

Lichttechnischer Prüfbefund

Familie
Spot 21 Standard

Bestell-Nr.: 51SE12DA2CB2C
EAN: 4069025446770

LP-Nummer
59930_14



Ausführung Gehäuse, weiß, Reflektor, Linse PMMA, medium strahlend

Bestückung LED 3000 K | CRI ≥ 90

Betriebsgerät EVG-DALI-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=5

Bemessungswerte Nettolichtstrom = 2120 lm
Systemleistung = 15.6 W
Lichtausbeute = 135.9 lm/W

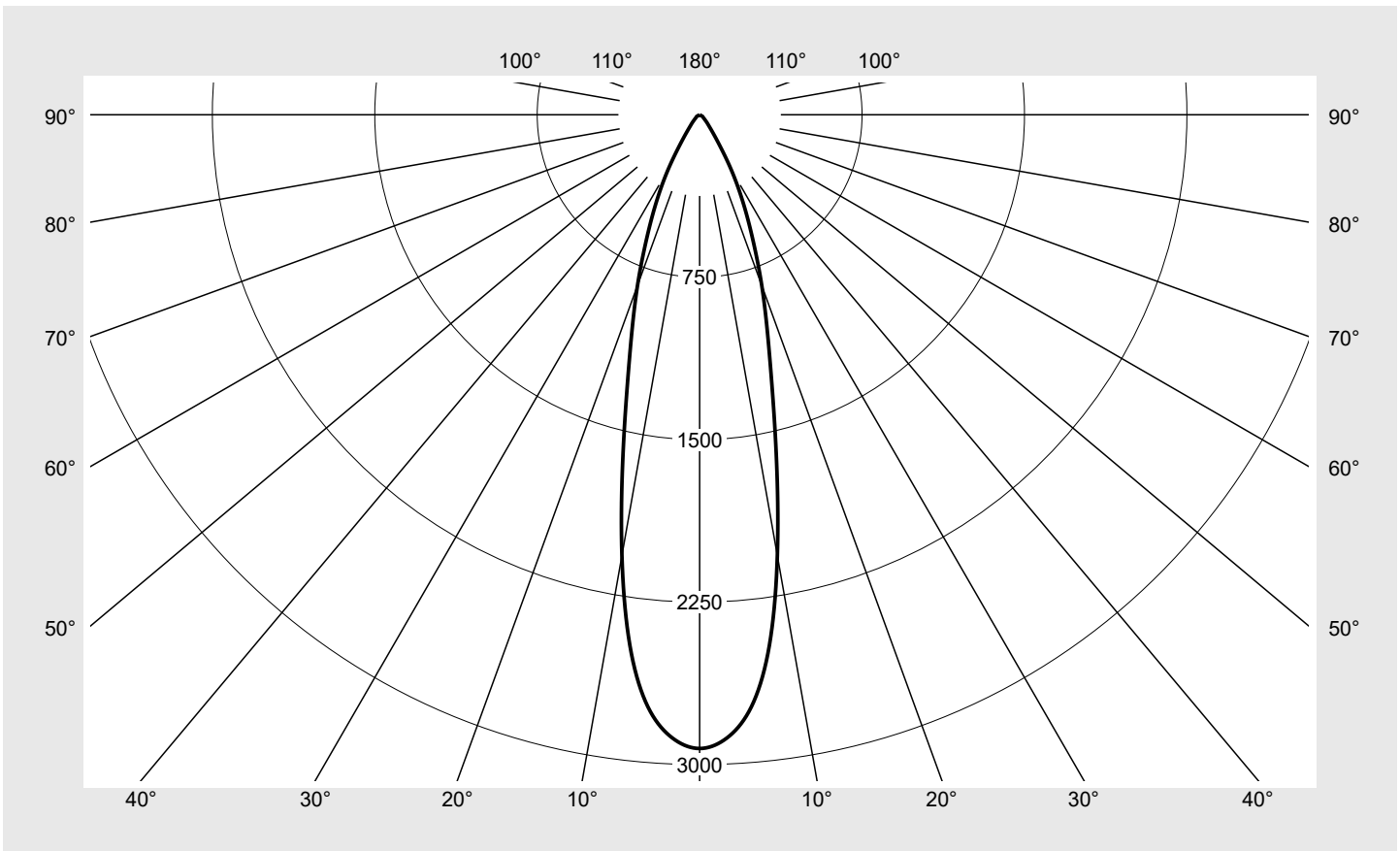
Seriendokumentation
11.05.2026

sITeco

Lichtstärke in cd/klm

C180-0

Imax: 2926 cd/klm



Klassifizierungen

DIN 5040 A 8 0
CIE N1=94 N2=98 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° | 2925.8 | 4.4 | 4.4 |
| 2,5° | 2880.2 | 34.4 | 38.8 |
| 5,0° | 2743.4 | 65.5 | 104.4 |
| 7,5° | 2469.4 | 88.4 | 192.7 |
| 10,0° | 2066.4 | 98.4 | 291.1 |
| 12,5° | 1641.6 | 97.4 | 388.5 |
| 15,0° | 1288.9 | 91.5 | 479.9 |
| 17,5° | 1036.1 | 85.4 | 565.3 |
| 20,0° | 838.8 | 78.6 | 644.0 |
| 22,5° | 662.8 | 69.5 | 713.5 |
| 25,0° | 519.2 | 60.2 | 773.7 |
| 27,5° | 397.3 | 50.3 | 824.0 |
| 30,0° | 287.9 | 39.5 | 863.4 |
| 32,5° | 189.6 | 27.9 | 891.4 |
| 35,0° | 126.2 | 19.8 | 911.2 |
| 37,5° | 88.2 | 14.7 | 925.9 |
| 40,0° | 65.4 | 11.5 | 937.4 |
| 42,5° | 51.6 | 9.6 | 947.0 |
| 45,0° | 39.6 | 7.7 | 954.7 |
| 47,5° | 31.5 | 6.4 | 961.0 |
| 50,0° | 25.2 | 5.3 | 966.3 |
| 52,5° | 21.1 | 4.6 | 970.9 |
| 55,0° | 19.1 | 4.3 | 975.2 |
| 57,5° | 17.3 | 4.0 | 979.2 |
| 60,0° | 15.4 | 3.6 | 982.8 |
| 62,5° | 13.7 | 3.3 | 986.2 |
| 65,0° | 11.8 | 2.9 | 989.1 |
| 67,5° | 9.9 | 2.5 | 991.6 |
| 70,0° | 8.2 | 2.1 | 993.7 |
| 72,5° | 6.8 | 1.8 | 995.5 |
| 75,0° | 5.5 | 1.5 | 997.0 |
| 77,5° | 4.3 | 1.2 | 998.1 |
| 80,0° | 3.2 | 0.9 | 999.0 |
| 82,5° | 2.1 | 0.6 | 999.6 |
| 85,0° | 1.2 | 0.3 | 999.9 |
| 87,5° | 0.3 | 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 | 19,2 | 20,2 | 19,5 | 20,5 | 20,9 | 19,2 | 20,2 | 19,5 | 20,5 | 20,9 |
| | 3H | 19,6 | 20,6 | 20,0 | 20,9 | 21,3 | 19,6 | 20,6 | 20,0 | 20,9 | 21,3 |
| | 4H | 19,8 | 20,7 | 20,2 | 21,0 | 21,4 | 19,8 | 20,7 | 20,2 | 21,0 | 21,4 |
| | 6H | 20,0 | 20,7 | 20,4 | 21,1 | 21,5 | 20,0 | 20,7 | 20,4 | 21,1 | 21,5 |
| | 8H | 20,2 | 20,7 | 20,6 | 21,1 | 21,5 | 20,2 | 20,7 | 20,6 | 21,1 | 21,5 |
| | 12H | 20,2 | 20,7 | 20,6 | 21,1 | 21,5 | 20,2 | 20,7 | 20,6 | 21,1 | 21,5 |
| 4H | 2H | 19,3 | 20,1 | 19,7 | 20,5 | 20,9 | 19,3 | 20,1 | 19,7 | 20,5 | 20,9 |
| | 3H | 19,9 | 20,6 | 20,3 | 21,0 | 21,4 | 19,9 | 20,6 | 20,3 | 21,0 | 21,4 |
| | 4H | 20,2 | 20,8 | 20,6 | 21,2 | 21,7 | 20,2 | 20,8 | 20,6 | 21,2 | 21,7 |
| | 6H | 20,4 | 20,9 | 20,9 | 21,4 | 21,8 | 20,4 | 20,9 | 20,9 | 21,4 | 21,8 |
| | 8H | 20,5 | 20,9 | 21,0 | 21,4 | 21,9 | 20,5 | 20,9 | 21,0 | 21,4 | 21,9 |
| | 12H | 20,6 | 20,9 | 21,1 | 21,4 | 21,9 | 20,6 | 20,9 | 21,1 | 21,4 | 21,9 |
| 8H | 4H | 20,3 | 20,7 | 20,7 | 21,2 | 21,6 | 20,3 | 20,7 | 20,7 | 21,2 | 21,6 |
| | 6H | 20,5 | 20,9 | 21,0 | 21,4 | 21,9 | 20,5 | 20,9 | 21,0 | 21,4 | 21,9 |
| | 8H | 20,6 | 20,9 | 21,1 | 21,4 | 22,0 | 20,6 | 20,9 | 21,1 | 21,4 | 22,0 |
| | 12H | 20,7 | 20,9 | 21,2 | 21,5 | 22,0 | 20,7 | 20,9 | 21,2 | 21,5 | 22,0 |
| 12H | 4H | 20,3 | 20,6 | 20,8 | 21,1 | 21,6 | 20,3 | 20,6 | 20,8 | 21,1 | 21,6 |
| | 6H | 20,6 | 20,8 | 21,1 | 21,3 | 21,9 | 20,6 | 20,8 | 21,1 | 21,3 | 21,9 |
| | 8H | 20,7 | 20,9 | 21,2 | 21,4 | 22,0 | 20,7 | 20,9 | 21,2 | 21,4 | 22,0 |

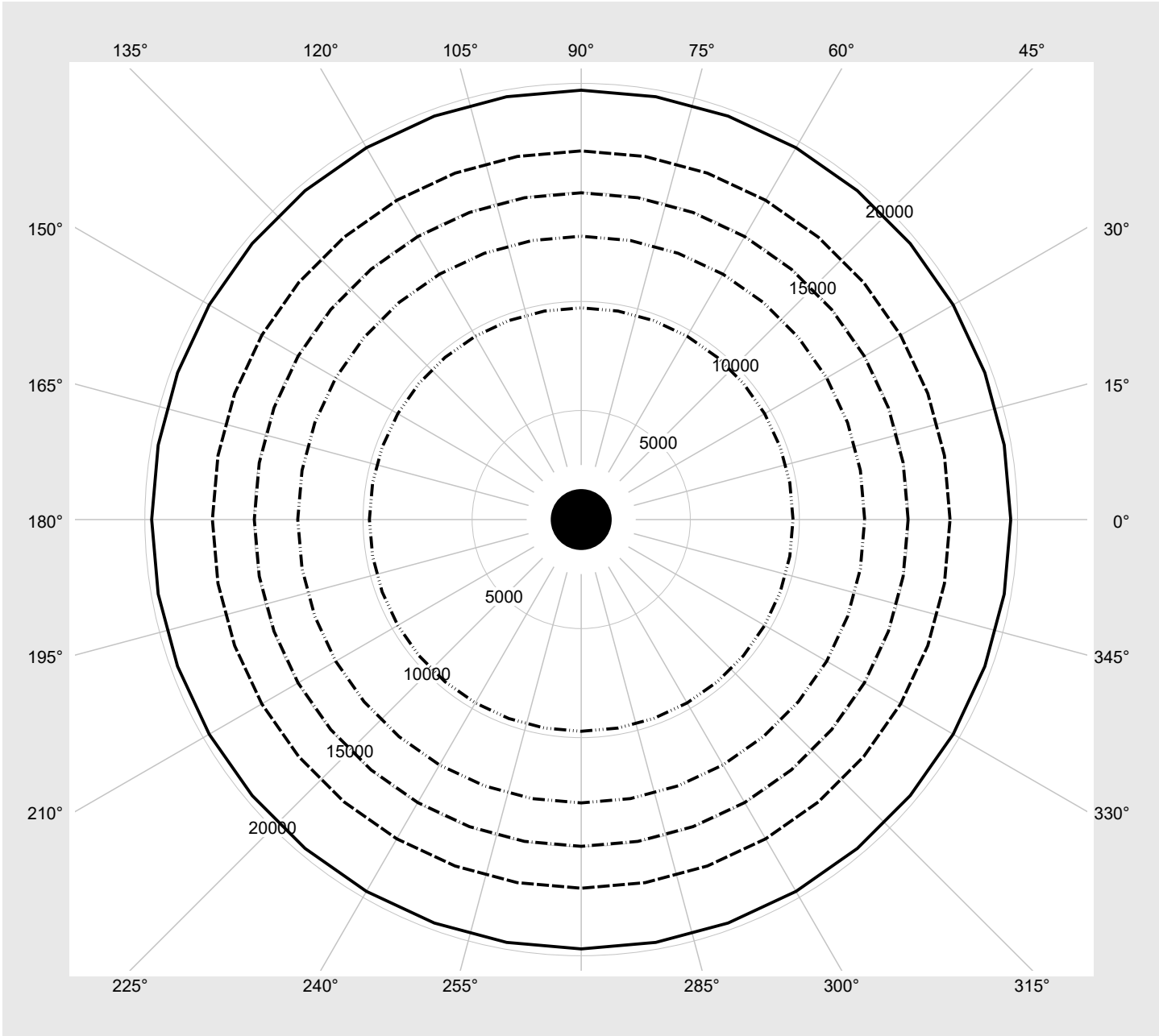
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 62

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 39288.6 |
| 50,0° | 27533.7 |
| 55,0° | 23356.3 |
| 60,0° | 21575.9 |
| 65,0° | 19687.7 |
| 70,0° | 16905.3 |
| 75,0° | 14984.5 |
| 80,0° | 12992.8 |
| 85,0° | 9708.5 |

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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 | 3500 | 28.0 |
| 10 | ON | OFF | ON | OFF | 3280 | 25.9 |
| 9 | ON | OFF | OFF | ON | 3060 | 23.7 |
| 8 | ON | OFF | OFF | OFF | 2830 | 21.6 |
| 7 | OFF | ON | ON | ON | 2600 | 19.8 |
| 6 | OFF | ON | ON | OFF | 2360 | 17.7 |
| 5 | OFF | ON | OFF | ON | 2120 | 15.6 |
| 4 | OFF | ON | OFF | OFF | 1870 | 13.8 |
| 3 | OFF | OFF | ON | ON | 1620 | 11.7 |
| 2 | OFF | OFF | ON | OFF | 1360 | 9.9 |
| 1 | OFF | OFF | OFF | ON | 1090 | 8.1 |
| 0 | OFF | OFF | OFF | OFF | 820 | 6.2 |