

Lichttechnischer Prüfbefund

Familie
Spot 21 Standard

Bestell-Nr.: 51SE63DA2EA2C
EAN: 4069025447906

LP-Nummer
59942_13



Ausführung Gehäuse, weißaluminium, Reflektor, Linse
PMMA, breit strahlend

Bestückung LED 2700 K | CRI ≥ 90

Betriebsgerät EVG-DALI-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=5

Bemessungswerte Nettolichtstrom = 2110 lm
Systemleistung = 15.6 W
Lichtausbeute = 135.3 lm/W

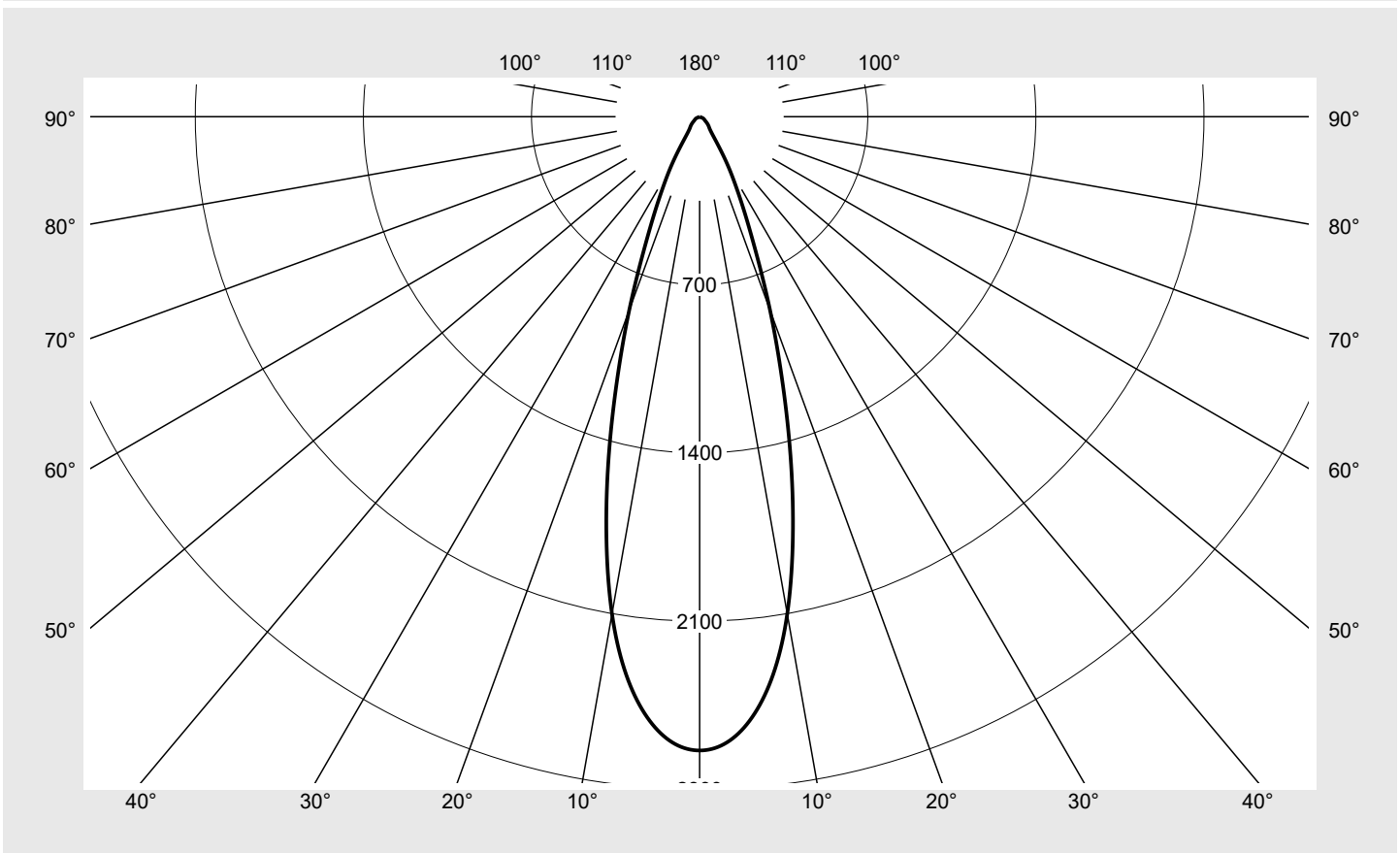
Seriendokumentation
11.05.2026

sITeco

Lichtstärke in cd/klm

C180-0

Imax: 2638 cd/klm



Klassifizierungen

DIN 5040 A 8 0
CIE N1=92 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° | 2638.3 | 3.9 | 3.9 |
| 2,5° | 2607.2 | 31.2 | 35.1 |
| 5,0° | 2509.4 | 60.0 | 95.1 |
| 7,5° | 2342.7 | 83.8 | 178.9 |
| 10,0° | 2101.4 | 100.0 | 278.9 |
| 12,5° | 1793.5 | 106.4 | 385.4 |
| 15,0° | 1462.2 | 103.7 | 489.1 |
| 17,5° | 1137.7 | 93.8 | 582.9 |
| 20,0° | 857.0 | 80.4 | 663.2 |
| 22,5° | 616.7 | 64.7 | 727.9 |
| 25,0° | 449.1 | 52.0 | 780.0 |
| 27,5° | 328.3 | 41.6 | 821.5 |
| 30,0° | 236.7 | 32.4 | 854.0 |
| 32,5° | 154.3 | 22.7 | 876.7 |
| 35,0° | 101.7 | 16.0 | 892.7 |
| 37,5° | 76.7 | 12.8 | 905.5 |
| 40,0° | 64.2 | 11.3 | 916.8 |
| 42,5° | 57.3 | 10.6 | 927.4 |
| 45,0° | 51.1 | 9.9 | 937.3 |
| 47,5° | 44.6 | 9.0 | 946.3 |
| 50,0° | 37.9 | 8.0 | 954.3 |
| 52,5° | 31.6 | 6.9 | 961.2 |
| 55,0° | 26.8 | 6.0 | 967.2 |
| 57,5° | 24.1 | 5.6 | 972.7 |
| 60,0° | 21.5 | 5.1 | 977.8 |
| 62,5° | 18.8 | 4.6 | 982.4 |
| 65,0° | 15.7 | 3.9 | 986.3 |
| 67,5° | 12.6 | 3.2 | 989.5 |
| 70,0° | 10.1 | 2.6 | 992.1 |
| 72,5° | 8.3 | 2.2 | 994.3 |
| 75,0° | 6.8 | 1.8 | 996.1 |
| 77,5° | 5.4 | 1.5 | 997.5 |
| 80,0° | 4.1 | 1.1 | 998.7 |
| 82,5° | 2.8 | 0.8 | 999.4 |
| 85,0° | 1.6 | 0.4 | 999.9 |
| 87,5° | 0.5 | 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 | 20,0 | 21,1 | 20,4 | 21,4 | 21,7 | 20,0 | 21,1 | 20,4 | 21,4 | 21,7 |
| | 3H | 20,6 | 21,6 | 21,0 | 21,9 | 22,3 | 20,6 | 21,6 | 21,0 | 21,9 | 22,3 |
| | 4H | 20,9 | 21,7 | 21,3 | 22,1 | 22,5 | 20,9 | 21,7 | 21,3 | 22,1 | 22,5 |
| | 6H | 21,1 | 21,8 | 21,5 | 22,2 | 22,6 | 21,1 | 21,8 | 21,5 | 22,2 | 22,6 |
| | 8H | 21,2 | 21,8 | 21,7 | 22,2 | 22,6 | 21,2 | 21,8 | 21,7 | 22,2 | 22,6 |
| | 12H | 21,2 | 21,8 | 21,7 | 22,2 | 22,6 | 21,2 | 21,8 | 21,7 | 22,2 | 22,6 |
| 4H | 2H | 20,3 | 21,1 | 20,7 | 21,5 | 21,9 | 20,3 | 21,1 | 20,7 | 21,5 | 21,9 |
| | 3H | 21,0 | 21,7 | 21,5 | 22,1 | 22,6 | 21,0 | 21,7 | 21,5 | 22,1 | 22,6 |
| | 4H | 21,3 | 22,0 | 21,8 | 22,4 | 22,8 | 21,3 | 22,0 | 21,8 | 22,4 | 22,8 |
| | 6H | 21,6 | 22,1 | 22,1 | 22,6 | 23,0 | 21,6 | 22,1 | 22,1 | 22,6 | 23,0 |
| | 8H | 21,7 | 22,2 | 22,2 | 22,6 | 23,1 | 21,7 | 22,2 | 22,2 | 22,6 | 23,1 |
| | 12H | 21,8 | 22,1 | 22,3 | 22,6 | 23,1 | 21,8 | 22,1 | 22,3 | 22,6 | 23,1 |
| 8H | 4H | 21,4 | 21,9 | 21,9 | 22,3 | 22,8 | 21,4 | 21,9 | 21,9 | 22,3 | 22,8 |
| | 6H | 21,8 | 22,1 | 22,3 | 22,6 | 23,1 | 21,8 | 22,1 | 22,3 | 22,6 | 23,1 |
| | 8H | 21,9 | 22,2 | 22,4 | 22,7 | 23,2 | 21,9 | 22,2 | 22,4 | 22,7 | 23,2 |
| | 12H | 22,0 | 22,2 | 22,5 | 22,7 | 23,3 | 22,0 | 22,2 | 22,5 | 22,7 | 23,3 |
| 12H | 4H | 21,4 | 21,8 | 21,9 | 22,3 | 22,8 | 21,4 | 21,8 | 21,9 | 22,3 | 22,8 |
| | 6H | 21,8 | 22,1 | 22,3 | 22,6 | 23,1 | 21,8 | 22,1 | 22,3 | 22,6 | 23,1 |
| | 8H | 21,9 | 22,2 | 22,5 | 22,7 | 23,2 | 21,9 | 22,2 | 22,5 | 22,7 | 23,2 |

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° | 50497.4 |
| 50,0° | 41252.5 |
| 55,0° | 32655.2 |
| 60,0° | 30024.3 |
| 65,0° | 25895.5 |
| 70,0° | 20716.2 |
| 75,0° | 18429.6 |
| 80,0° | 16561.8 |
| 85,0° | 12878.3 |

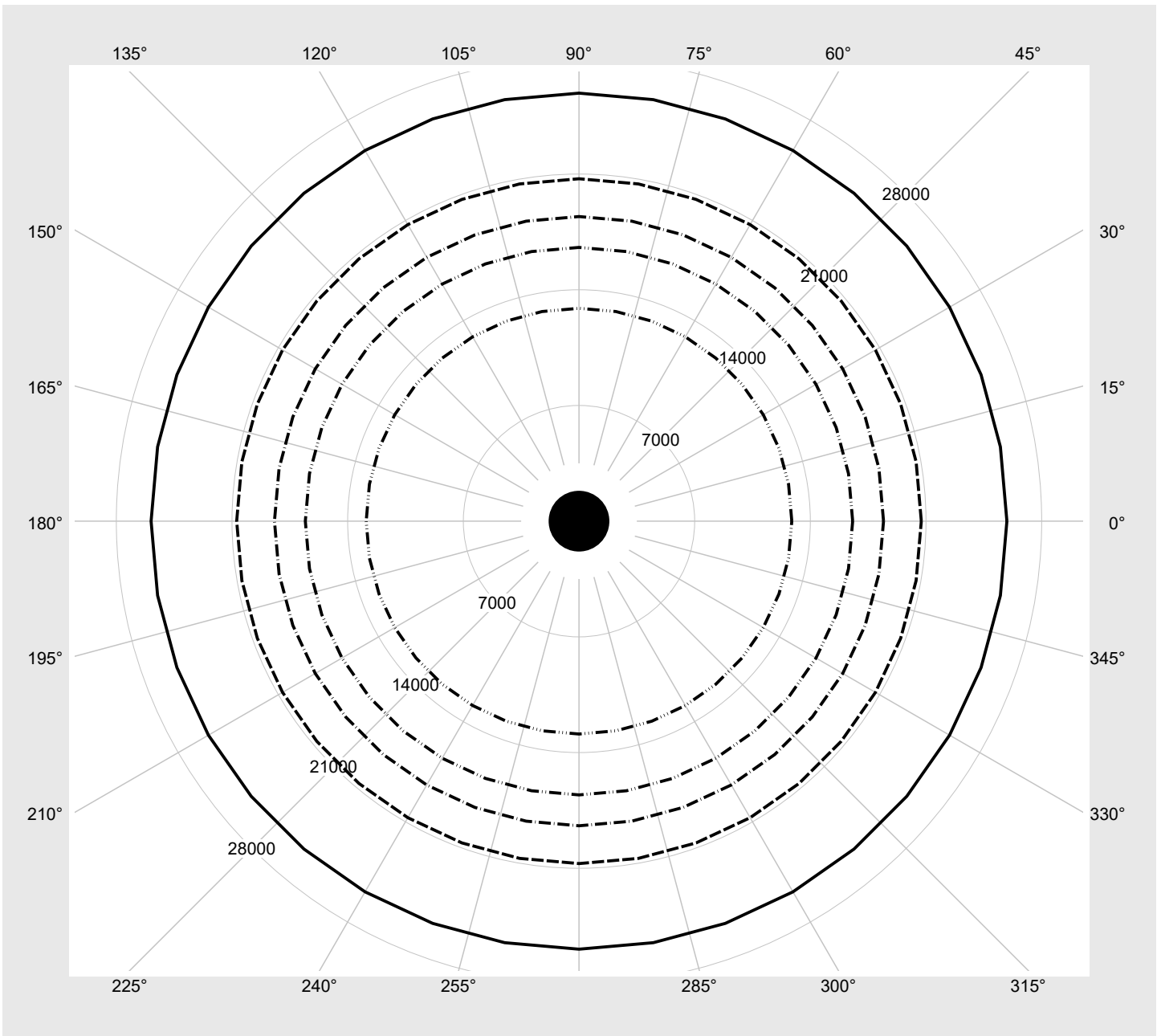
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Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

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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 | 3480 | 28.0 |
| 10 | ON | OFF | ON | OFF | 3260 | 25.8 |
| 9 | ON | OFF | OFF | ON | 3040 | 23.7 |
| 8 | ON | OFF | OFF | OFF | 2820 | 21.6 |
| 7 | OFF | ON | ON | ON | 2590 | 19.8 |
| 6 | OFF | ON | ON | OFF | 2350 | 17.7 |
| 5 | OFF | ON | OFF | ON | 2110 | 15.6 |
| 4 | OFF | ON | OFF | OFF | 1860 | 13.8 |
| 3 | OFF | OFF | ON | ON | 1610 | 11.7 |
| 2 | OFF | OFF | ON | OFF | 1350 | 9.9 |
| 1 | OFF | OFF | OFF | ON | 1090 | 8.0 |
| 0 | OFF | OFF | OFF | OFF | 820 | 6.2 |