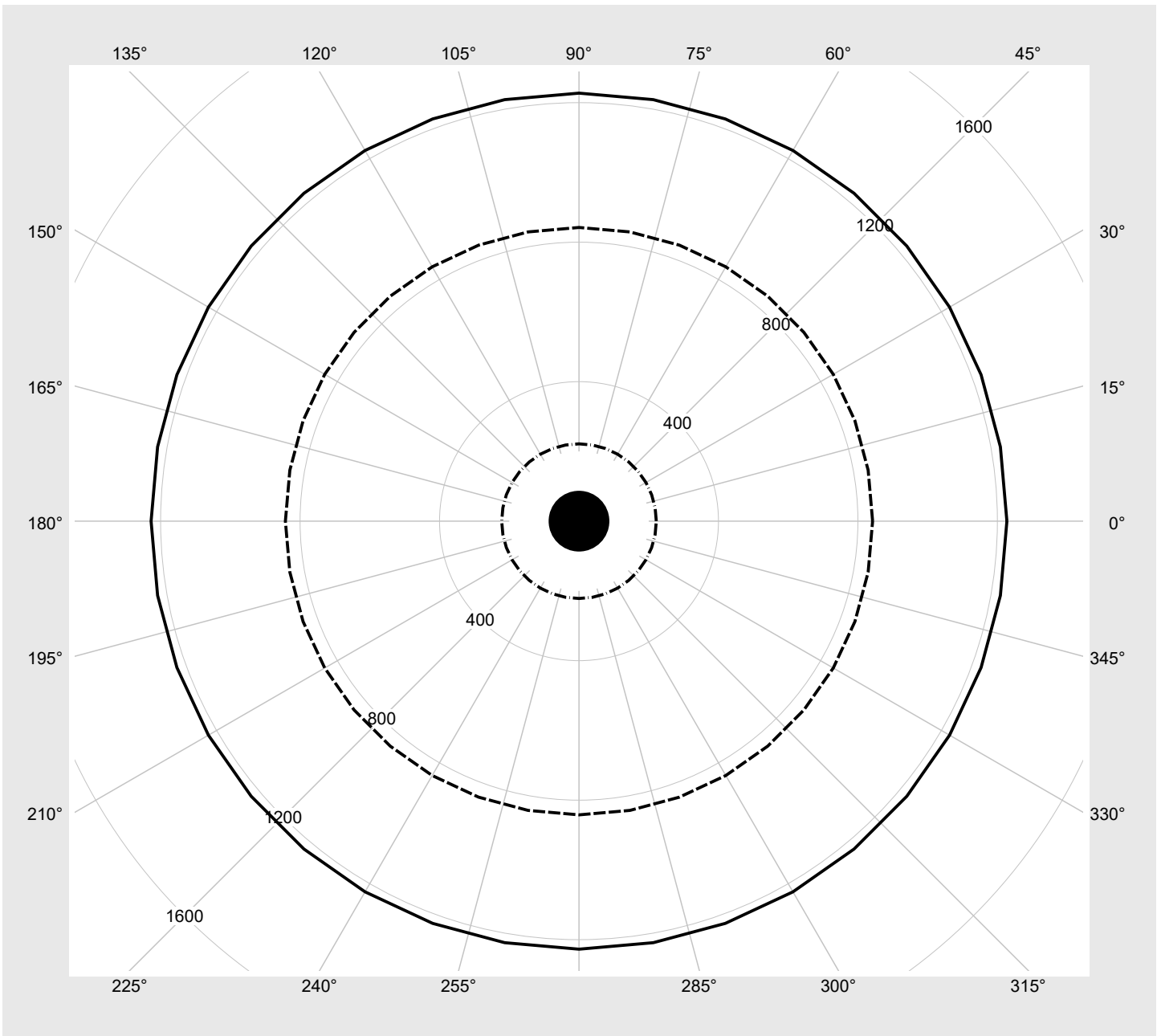
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 82

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 3340.6 |
| 50,0° | 2151.2 |
| 55,0° | 1807.6 |
| 60,0° | 1613.4 |
| 65,0° | 1227.3 |
| 70,0° | 842.1 |
| 75,0° | 221.7 |
| 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 | 4160 | 28.6 |
| 10 | ON | OFF | ON | OFF | 3880 | 26.4 |
| 9 | ON | OFF | OFF | ON | 3600 | 24.4 |
| 8 | ON | OFF | OFF | OFF | 3320 | 22.3 |
| 7 | OFF | ON | ON | ON | 3030 | 20.4 |
| 6 | OFF | ON | ON | OFF | 2740 | 18.3 |
| 5 | OFF | ON | OFF | ON | 2450 | 16.2 |
| 4 | OFF | ON | OFF | OFF | 2150 | 14.3 |
| 3 | OFF | OFF | ON | ON | 1850 | 12.2 |
| 2 | OFF | OFF | ON | OFF | 1540 | 10.4 |
| 1 | OFF | OFF | OFF | ON | 1230 | 8.5 |
| 0 | OFF | OFF | OFF | OFF | 920 | 6.6 |