

Lichttechnischer Prüfbefund

Familie
Lunis 21

Bestell-Nr.: 51DB15DF43
EAN: 4058352555125

LP-Nummer
59251_5



Ausführung Kombinierte Linsen und Reflektor Optik,
Reflektor hochglänzend, breit strahlend,
UGR \leq 19 (L65 \leq 3000cd/m²)

Bestückung LED 4000 K | CRI \geq 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 3560 lm
Systemleistung = 31.0 W
Lichtausbeute = 114.8 lm/W

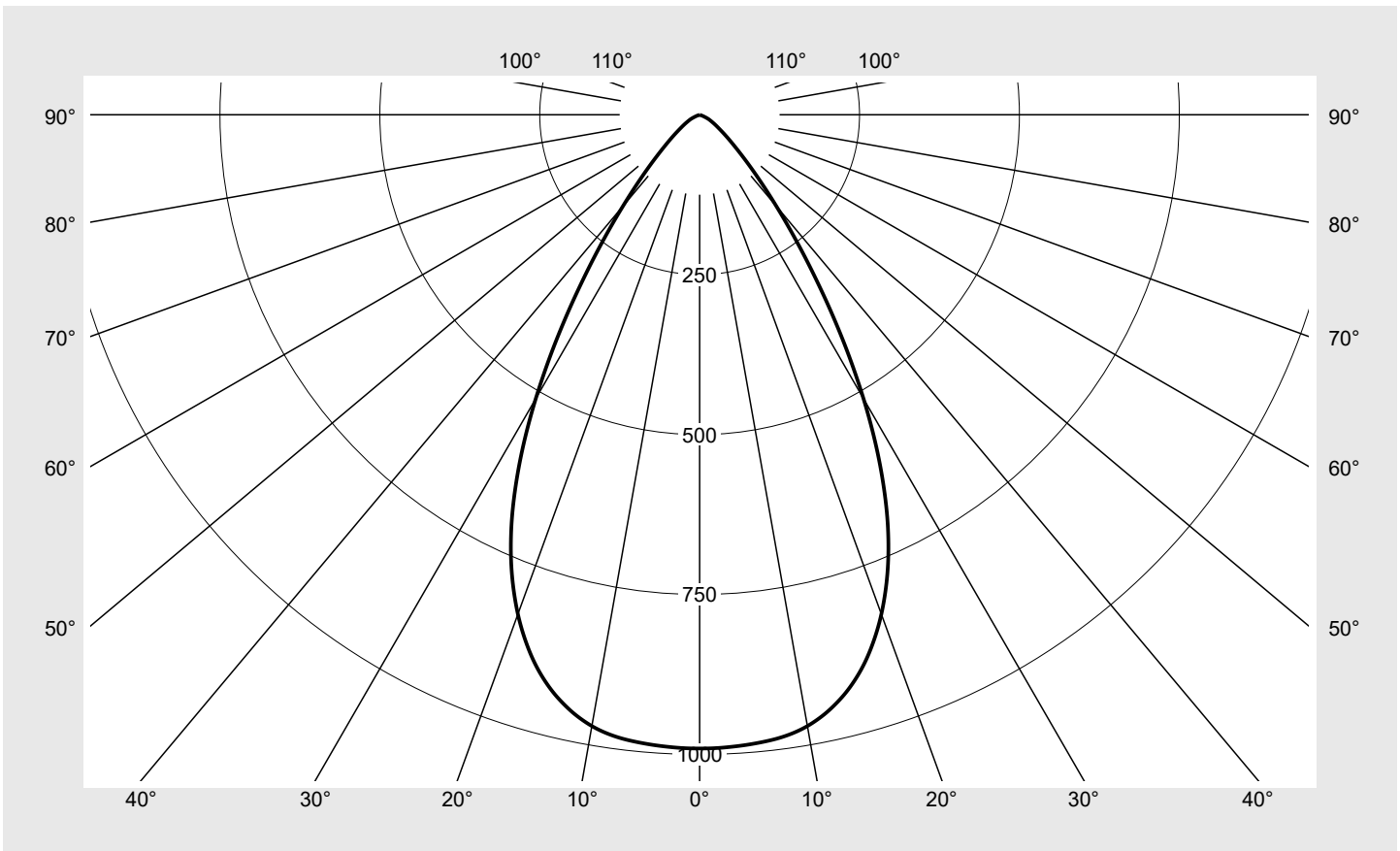
Seriendokumentation
03.02.2022

siteco

Lichtstärke in cd/klm

C180-0

Imax: 991 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=89 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° | 990.7 | 0.2 | 0.2 |
| 1° | 990.6 | 1.9 | 2.1 |
| 2° | 990.1 | 3.8 | 5.9 |
| 3° | 989.2 | 5.7 | 11.6 |
| 4° | 988.1 | 7.6 | 19.2 |
| 5° | 986.7 | 9.4 | 28.6 |
| 6° | 985.0 | 11.3 | 39.9 |
| 7° | 982.9 | 13.1 | 53.0 |
| 8° | 979.9 | 15.0 | 68.0 |
| 9° | 975.8 | 16.7 | 84.7 |
| 10° | 970.4 | 18.5 | 103.2 |
| 11° | 963.5 | 20.2 | 123.3 |
| 12° | 955.2 | 21.8 | 145.1 |
| 13° | 945.3 | 23.3 | 168.4 |
| 14° | 934.3 | 24.8 | 193.2 |
| 15° | 921.5 | 26.2 | 219.4 |
| 16° | 907.0 | 27.4 | 246.8 |
| 17° | 890.7 | 28.6 | 275.4 |
| 18° | 872.4 | 29.6 | 304.9 |
| 19° | 852.5 | 30.4 | 335.4 |
| 20° | 830.8 | 31.2 | 366.5 |
| 21° | 807.2 | 31.7 | 398.2 |
| 22° | 781.9 | 32.1 | 430.4 |
| 23° | 754.7 | 32.3 | 462.7 |
| 24° | 725.4 | 32.4 | 495.1 |
| 25° | 694.2 | 32.2 | 527.2 |
| 26° | 660.5 | 31.8 | 559.0 |
| 27° | 625.3 | 31.1 | 590.1 |
| 28° | 588.7 | 30.3 | 620.4 |
| 29° | 550.8 | 29.3 | 649.7 |
| 30° | 512.4 | 28.1 | 677.8 |
| 31° | 473.3 | 26.7 | 704.5 |
| 32° | 434.8 | 25.3 | 729.8 |
| 33° | 396.6 | 23.7 | 753.5 |
| 34° | 359.9 | 22.1 | 775.5 |
| 35° | 324.8 | 20.4 | 796.0 |
| 36° | 292.5 | 18.9 | 814.8 |
| 37° | 262.4 | 17.3 | 832.2 |
| 38° | 234.7 | 15.8 | 848.0 |
| 39° | 209.6 | 14.5 | 862.5 |
| 40° | 186.5 | 13.1 | 875.6 |
| 41° | 166.1 | 11.9 | 887.6 |
| 42° | 147.7 | 10.8 | 898.4 |
| 43° | 131.2 | 9.8 | 908.2 |
| 44° | 116.7 | 8.9 | 917.1 |
| 45° | 103.8 | 8.1 | 925.2 |
| 46° | 92.3 | 7.3 | 932.4 |

| C-Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|----------|-----------------------|----------------------|----------------|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 47° | 82.4 | 6.6 | 939.0 |
| 48° | 73.8 | 6.0 | 945.1 |
| 49° | 66.3 | 5.5 | 950.5 |
| 50° | 59.8 | 5.0 | 955.6 |
| 51° | 53.9 | 4.6 | 960.2 |
| 52° | 48.5 | 4.2 | 964.4 |
| 53° | 43.7 | 3.8 | 968.2 |
| 54° | 39.5 | 3.5 | 971.7 |
| 55° | 35.9 | 3.2 | 974.9 |
| 56° | 32.7 | 3.0 | 977.9 |
| 57° | 29.9 | 2.8 | 980.6 |
| 58° | 27.3 | 2.5 | 983.2 |
| 59° | 24.8 | 2.3 | 985.5 |
| 60° | 22.4 | 2.1 | 987.6 |
| 61° | 20.4 | 2.0 | 989.6 |
| 62° | 18.6 | 1.8 | 991.4 |
| 63° | 17.0 | 1.7 | 993.1 |
| 64° | 15.2 | 1.5 | 994.5 |
| 65° | 13.0 | 1.3 | 995.8 |
| 66° | 10.6 | 1.1 | 996.9 |
| 67° | 8.3 | 0.8 | 997.7 |
| 68° | 6.5 | 0.7 | 998.4 |
| 69° | 5.2 | 0.5 | 998.9 |
| 70° | 4.0 | 0.4 | 999.3 |
| 71° | 2.7 | 0.3 | 999.6 |
| 72° | 1.7 | 0.2 | 999.8 |
| 73° | 0.8 | 0.1 | 999.9 |
| 74° | 0.4 | 0.0 | 999.9 |
| 75° | 0.3 | 0.0 | 1000.0 |
| 76° | 0.1 | 0.0 | 1000.0 |
| 77° | 0.0 | 0.0 | 1000.0 |
| 78° | 0.0 | 0.0 | 1000.0 |
| 79° | 0.0 | 0.0 | 1000.0 |
| 80° | 0.0 | 0.0 | 1000.0 |
| 81° | 0.0 | 0.0 | 1000.0 |
| 82° | 0.0 | 0.0 | 1000.0 |
| 83° | 0.0 | 0.0 | 1000.0 |
| 84° | 0.0 | 0.0 | 1000.0 |
| 85° | 0.0 | 0.0 | 1000.0 |
| 86° | 0.0 | 0.0 | 1000.0 |
| 87° | 0.0 | 0.0 | 1000.0 |
| 88° | 0.0 | 0.0 | 1000.0 |
| 89° | 0.0 | 0.0 | 1000.0 |
| 90° | 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 | 18,7 | 19,9 | 19,0 | 20,2 | 20,5 | 18,7 | 19,9 | 19,0 | 20,2 | 20,5 |
| | 3H | 18,6 | 19,7 | 19,0 | 20,0 | 20,4 | 18,6 | 19,7 | 19,0 | 20,0 | 20,4 |
| | 4H | 18,5 | 19,5 | 18,9 | 19,9 | 20,3 | 18,5 | 19,5 | 18,9 | 19,9 | 20,3 |
| | 6H | 18,5 | 19,4 | 18,9 | 19,7 | 20,1 | 18,5 | 19,4 | 18,9 | 19,7 | 20,1 |
| | 8H | 18,6 | 19,3 | 19,0 | 19,7 | 20,1 | 18,6 | 19,3 | 19,0 | 19,7 | 20,1 |
| | 12H | 18,5 | 19,2 | 19,0 | 19,6 | 20,0 | 18,5 | 19,2 | 19,0 | 19,6 | 20,0 |
| 4H | 2H | 18,6 | 19,6 | 19,0 | 19,9 | 20,3 | 18,6 | 19,6 | 19,0 | 19,9 | 20,3 |
| | 3H | 18,5 | 19,3 | 18,9 | 19,7 | 20,1 | 18,5 | 19,3 | 18,9 | 19,7 | 20,1 |
| | 4H | 18,4 | 19,1 | 18,9 | 19,6 | 20,0 | 18,4 | 19,1 | 18,9 | 19,6 | 20,0 |
| | 6H | 18,3 | 18,9 | 18,8 | 19,4 | 19,8 | 18,3 | 18,9 | 18,8 | 19,4 | 19,8 |
| | 8H | 18,3 | 18,8 | 18,8 | 19,3 | 19,8 | 18,3 | 18,8 | 18,8 | 19,3 | 19,8 |
| | 12H | 18,3 | 18,7 | 18,8 | 19,2 | 19,7 | 18,3 | 18,7 | 18,8 | 19,2 | 19,7 |
| 8H | 4H | 18,3 | 18,8 | 18,8 | 19,3 | 19,8 | 18,3 | 18,8 | 18,8 | 19,3 | 19,8 |
| | 6H | 18,2 | 18,6 | 18,7 | 19,1 | 19,6 | 18,2 | 18,6 | 18,7 | 19,1 | 19,6 |
| | 8H | 18,1 | 18,5 | 18,6 | 19,0 | 19,5 | 18,1 | 18,5 | 18,6 | 19,0 | 19,5 |
| | 12H | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 |
| 12H | 4H | 18,3 | 18,7 | 18,8 | 19,2 | 19,7 | 18,3 | 18,7 | 18,8 | 19,2 | 19,7 |
| | 6H | 18,2 | 18,5 | 18,7 | 19,0 | 19,5 | 18,2 | 18,5 | 18,7 | 19,0 | 19,5 |
| | 8H | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 |

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 187

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45° | 19031.9 |
| 50° | 12056.2 |
| 55° | 8107.8 |
| 60° | 5819.2 |
| 65° | 3975.6 |
| 70° | 1509.1 |
| 75° | 125.2 |
| 80° | 11.2 |
| 85° | 35.7 |

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

