

Lichttechnischer Prüfbefund

Familie
Spot 11

Bestell-Nr.: 51SD34MBA5A
EAN: 4058352716496

LP-Nummer
59368_16

Ausführung Reflektor, Abdeckscheibe, PC, klar, breit strahlend
Bestückung LED 2700 K | CRI ≥ 90
Betriebsgerät EVG-Multilumen
Einstellung Werkseinstellung: DIP-Stufe=10
Bemessungswerte Nettolichtstrom = 5550 lm
 Systemleistung = 37.9 W
 Lichtausbeute = 146.4 lm/W

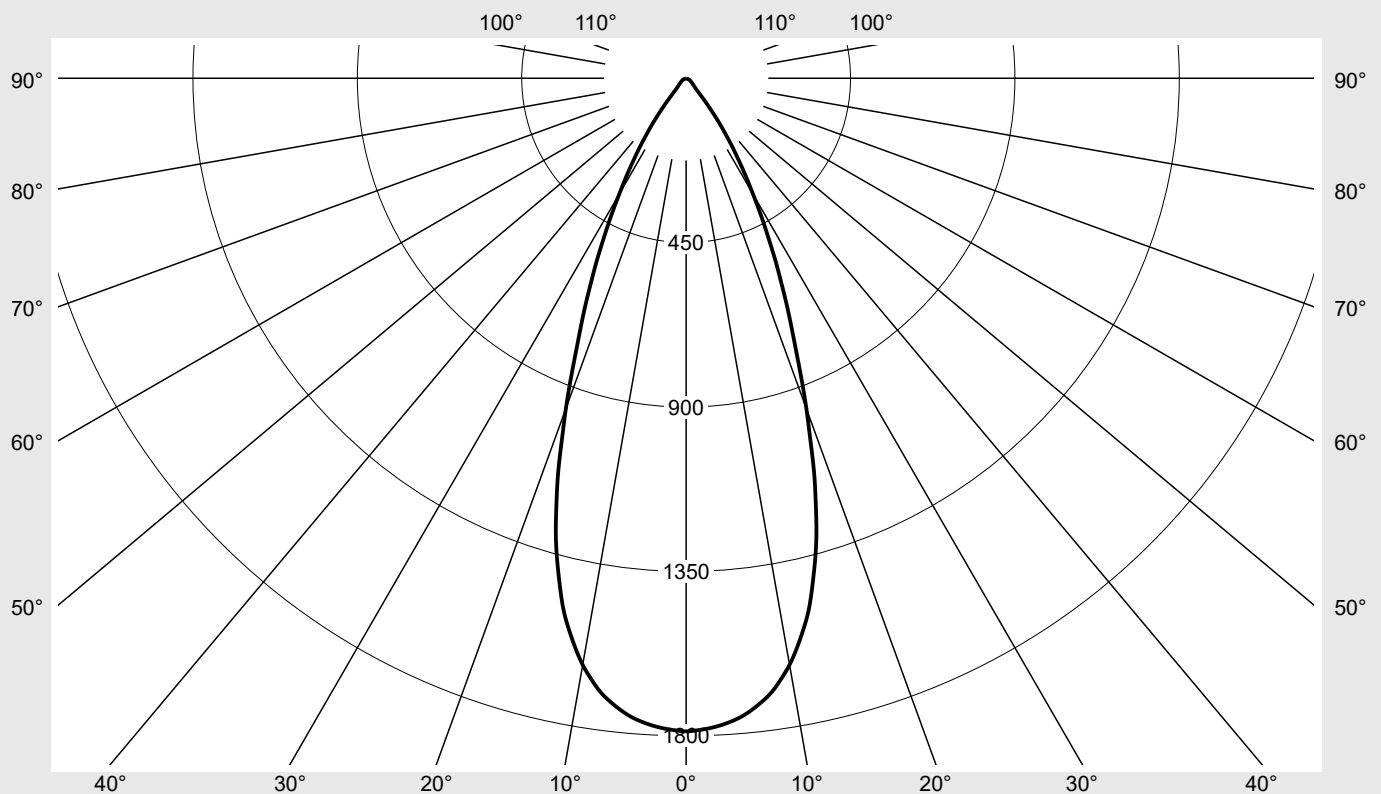
Seriendokumentation
23.12.2022

siteco

Lichtstärke in cd/klm

C180-0

Imax: 1788 cd/klm



Klassifizierungen

DIN 5040 A 7 0
 CIE N1=95 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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| | | |
|---------------------------|--|------------------------------|
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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° | 1787.8 | 0.4 | 0.4 |
| 1° | 1785.0 | 3.4 | 3.8 |
| 2° | 1780.6 | 6.8 | 10.7 |
| 3° | 1774.1 | 10.2 | 20.8 |
| 4° | 1765.1 | 13.5 | 34.3 |
| 5° | 1753.5 | 16.8 | 51.1 |
| 6° | 1737.2 | 19.9 | 71.0 |
| 7° | 1718.0 | 23.0 | 94.0 |
| 8° | 1695.0 | 25.9 | 119.8 |
| 9° | 1664.4 | 28.6 | 148.4 |
| 10° | 1630.4 | 31.0 | 179.4 |
| 11° | 1588.8 | 33.2 | 212.7 |
| 12° | 1543.0 | 35.2 | 247.9 |
| 13° | 1492.7 | 36.8 | 284.7 |
| 14° | 1429.8 | 37.9 | 322.6 |
| 15° | 1364.5 | 38.7 | 361.3 |
| 16° | 1294.1 | 39.1 | 400.5 |
| 17° | 1213.5 | 38.9 | 439.4 |
| 18° | 1133.2 | 38.4 | 477.8 |
| 19° | 1043.5 | 37.3 | 515.0 |
| 20° | 962.6 | 36.1 | 551.1 |
| 21° | 880.9 | 34.6 | 585.7 |
| 22° | 803.1 | 33.0 | 618.7 |
| 23° | 736.5 | 31.6 | 650.3 |
| 24° | 675.3 | 30.1 | 680.4 |
| 25° | 614.8 | 28.5 | 708.9 |
| 26° | 561.0 | 27.0 | 735.9 |
| 27° | 506.2 | 25.2 | 761.1 |
| 28° | 457.2 | 23.5 | 784.6 |
| 29° | 410.6 | 21.8 | 806.4 |
| 30° | 366.1 | 20.1 | 826.5 |
| 31° | 327.4 | 18.5 | 845.0 |
| 32° | 290.6 | 16.9 | 861.9 |
| 33° | 255.7 | 15.3 | 877.2 |
| 34° | 225.3 | 13.8 | 891.0 |
| 35° | 193.5 | 12.2 | 903.2 |
| 36° | 166.5 | 10.7 | 913.9 |
| 37° | 139.9 | 9.2 | 923.1 |
| 38° | 114.0 | 7.7 | 930.8 |
| 39° | 91.9 | 6.3 | 937.2 |
| 40° | 71.2 | 5.0 | 942.2 |
| 41° | 55.8 | 4.0 | 946.2 |
| 42° | 45.5 | 3.3 | 949.5 |
| 43° | 39.2 | 2.9 | 952.5 |
| 44° | 34.9 | 2.7 | 955.1 |
| 45° | 32.1 | 2.5 | 957.6 |
| 46° | 29.6 | 2.3 | 960.0 |

| C-Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|----------|-----------------------|----------------------|----------------|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 47° | 27.8 | 2.2 | 962.2 |
| 48° | 25.7 | 2.1 | 964.3 |
| 49° | 24.0 | 2.0 | 966.3 |
| 50° | 22.5 | 1.9 | 968.2 |
| 51° | 21.0 | 1.8 | 969.9 |
| 52° | 19.7 | 1.7 | 971.7 |
| 53° | 18.6 | 1.6 | 973.3 |
| 54° | 17.4 | 1.5 | 974.8 |
| 55° | 16.5 | 1.5 | 976.3 |
| 56° | 15.5 | 1.4 | 977.7 |
| 57° | 14.7 | 1.4 | 979.1 |
| 58° | 14.0 | 1.3 | 980.4 |
| 59° | 13.3 | 1.2 | 981.6 |
| 60° | 12.7 | 1.2 | 982.8 |
| 61° | 12.0 | 1.2 | 984.0 |
| 62° | 11.5 | 1.1 | 985.1 |
| 63° | 10.9 | 1.1 | 986.2 |
| 64° | 10.4 | 1.0 | 987.2 |
| 65° | 9.9 | 1.0 | 988.2 |
| 66° | 9.4 | 0.9 | 989.1 |
| 67° | 9.0 | 0.9 | 990.0 |
| 68° | 8.5 | 0.9 | 990.9 |
| 69° | 8.1 | 0.8 | 991.7 |
| 70° | 7.7 | 0.8 | 992.5 |
| 71° | 7.3 | 0.8 | 993.3 |
| 72° | 6.8 | 0.7 | 994.0 |
| 73° | 6.5 | 0.7 | 994.7 |
| 74° | 6.1 | 0.6 | 995.3 |
| 75° | 5.7 | 0.6 | 995.9 |
| 76° | 5.4 | 0.6 | 996.5 |
| 77° | 5.0 | 0.5 | 997.0 |
| 78° | 4.7 | 0.5 | 997.5 |
| 79° | 4.4 | 0.5 | 998.0 |
| 80° | 4.0 | 0.4 | 998.4 |
| 81° | 3.5 | 0.4 | 998.8 |
| 82° | 3.1 | 0.3 | 999.1 |
| 83° | 2.5 | 0.3 | 999.4 |
| 84° | 2.0 | 0.2 | 999.6 |
| 85° | 1.5 | 0.2 | 999.8 |
| 86° | 1.0 | 0.1 | 999.9 |
| 87° | 0.6 | 0.1 | 1000.0 |
| 88° | 0.2 | 0.0 | 1000.0 |
| 89° | 0.1 | 0.0 | 1000.0 |
| 90° | 0.1 | 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 | 21,8 | 22,9 | 22,2 | 23,2 | 23,5 | 21,8 | 22,9 | 22,2 | 23,2 | 23,5 |
| | 3H | 22,0 | 23,0 | 22,4 | 23,3 | 23,7 | 22,0 | 23,0 | 22,4 | 23,3 | 23,7 |
| | 4H | 22,2 | 23,1 | 22,6 | 23,4 | 23,8 | 22,2 | 23,1 | 22,6 | 23,4 | 23,8 |
| | 6H | 22,4 | 23,1 | 22,8 | 23,5 | 23,9 | 22,4 | 23,1 | 22,8 | 23,5 | 23,9 |
| | 8H | 22,6 | 23,2 | 23,0 | 23,6 | 24,0 | 22,6 | 23,2 | 23,0 | 23,6 | 24,0 |
| | 12H | 22,6 | 23,1 | 23,0 | 23,5 | 23,9 | 22,6 | 23,1 | 23,0 | 23,5 | 23,9 |
| 4H | 2H | 21,8 | 22,6 | 22,2 | 23,0 | 23,4 | 21,8 | 22,6 | 22,2 | 23,0 | 23,4 |
| | 3H | 22,1 | 22,8 | 22,6 | 23,2 | 23,7 | 22,1 | 22,8 | 22,6 | 23,2 | 23,7 |
| | 4H | 22,4 | 23,0 | 22,8 | 23,4 | 23,9 | 22,4 | 23,0 | 22,8 | 23,4 | 23,9 |
| | 6H | 22,6 | 23,2 | 23,1 | 23,6 | 24,1 | 22,6 | 23,2 | 23,1 | 23,6 | 24,1 |
| | 8H | 22,8 | 23,2 | 23,2 | 23,7 | 24,2 | 22,8 | 23,2 | 23,2 | 23,7 | 24,2 |
| | 12H | 22,8 | 23,2 | 23,3 | 23,7 | 24,2 | 22,8 | 23,2 | 23,3 | 23,7 | 24,2 |
| 8H | 4H | 22,4 | 22,9 | 22,9 | 23,3 | 23,8 | 22,4 | 22,9 | 22,9 | 23,3 | 23,8 |
| | 6H | 22,8 | 23,2 | 23,3 | 23,7 | 24,2 | 22,8 | 23,2 | 23,3 | 23,7 | 24,2 |
| | 8H | 22,9 | 23,3 | 23,5 | 23,8 | 24,3 | 22,9 | 23,3 | 23,5 | 23,8 | 24,3 |
| | 12H | 23,0 | 23,3 | 23,6 | 23,8 | 24,4 | 23,0 | 23,3 | 23,6 | 23,8 | 24,4 |
| 12H | 4H | 22,4 | 22,8 | 22,9 | 23,3 | 23,8 | 22,4 | 22,8 | 22,9 | 23,3 | 23,8 |
| | 6H | 22,8 | 23,1 | 23,3 | 23,6 | 24,1 | 22,8 | 23,1 | 23,3 | 23,6 | 24,1 |
| | 8H | 23,0 | 23,3 | 23,5 | 23,8 | 24,3 | 23,0 | 23,3 | 23,5 | 23,8 | 24,3 |

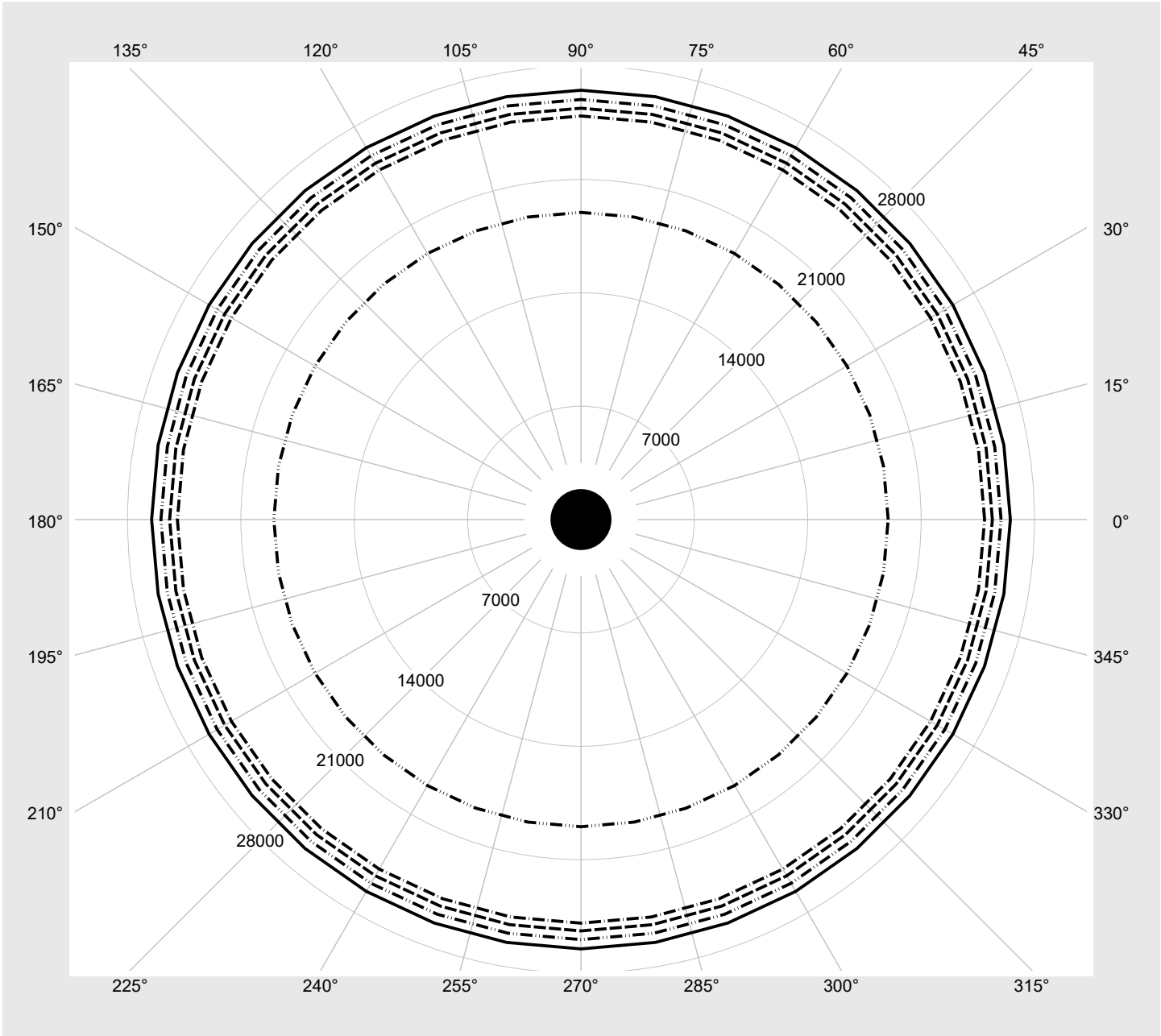
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 79

| C-Ebenen | 0° |
|----------|---------------------------------|
| γ | Leuchtdichte in cd/m^2 |
| 45° | 51448.7 |
| 50° | 39600.2 |
| 55° | 32532.3 |
| 60° | 28678.1 |
| 65° | 26513.1 |
| 70° | 25401.7 |
| 75° | 24922.9 |
| 80° | 25938.4 |
| 85° | 18967.3 |

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



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59368_16

Multilumen-Tabelle

Umgebungstemperatur: 25°C



| DIP-Stufe | Schalterstellung | | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | | |
| 15 | ON | ON | ON | ON | 7210 | 50.7 |
| 14 | ON | ON | ON | OFF | 6920 | 47.9 |
| 13 | ON | ON | OFF | ON | 6550 | 45.3 |
| 12 | ON | ON | OFF | OFF | 6240 | 43.0 |
| 11 | ON | OFF | ON | ON | 5880 | 40.2 |
| 10 | ON | OFF | ON | OFF | 5550 | 37.9 |
| 9 | ON | OFF | OFF | ON | 5180 | 35.5 |
| 8 | ON | OFF | OFF | OFF | 4900 | 33.2 |
| 7 | OFF | ON | ON | ON | 4610 | 31.1 |
| 6 | OFF | ON | ON | OFF | 4300 | 28.8 |
| 5 | OFF | ON | OFF | ON | 3960 | 26.3 |
| 4 | OFF | ON | OFF | OFF | 3640 | 24.0 |
| 3 | OFF | OFF | ON | ON | 3250 | 21.3 |
| 2 | OFF | OFF | ON | OFF | 2920 | 19.1 |
| 1 | OFF | OFF | OFF | ON | 2550 | 16.6 |
| 0 | OFF | OFF | OFF | OFF | 2190 | 14.3 |