

Lichttechnischer Prüfbefund

Familie
Spot 21 Standard

Bestell-Nr.: 51SE32MA2DB2C
EAN: 4069025447340

LP-Nummer
59939_10



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

Bestückung LED 3000 K | CRI ≥ 90

Betriebsgerät EVG-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=6

Bemessungswerte Nettolichtstrom = 1990 lm
Systemleistung = 14.8 W
Lichtausbeute = 134.5 lm/W

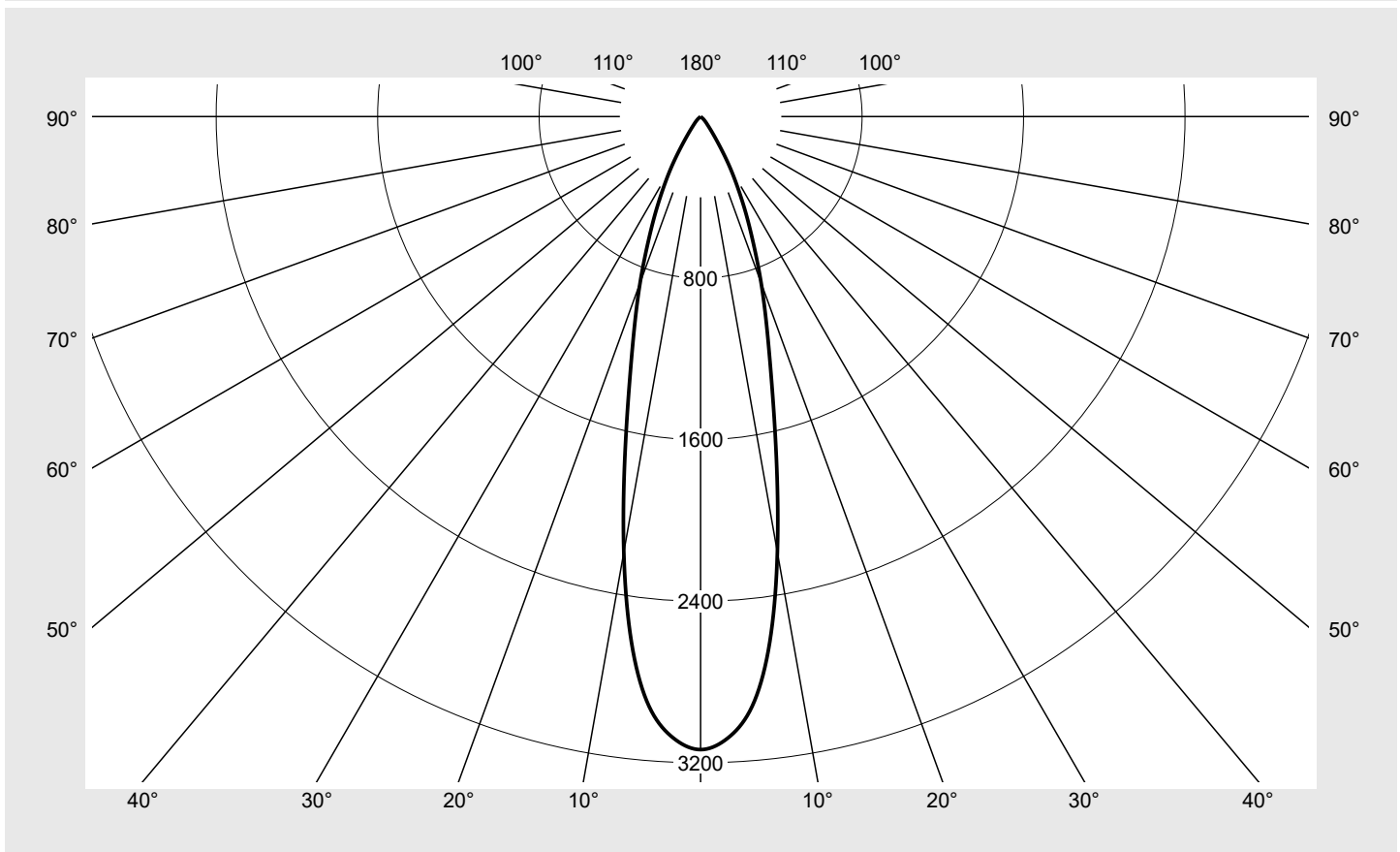
Seriendokumentation
11.05.2026

sitEco

Lichtstärke in cd/klm

C180-0

Imax: 3135 cd/klm



Klassifizierungen

DIN 5040 A 8 0
CIE N1=97 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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| | | |
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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° | 3134.9 | 4.7 | 4.7 |
| 2,5° | 3081.0 | 36.8 | 41.5 |
| 5,0° | 2931.6 | 70.0 | 111.6 |
| 7,5° | 2625.0 | 93.9 | 205.5 |
| 10,0° | 2190.8 | 104.3 | 309.8 |
| 12,5° | 1734.9 | 102.9 | 412.7 |
| 15,0° | 1359.5 | 96.5 | 509.2 |
| 17,5° | 1089.3 | 89.8 | 599.0 |
| 20,0° | 876.8 | 82.2 | 681.2 |
| 22,5° | 687.5 | 72.1 | 753.3 |
| 25,0° | 534.4 | 61.9 | 815.2 |
| 27,5° | 401.7 | 50.8 | 866.1 |
| 30,0° | 290.7 | 39.8 | 905.9 |
| 32,5° | 188.1 | 27.7 | 933.6 |
| 35,0° | 118.3 | 18.6 | 952.2 |
| 37,5° | 77.2 | 12.9 | 965.1 |
| 40,0° | 52.9 | 9.3 | 974.4 |
| 42,5° | 39.2 | 7.3 | 981.7 |
| 45,0° | 27.9 | 5.4 | 987.1 |
| 47,5° | 19.1 | 3.9 | 991.0 |
| 50,0° | 13.2 | 2.8 | 993.7 |
| 52,5° | 8.2 | 1.8 | 995.5 |
| 55,0° | 6.2 | 1.4 | 996.9 |
| 57,5° | 4.9 | 1.1 | 998.1 |
| 60,0° | 3.6 | 0.9 | 998.9 |
| 62,5° | 2.4 | 0.6 | 999.5 |
| 65,0° | 1.4 | 0.3 | 999.8 |
| 67,5° | 0.5 | 0.1 | 1000.0 |
| 70,0° | 0.1 | 0.0 | 1000.0 |
| 72,5° | 0.0 | 0.0 | 1000.0 |
| 75,0° | 0.0 | 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 | 17,0 | 18,0 | 17,4 | 18,3 | 18,7 | 17,0 | 18,0 | 17,4 | 18,3 | 18,7 |
| | 3H | 16,8 | 17,7 | 17,2 | 18,1 | 18,4 | 16,8 | 17,7 | 17,2 | 18,1 | 18,4 |
| | 4H | 16,8 | 17,6 | 17,2 | 17,9 | 18,3 | 16,8 | 17,6 | 17,2 | 17,9 | 18,3 |
| | 6H | 16,7 | 17,4 | 17,1 | 17,8 | 18,2 | 16,7 | 17,4 | 17,1 | 17,8 | 18,2 |
| | 8H | 16,8 | 17,3 | 17,2 | 17,7 | 18,1 | 16,8 | 17,3 | 17,2 | 17,7 | 18,1 |
| | 12H | 16,7 | 17,2 | 17,2 | 17,6 | 18,0 | 16,7 | 17,2 | 17,2 | 17,6 | 18,0 |
| 4H | 2H | 16,8 | 17,6 | 17,2 | 17,9 | 18,3 | 16,8 | 17,6 | 17,2 | 17,9 | 18,3 |
| | 3H | 16,6 | 17,2 | 17,0 | 17,6 | 18,0 | 16,6 | 17,2 | 17,0 | 17,6 | 18,0 |
| | 4H | 16,5 | 17,0 | 16,9 | 17,5 | 17,9 | 16,5 | 17,0 | 16,9 | 17,5 | 17,9 |
| | 6H | 16,4 | 16,8 | 16,9 | 17,3 | 17,7 | 16,4 | 16,8 | 16,9 | 17,3 | 17,7 |
| | 8H | 16,3 | 16,7 | 16,8 | 17,2 | 17,7 | 16,3 | 16,7 | 16,8 | 17,2 | 17,7 |
| | 12H | 16,3 | 16,6 | 16,8 | 17,1 | 17,6 | 16,3 | 16,6 | 16,8 | 17,1 | 17,6 |
| 8H | 4H | 16,3 | 16,7 | 16,8 | 17,2 | 17,7 | 16,3 | 16,7 | 16,8 | 17,2 | 17,7 |
| | 6H | 16,2 | 16,5 | 16,7 | 17,0 | 17,5 | 16,2 | 16,5 | 16,7 | 17,0 | 17,5 |
| | 8H | 16,1 | 16,4 | 16,6 | 16,9 | 17,4 | 16,1 | 16,4 | 16,6 | 16,9 | 17,4 |
| | 12H | 16,1 | 16,3 | 16,6 | 16,8 | 17,3 | 16,1 | 16,3 | 16,6 | 16,8 | 17,3 |
| 12H | 4H | 16,3 | 16,6 | 16,8 | 17,1 | 17,6 | 16,3 | 16,6 | 16,8 | 17,1 | 17,6 |
| | 6H | 16,2 | 16,4 | 16,7 | 16,9 | 17,4 | 16,2 | 16,4 | 16,7 | 16,9 | 17,4 |
| | 8H | 16,1 | 16,3 | 16,6 | 16,8 | 17,3 | 16,1 | 16,3 | 16,6 | 16,8 | 17,3 |

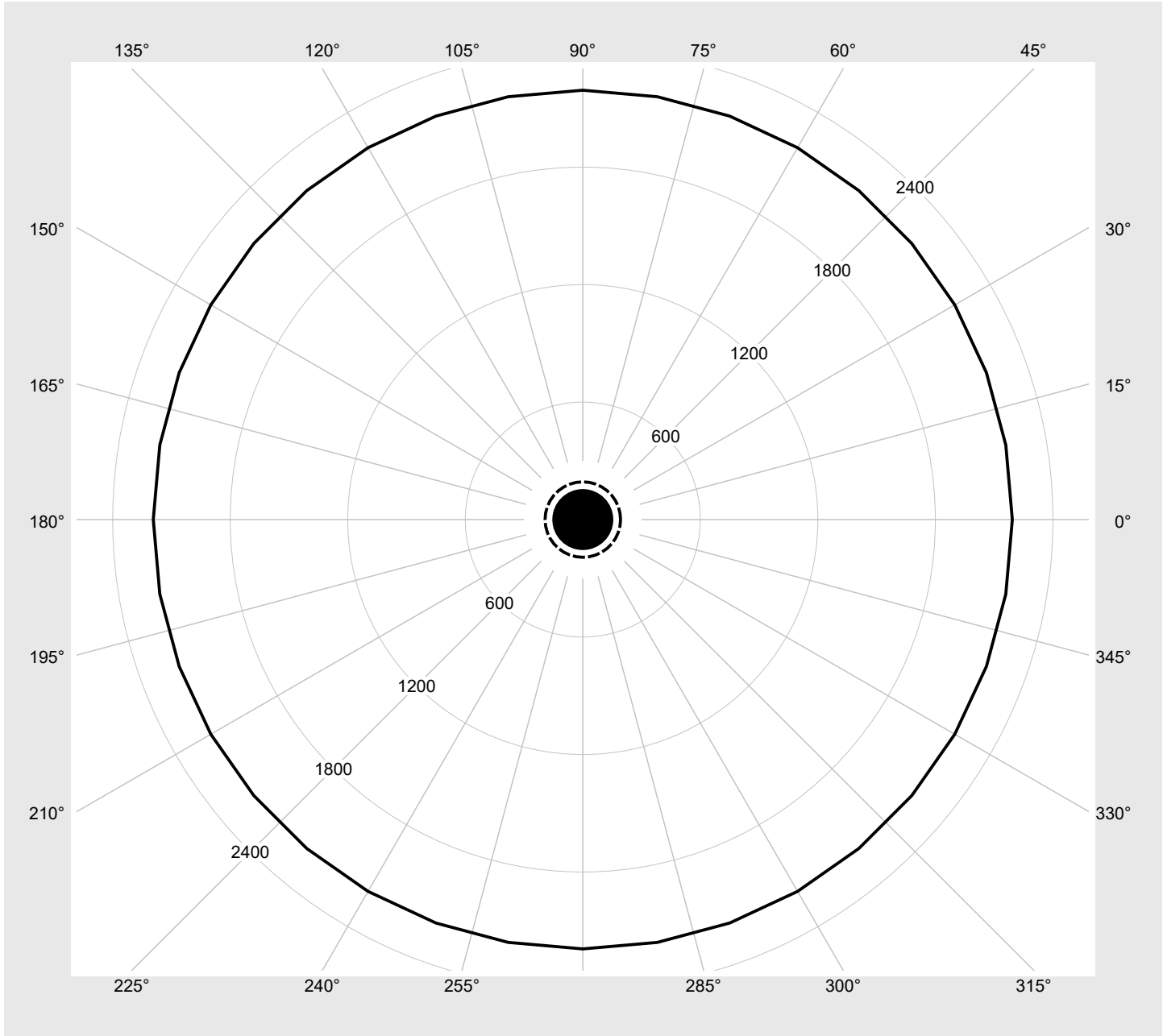
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 62

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 26030.8 |
| 50,0° | 13492.8 |
| 55,0° | 7157.1 |
| 60,0° | 4766.9 |
| 65,0° | 2192.9 |
| 70,0° | 192.7 |
| 75,0° | 0.0 |
| 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

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| DIP-Stufe | Schalterstellung | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|--------------------|--------------------|
| | 1 | 2 | 3 | | |
| 0 | OFF | OFF | OFF | 3290 | 26.5 |
| 1 | ON | OFF | OFF | 3090 | 24.4 |
| 2 | OFF | ON | OFF | 2880 | 22.4 |
| 3 | ON | ON | OFF | 2660 | 20.4 |
| 4 | OFF | OFF | ON | 2450 | 18.5 |
| 5 | ON | OFF | ON | 2220 | 16.5 |
| 6 | OFF | ON | ON | 1990 | 14.8 |
| 7 | ON | ON | ON | 1760 | 12.8 |