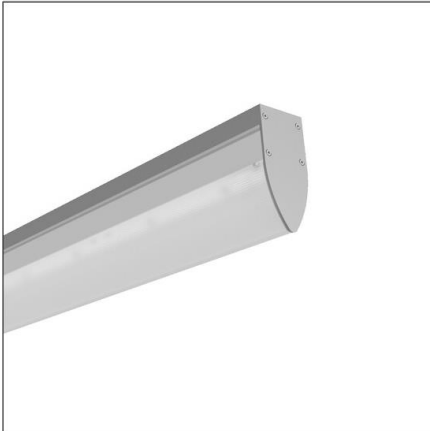


Lichttechnischer Prüfbefund

Familie
Mira® 21

Bestell-Nr.: 51FR527P494A
EAN: 4058352672563

LP-Nummer
59366_8



Ausführung Reinraumleuchte, Abdeckung, satiniert, PMMA, breit strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG

Bemessungswerte Nettolichtstrom = 9160 lm
Systemleistung = 65.0 W
Lichtausbeute = 140.9 lm/W

Seriendokumentation
21.12.2022

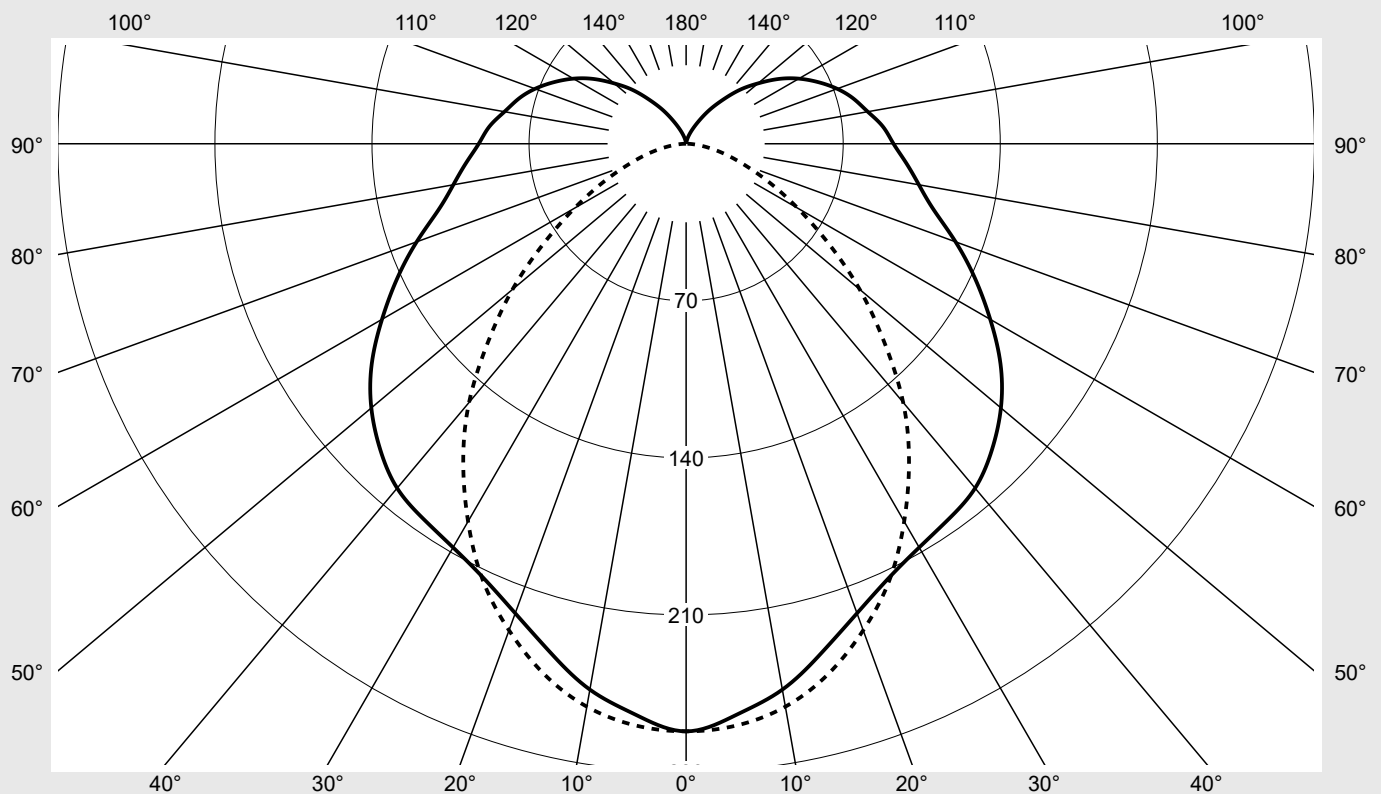
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 262 cd/klm



Klassifizierungen

DIN 5040 B 3 1
CIE N1=40 N2=68 N3=87
N4=81 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 80,8%
 ϕ_o 19,2%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

| | | |
|--|---|------------------------------------|
| Familie Mira® 21 | Bestell-Nr.: 51FR527P494A EAN: 4058352672563 | LP-Nummer 59366_8 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | siteco |

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| γ | | | | | | | | | |
| Lichtstärke in cd/klm | | | | | | | | | |
| Lichtstrom in lm/klm | | | | | | | | | |
| 0° | 261.9 | 261.9 | 261.9 | 261.9 | 261.9 | 261.9 | 261.9 | 1.6 | 1.6 |
| 5° | 255.5 | 259.2 | 258.9 | 260.7 | 260.8 | 259.9 | 260.2 | 12.4 | 14.0 |
| 10° | 247.0 | 249.9 | 250.4 | 252.7 | 253.4 | 253.8 | 254.7 | 24.0 | 37.9 |
| 15° | 234.5 | 237.1 | 237.7 | 240.0 | 241.7 | 243.4 | 244.7 | 34.0 | 72.0 |
| 20° | 222.7 | 224.5 | 223.4 | 225.1 | 226.7 | 228.5 | 230.8 | 42.3 | 114.3 |
| 25° | 213.6 | 213.4 | 210.6 | 209.4 | 208.9 | 211.3 | 214.5 | 48.9 | 163.3 |
| 30° | 207.7 | 206.9 | 201.4 | 195.9 | 192.0 | 192.3 | 194.4 | 54.3 | 217.6 |
| 35° | 204.1 | 201.9 | 193.7 | 184.1 | 175.1 | 171.6 | 173.2 | 58.4 | 276.0 |
| 40° | 200.4 | 197.1 | 187.3 | 172.6 | 158.0 | 150.3 | 150.5 | 61.1 | 337.1 |
| 45° | 192.8 | 189.8 | 179.1 | 161.3 | 141.8 | 128.0 | 124.8 | 61.9 | 399.1 |
| 50° | 183.1 | 179.7 | 169.3 | 150.3 | 126.6 | 107.1 | 101.0 | 61.2 | 460.3 |
| 55° | 171.0 | 167.8 | 158.3 | 138.6 | 112.9 | 88.5 | 77.5 | 59.1 | 519.5 |
| 60° | 156.5 | 153.7 | 144.7 | 126.3 | 100.6 | 71.8 | 57.4 | 55.7 | 575.2 |
| 65° | 142.1 | 139.1 | 130.9 | 113.8 | 88.8 | 58.5 | 41.1 | 51.6 | 626.7 |
| 70° | 127.8 | 125.2 | 118.0 | 101.5 | 78.3 | 48.1 | 27.9 | 47.1 | 673.8 |
| 75° | 114.3 | 112.4 | 105.4 | 91.2 | 68.7 | 38.6 | 18.1 | 42.6 | 716.4 |
| 80° | 105.3 | 103.2 | 97.1 | 83.1 | 61.1 | 32.2 | 10.1 | 39.1 | 755.5 |
| 85° | 98.5 | 96.7 | 91.0 | 76.9 | 55.2 | 26.6 | 4.2 | 36.2 | 791.7 |
| 90° | 92.4 | 90.8 | 84.6 | 71.1 | 49.2 | 21.4 | 0.7 | 33.2 | 824.9 |
| 95° | 88.0 | 85.5 | 79.4 | 64.9 | 43.4 | 17.5 | 0.7 | 30.5 | 855.4 |
| 100° | 82.2 | 80.5 | 73.7 | 59.1 | 38.0 | 13.6 | 0.4 | 27.5 | 883.0 |
| 105° | 77.3 | 74.7 | 67.6 | 53.5 | 32.8 | 10.6 | 0.9 | 24.6 | 907.5 |
| 110° | 71.6 | 69.0 | 62.0 | 47.0 | 27.4 | 8.2 | 0.3 | 21.4 | 928.9 |
| 115° | 65.0 | 62.7 | 55.3 | 41.0 | 22.5 | 5.9 | 0.7 | 18.2 | 947.2 |
| 120° | 58.0 | 55.5 | 48.1 | 34.6 | 17.7 | 4.6 | 0.7 | 15.0 | 962.2 |
| 125° | 50.3 | 48.0 | 40.9 | 28.0 | 13.3 | 3.6 | 0.3 | 11.9 | 974.1 |
| 130° | 41.9 | 40.1 | 33.0 | 22.0 | 9.9 | 2.5 | 0.8 | 9.0 | 983.1 |
| 135° | 34.1 | 31.8 | 26.0 | 16.4 | 7.1 | 2.1 | 0.3 | 6.5 | 989.6 |
| 140° | 25.7 | 24.3 | 19.1 | 11.3 | 5.0 | 1.6 | 0.6 | 4.4 | 994.0 |
| 145° | 18.8 | 17.3 | 13.1 | 7.9 | 3.5 | 1.2 | 0.5 | 2.8 | 996.7 |
| 150° | 12.5 | 11.7 | 8.6 | 5.1 | 2.6 | 1.2 | 0.6 | 1.6 | 998.4 |
| 155° | 7.9 | 7.1 | 5.1 | 3.4 | 1.9 | 0.9 | 0.5 | 0.9 | 999.2 |
| 160° | 4.8 | 4.1 | 3.1 | 2.4 | 1.4 | 0.8 | 0.8 | 0.5 | 999.7 |
| 165° | 2.6 | 2.1 | 1.9 | 1.3 | 1.0 | 0.7 | 0.4 | 0.2 | 999.9 |
| 170° | 1.0 | 1.1 | 0.9 | 1.0 | 0.8 | 0.7 | 0.6 | 0.1 | 1000.0 |
| 175° | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.6 | 0.8 | 0.0 | 1000.0 |
| 180° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 1000.0 |

Lichttechnischer Prüfbefund

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|----------------------------|---|-----------------------------|

| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| Raumabmessungen | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 20,8 | 22,3 | 21,3 | 22,8 | 23,4 | 19,0 | 20,5 | 19,5 | 21,0 | 21,6 |
| | 3H | 22,6 | 24,0 | 23,1 | 24,5 | 25,1 | 19,9 | 21,4 | 20,5 | 21,9 | 22,5 |
| | 4H | 23,5 | 24,7 | 24,0 | 25,3 | 25,9 | 20,3 | 21,6 | 20,8 | 22,2 | 22,8 |
| | 6H | 24,3 | 25,5 | 24,9 | 26,1 | 26,8 | 20,5 | 21,8 | 21,1 | 22,4 | 23,0 |
| | 8H | 24,7 | 25,8 | 25,3 | 26,4 | 27,1 | 20,6 | 21,8 | 21,1 | 22,3 | 23,0 |
| | 12H | 25,2 | 26,2 | 25,8 | 26,8 | 27,5 | 20,6 | 21,7 | 21,2 | 22,3 | 23,0 |
| 4H | 2H | 21,3 | 22,7 | 21,9 | 23,2 | 23,8 | 19,9 | 21,2 | 20,5 | 21,8 | 22,4 |
| | 3H | 23,4 | 24,5 | 24,0 | 25,1 | 25,8 | 21,3 | 22,4 | 21,9 | 23,0 | 23,7 |
| | 4H | 24,4 | 25,4 | 25,0 | 26,1 | 26,8 | 21,9 | 22,9 | 22,5 | 23,5 | 24,2 |
| | 6H | 25,5 | 26,4 | 26,1 | 27,0 | 27,8 | 22,3 | 23,2 | 22,9 | 23,9 | 24,6 |
| | 8H | 26,0 | 26,8 | 26,6 | 27,5 | 28,2 | 22,4 | 23,3 | 23,1 | 23,9 | 24,7 |
| | 12H | 26,5 | 27,2 | 27,2 | 27,9 | 28,7 | 22,5 | 23,3 | 23,2 | 24,0 | 24,8 |
| 8H | 4H | 24,7 | 25,6 | 25,4 | 26,2 | 27,0 | 22,6 | 23,4 | 23,3 | 24,1 | 24,9 |
| | 6H | 26,0 | 26,7 | 26,7 | 27,4 | 28,2 | 23,4 | 24,1 | 24,1 | 24,8 | 25,6 |
| | 8H | 26,7 | 27,3 | 27,4 | 28,0 | 28,8 | 23,7 | 24,4 | 24,4 | 25,1 | 25,9 |
| | 12H | 27,4 | 27,9 | 28,1 | 28,7 | 29,5 | 24,0 | 24,5 | 24,7 | 25,3 | 26,1 |
| 12H | 4H | 24,8 | 25,5 | 25,4 | 26,2 | 27,0 | 22,8 | 23,5 | 23,5 | 24,2 | 25,0 |
| | 6H | 26,1 | 26,8 | 26,8 | 27,5 | 28,3 | 23,7 | 24,3 | 24,4 | 25,0 | 25,9 |
| | 8H | 26,9 | 27,4 | 27,6 | 28,2 | 29,0 | 24,2 | 24,7 | 24,9 | 25,5 | 26,3 |

| | | | | | |
|--|---|------------|--------------|------------|-------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1496 B = 55 | H(C0) = 65 | H(C180) = 65 | H(C90) = 0 | H(C270) = 0 |
|--|---|------------|--------------|------------|-------------|

| C-Ebenen | γ | Leuchtdichte in cd/m ² | | | | | | | |
|----------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | |
| 45° | | 13911.3 | 13953.1 | 13934.6 | 13835.7 | 14028.9 | 15437.4 | 19646.8 | |
| 50° | | 13170.1 | 13182.2 | 13211.3 | 13041.8 | 12866.9 | 13591.6 | 17490.4 | |
| 55° | | 12351.3 | 12383.4 | 12482.1 | 12261.2 | 11883.9 | 11956.4 | 15039.5 | |
| 60° | | 11436.2 | 11491.3 | 11615.6 | 11488.2 | 11068.1 | 10448.7 | 12785.7 | |
| 65° | | 10590.1 | 10626.1 | 10789.6 | 10738.7 | 10313.5 | 9303.4 | 10835.4 | |
| 70° | | 9794.0 | 9854.9 | 10073.9 | 10026.4 | 9709.2 | 8499.7 | 9069.0 | |
| 75° | | 9090.5 | 9187.1 | 9409.0 | 9520.8 | 9221.2 | 7745.5 | 7785.9 | |
| 80° | | 8768.6 | 8853.3 | 9153.1 | 9283.9 | 9006.0 | 7548.0 | 6482.2 | |
| 85° | | 8668.4 | 8796.4 | 9149.3 | 9308.6 | 9095.4 | 7548.9 | 5390.4 | |

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|-----------------------------------|---|------------------------------------|

Leuchtdichten in cd/m²

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| γ 65° | γ 70° | γ 75° | γ 80° | γ 85° |
|--------------|--------------|--------------|--------------|--------------|

siteco

