

Lichttechnischer Prüfbefund

Familie
Spot 21

Bestell-Nr.: 51SE63DB11D2C
EAN: 4069025447975

LP-Nummer
59936_8



| | |
|------------------------|--|
| Ausführung | Gehäuse, weißaluminium, Reflektor, Abdeckglas, klar, medium strahlend |
| Bestückung | LED 4000 K CRI ≥ 90 |
| Betriebsgerät | EVG-DALI-Multilumen |
| Einstellung | Werkseinstellung: DIP-Stufe=7 |
| Bemessungswerte | Nettolichtstrom = 2900 lm Systemleistung = 19.8 W Lichtausbeute = 146.5 lm/W |

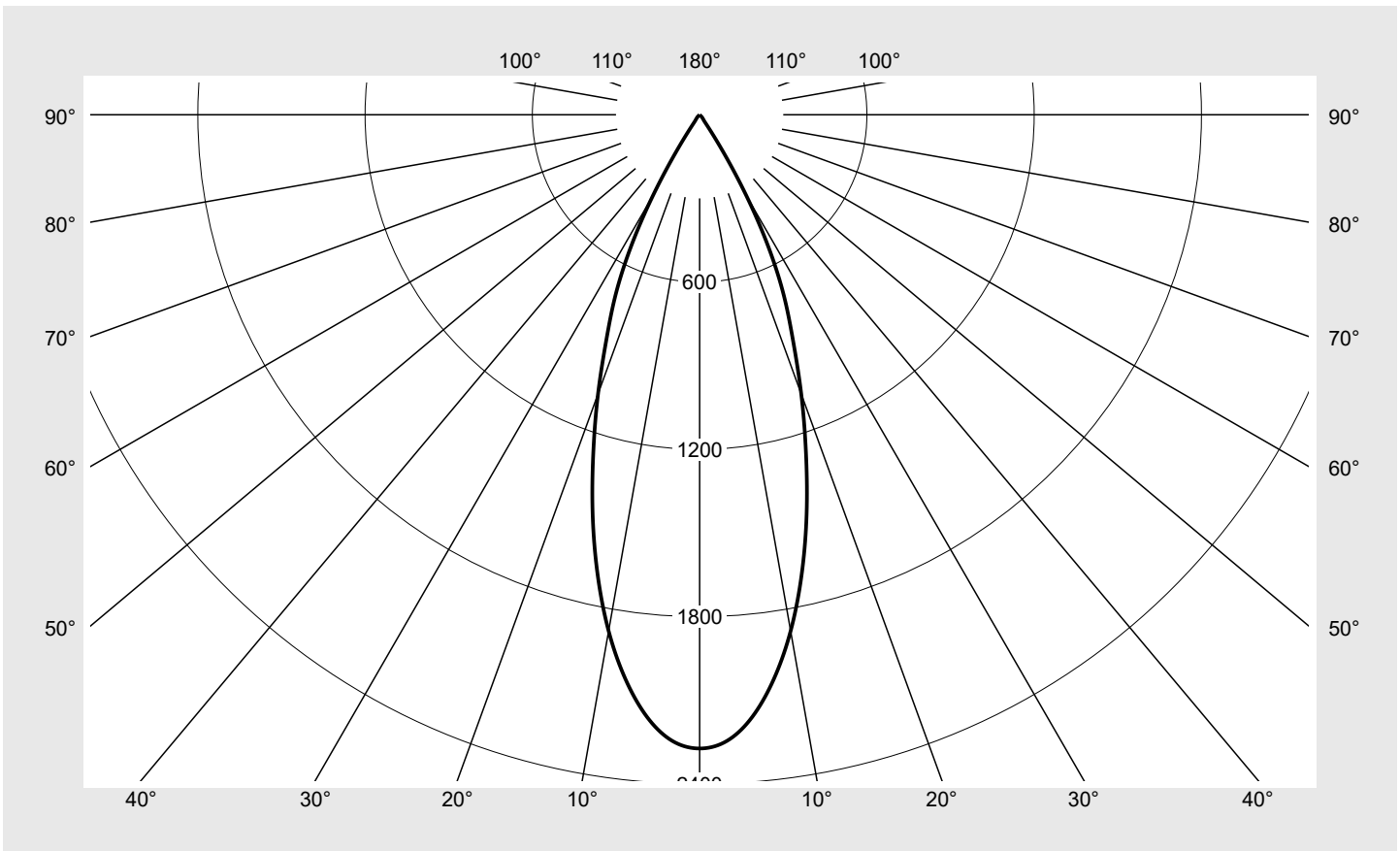
Seriendokumentation
14.01.2026

sitEco

Lichtstärke in cd/klm

C180-0

Imax: 2273 cd/klm



Klassifizierungen

DIN 5040 A 8 0
CIE N1=98 N2=99 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° | 2272.8 | 3.4 | 3.4 |
| 2,5° | 2247.7 | 26.9 | 30.3 |
| 5,0° | 2167.7 | 51.8 | 82.1 |
| 7,5° | 2040.8 | 73.0 | 155.1 |
| 10,0° | 1880.0 | 89.5 | 244.6 |
| 12,5° | 1690.1 | 100.3 | 344.9 |
| 15,0° | 1482.7 | 105.2 | 450.1 |
| 17,5° | 1267.9 | 104.5 | 554.6 |
| 20,0° | 1065.6 | 99.9 | 654.5 |
| 22,5° | 874.9 | 91.8 | 746.3 |
| 25,0° | 714.3 | 82.8 | 829.0 |
| 27,5° | 533.8 | 67.6 | 896.6 |
| 30,0° | 335.3 | 46.0 | 942.6 |
| 32,5° | 151.5 | 22.3 | 964.9 |
| 35,0° | 44.0 | 6.9 | 971.8 |
| 37,5° | 23.3 | 3.9 | 975.7 |
| 40,0° | 17.4 | 3.1 | 978.7 |
| 42,5° | 13.8 | 2.6 | 981.3 |
| 45,0° | 11.3 | 2.2 | 983.5 |
| 47,5° | 9.4 | 1.9 | 985.4 |
| 50,0° | 8.2 | 1.7 | 987.1 |
| 52,5° | 7.3 | 1.6 | 988.7 |
| 55,0° | 6.6 | 1.5 | 990.2 |
| 57,5° | 6.0 | 1.4 | 991.6 |
| 60,0° | 5.5 | 1.3 | 992.9 |
| 62,5° | 5.0 | 1.2 | 994.1 |
| 65,0° | 4.6 | 1.1 | 995.3 |
| 67,5° | 4.1 | 1.0 | 996.3 |
| 70,0° | 3.6 | 0.9 | 997.2 |
| 72,5° | 3.0 | 0.8 | 998.0 |
| 75,0° | 2.3 | 0.6 | 998.6 |
| 77,5° | 1.8 | 0.5 | 999.1 |
| 80,0° | 1.4 | 0.4 | 999.5 |
| 82,5° | 1.0 | 0.3 | 999.8 |
| 85,0° | 0.6 | 0.2 | 999.9 |
| 87,5° | 0.2 | 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 | 13,8 | 14,8 | 14,2 | 15,1 | 15,5 | 13,8 | 14,8 | 14,2 | 15,1 | 15,5 |
| | 3H | 14,1 | 15,0 | 14,5 | 15,3 | 15,7 | 14,1 | 15,0 | 14,5 | 15,3 | 15,7 |
| | 4H | 14,2 | 15,0 | 14,6 | 15,4 | 15,7 | 14,2 | 15,0 | 14,6 | 15,4 | 15,7 |
| | 6H | 14,3 | 15,0 | 14,7 | 15,4 | 15,8 | 14,3 | 15,0 | 14,7 | 15,4 | 15,8 |
| | 8H | 14,5 | 15,0 | 14,9 | 15,4 | 15,8 | 14,5 | 15,0 | 14,9 | 15,4 | 15,8 |
| | 12H | 14,5 | 14,9 | 14,9 | 15,3 | 15,7 | 14,5 | 14,9 | 14,9 | 15,3 | 15,7 |
| 4H | 2H | 13,8 | 14,6 | 14,2 | 14,9 | 15,3 | 13,8 | 14,6 | 14,2 | 14,9 | 15,3 |
| | 3H | 14,2 | 14,8 | 14,6 | 15,2 | 15,6 | 14,2 | 14,8 | 14,6 | 15,2 | 15,6 |
| | 4H | 14,3 | 14,9 | 14,8 | 15,3 | 15,8 | 14,3 | 14,9 | 14,8 | 15,3 | 15,8 |
| | 6H | 14,4 | 15,0 | 14,9 | 15,4 | 15,9 | 14,4 | 15,0 | 14,9 | 15,4 | 15,9 |
| | 8H | 14,5 | 15,0 | 15,0 | 15,4 | 15,9 | 14,5 | 15,0 | 15,0 | 15,4 | 15,9 |
| | 12H | 14,6 | 14,9 | 15,1 | 15,4 | 15,9 | 14,6 | 14,9 | 15,1 | 15,4 | 15,9 |
| 8H | 4H | 14,4 | 14,8 | 14,8 | 15,2 | 15,7 | 14,4 | 14,8 | 14,8 | 15,2 | 15,7 |
| | 6H | 14,6 | 14,9 | 15,1 | 15,4 | 15,9 | 14,6 | 14,9 | 15,1 | 15,4 | 15,9 |
| | 8H | 14,6 | 14,9 | 15,1 | 15,4 | 16,0 | 14,6 | 14,9 | 15,1 | 15,4 | 16,0 |
| | 12H | 14,7 | 14,9 | 15,2 | 15,4 | 16,0 | 14,7 | 14,9 | 15,2 | 15,4 | 16,0 |
| 12H | 4H | 14,4 | 14,7 | 14,9 | 15,1 | 15,6 | 14,4 | 14,7 | 14,9 | 15,1 | 15,6 |
| | 6H | 14,5 | 14,8 | 15,1 | 15,3 | 15,8 | 14,5 | 14,8 | 15,1 | 15,3 | 15,8 |
| | 8H | 14,6 | 14,9 | 15,2 | 15,4 | 15,9 | 14,6 | 14,9 | 15,2 | 15,4 | 15,9 |

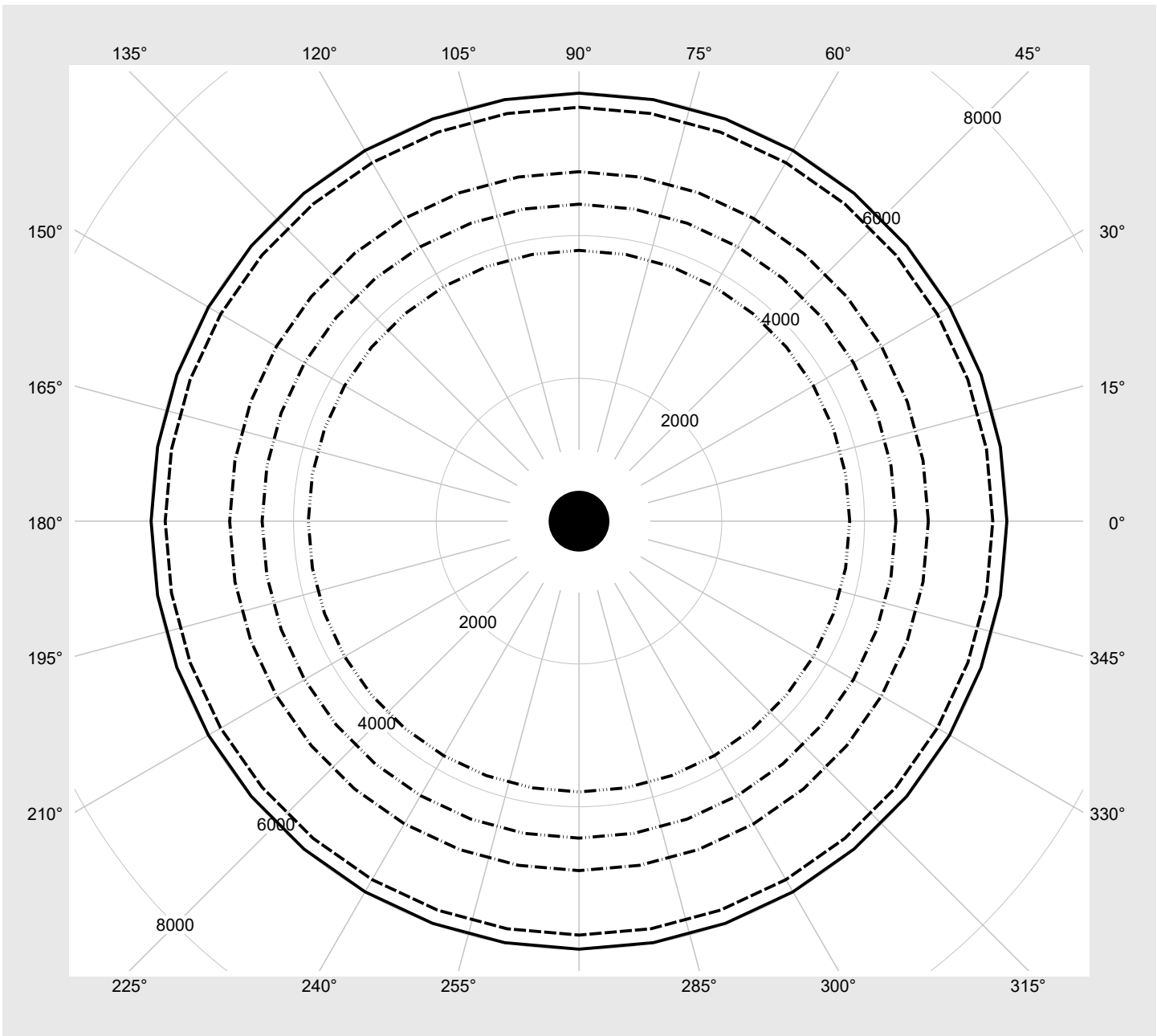
| | | |
|------------------------------|---------------------------------|---|
| Leuchtdichten-Tabelle | Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: D = 82 |
|------------------------------|---------------------------------|---|

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 8802.7 |
| 50,0° | 7026.7 |
| 55,0° | 6337.9 |
| 60,0° | 6059.2 |
| 65,0° | 5995.3 |
| 70,0° | 5797.7 |
| 75,0° | 4894.8 |
| 80,0° | 4439.9 |
| 85,0° | 3793.0 |

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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 | 3910 | 28.1 |
| 10 | ON | OFF | ON | OFF | 3670 | 25.9 |
| 9 | ON | OFF | OFF | ON | 3420 | 23.8 |
| 8 | ON | OFF | OFF | OFF | 3160 | 21.7 |
| 7 | OFF | ON | ON | ON | 2900 | 19.8 |
| 6 | OFF | ON | ON | OFF | 2630 | 17.7 |
| 5 | OFF | ON | OFF | ON | 2360 | 15.7 |
| 4 | OFF | ON | OFF | OFF | 2090 | 13.8 |
| 3 | OFF | OFF | ON | ON | 1800 | 11.7 |
| 2 | OFF | OFF | ON | OFF | 1510 | 9.9 |
| 1 | OFF | OFF | OFF | ON | 1210 | 8.1 |
| 0 | OFF | OFF | OFF | OFF | 910 | 6.2 |