# Lichttechnischer Prüfbefund

**Familie**
## Apollon® rectangular



## Bestell-Nr.: 51MP26WD2M42W
## EAN: 4069025343895

| | |
|---|---|
| **Ausführung** | Anbau- und Pendelleuchte, Mikroprismenoptik, breit strahlend, UGR≤22, einstellbare Farbtemperatur: 3000 K \| 3500 K \| 4000 K |
| **Bestückung** | LED 3000 K \| CRI ≥ 80 |
| **Betriebsgerät** | EVG-Multilumen |
| **Einstellung** | indiv. Einstellung: DIP-Stufe=10, Farbtemperatur 3000K |
| **Bemessungswerte** | Nettolichtstrom = 7400 lm<br>Systemleistung = 57.0 W<br>Lichtausbeute = 129.8 lm/W |

**LP-Nummer**
**59344_120**

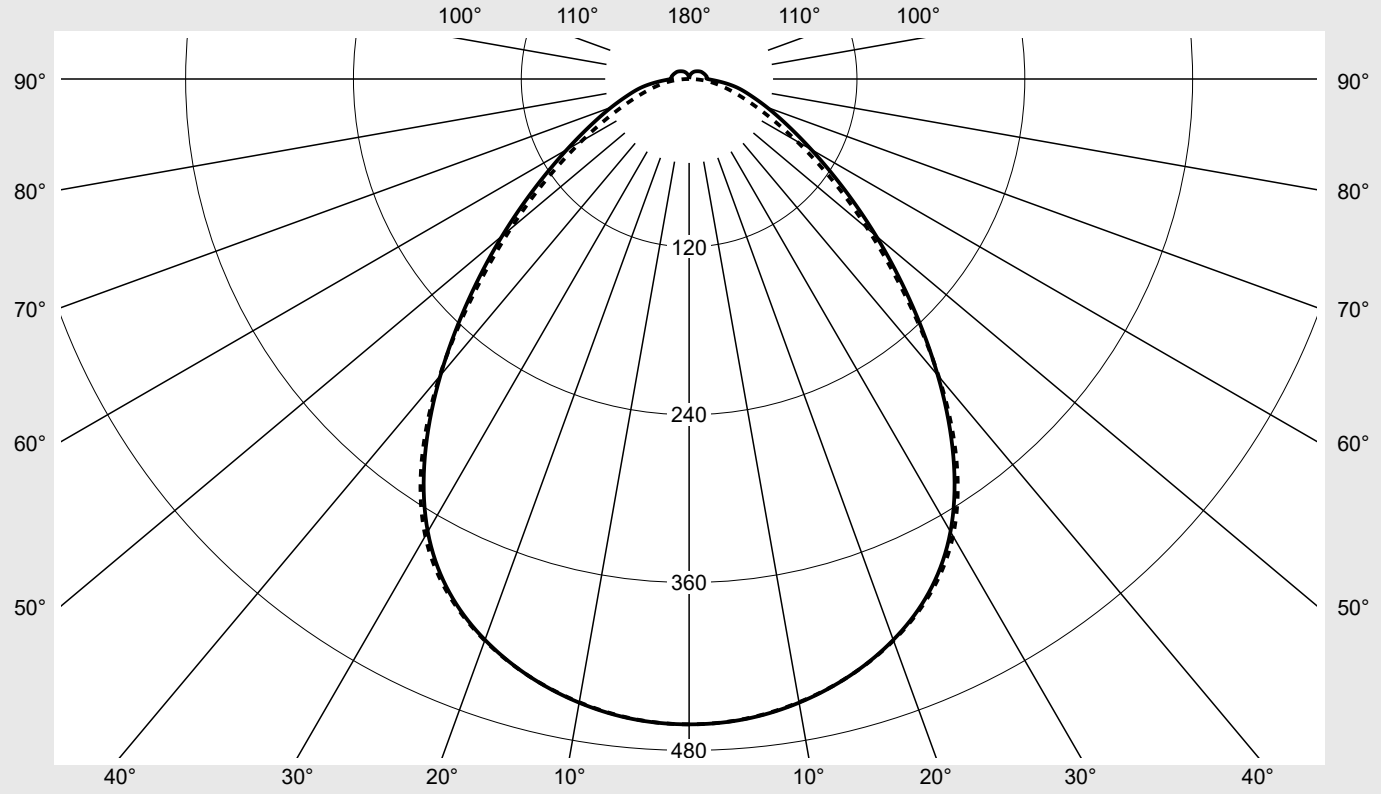
**Seriendokumentation**
**20.05.2026**

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## Lichtstärke in cd/klm

C180-0 C270-90

**Imax: 461 cd/klm**




### Klassifizierungen

| | |
|---|---|
| DIN 5040 | A 5 1 |
| CIE | N1=61 N2=87 N3=97 N4=97 N5=100 |

### Leuchtenbetriebswirkungsgrade

| | |
|---|---|
| $\eta$LB | 100,0% |
| $\phi_u$ | 96,9% |
| $\phi_o$ | 3,1% |

### Messbedingungen

DIN EN 13032 und DIN 5032

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### Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

| C-Ebenen | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|---|---|---|---|---|---|---|---|---|---|
| γ | Lichtstärke in cd/klm | | | | | | | Lichtstrom in lm/klm | |
| 0° | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 2.8 | 2.8 |
| 5° | 459.4 | 459.1 | 459.2 | 459.1 | 459.1 | 458.9 | 459.2 | 21.9 | 24.7 |
| 10° | 452.8 | 452.3 | 452.6 | 452.2 | 452.5 | 452.2 | 452.4 | 43.1 | 67.8 |
| 15° | 442.1 | 441.3 | 442.0 | 441.6 | 442.2 | 441.7 | 442.0 | 62.7 | 130.4 |
| 20° | 426.8 | 425.8 | 426.8 | 426.4 | 427.3 | 426.7 | 427.3 | 80.0 | 210.4 |
| 25° | 405.3 | 404.1 | 405.7 | 405.3 | 406.7 | 406.0 | 406.9 | 94.0 | 304.4 |
| 30° | 373.7 | 372.1 | 374.7 | 374.3 | 376.6 | 375.8 | 377.3 | 102.7 | 407.1 |
| 35° | 329.4 | 327.4 | 330.7 | 330.2 | 332.9 | 331.2 | 333.4 | 104.0 | 511.1 |
| 40° | 276.6 | 274.1 | 276.8 | 275.9 | 278.9 | 276.1 | 277.7 | 97.4 | 608.5 |
| 45° | 222.9 | 219.6 | 220.9 | 219.3 | 222.4 | 217.7 | 218.2 | 85.3 | 693.8 |
| 50° | 174.4 | 171.2 | 171.4 | 169.7 | 171.1 | 166.2 | 166.5 | 71.4 | 765.2 |
| 55° | 133.1 | 129.8 | 129.4 | 127.3 | 127.2 | 122.9 | 123.6 | 57.2 | 822.4 |
| 60° | 100.8 | 96.8 | 95.6 | 92.8 | 92.4 | 88.6 | 88.7 | 44.4 | 866.8 |
| 65° | 76.9 | 72.2 | 70.3 | 66.6 | 66.9 | 62.9 | 62.1 | 33.8 | 900.6 |
| 70° | 59.3 | 54.7 | 52.5 | 48.1 | 48.7 | 44.3 | 43.1 | 25.7 | 926.3 |
| 75° | 45.5 | 41.8 | 39.8 | 34.7 | 34.7 | 30.6 | 29.6 | 19.3 | 945.7 |
| 80° | 34.6 | 31.6 | 29.4 | 23.8 | 22.7 | 19.7 | 19.2 | 13.9 | 959.5 |
| 85° | 22.2 | 20.2 | 18.0 | 13.5 | 12.3 | 10.0 | 9.8 | 8.2 | 967.7 |
| 90° | 13.3 | 11.8 | 8.8 | 5.0 | 3.4 | 2.0 | 1.4 | 3.5 | 971.2 |
| 95° | 12.6 | 11.5 | 8.3 | 4.7 | 2.9 | 1.3 | 1.0 | 3.2 | 974.5 |
| 100° | 12.4 | 11.4 | 8.1 | 4.6 | 2.9 | 1.5 | 0.9 | 3.2 | 977.6 |
| 105° | 11.8 | 10.9 | 7.8 | 4.6 | 2.9 | 1.5 | 0.8 | 3.0 | 980.6 |
| 110° | 11.2 | 10.3 | 7.6 | 4.6 | 2.9 | 1.5 | 0.8 | 2.8 | 983.4 |
| 115° | 10.7 | 9.8 | 7.6 | 4.9 | 2.9 | 1.5 | 0.8 | 2.7 | 986.1 |
| 120° | 10.1 | 9.4 | 7.4 | 5.0 | 2.9 | 1.5 | 0.7 | 2.5 | 988.6 |
| 125° | 9.4 | 8.7 | 7.1 | 4.9 | 3.0 | 1.5 | 0.7 | 2.3 | 990.9 |
| 130° | 8.6 | 8.0 | 6.6 | 4.9 | 3.0 | 1.5 | 0.7 | 2.0 | 992.9 |
| 135° | 7.8 | 7.3 | 6.3 | 4.7 | 2.9 | 1.4 | 0.6 | 1.7 | 994.6 |
| 140° | 7.1 | 6.7 | 5.8 | 4.4 | 2.8 | 1.4 | 0.7 | 1.5 | 996.1 |
| 145° | 6.4 | 6.1 | 5.2 | 4.0 | 2.7 | 1.5 | 0.8 | 1.2 | 997.3 |
| 150° | 5.6 | 5.3 | 4.6 | 3.6 | 2.5 | 1.5 | 1.0 | 1.0 | 998.2 |
| 155° | 4.8 | 4.5 | 4.0 | 3.2 | 2.2 | 1.5 | 1.1 | 0.7 | 998.9 |
| 160° | 3.9 | 3.7 | 3.3 | 2.6 | 1.9 | 1.5 | 1.2 | 0.5 | 999.4 |
| 165° | 3.1 | 2.9 | 2.7 | 2.2 | 1.8 | 1.5 | 1.3 | 0.3 | 999.7 |
| 170° | 2.3 | 2.3 | 2.1 | 1.8 | 1.6 | 1.5 | 1.4 | 0.2 | 999.9 |
| 175° | 1.8 | 1.7 | 1.6 | 1.5 | 1.5 | 1.5 | 1.4 | 0.1 | 1000.0 |
| 180° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1000.0 |

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## UGR-Tabelle

Standardraum

| Reflexionsgrad Decke | | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Reflexionsgrad Wände | | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 |
| Reflexionsgrad Boden | | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 |
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 17,5 | 19,1 | 17,9 | 19,4 | 19,7 | 17,4 | 19,0 | 17,8 | 19,3 | 19,6 |
| | 3H | 18,5 | 19,9 | 18,9 | 20,2 | 20,6 | 18,1 | 19,5 | 18,5 | 19,9 | 20,2 |
| | 4H | 19,0 | 20,3 | 19,4 | 20,6 | 21,0 | 18,4 | 19,7 | 18,8 | 20,1 | 20,5 |
| | 6H | 19,5 | 20,7 | 19,9 | 21,0 | 21,4 | 18,7 | 19,9 | 19,1 | 20,3 | 20,7 |
| | 8H | 19,8 | 20,9 | 20,2 | 21,2 | 21,7 | 18,9 | 20,0 | 19,3 | 20,3 | 20,7 |
| | 12H | 20,0 | 21,0 | 20,4 | 21,4 | 21,8 | 19,0 | 20,0 | 19,4 | 20,4 | 20,8 |
| 4H | 2H | 17,9 | 19,2 | 18,3 | 19,6 | 19,9 | 17,8 | 19,1 | 18,2 | 19,5 | 19,9 |
| | 3H | 19,0 | 20,1 | 19,5 | 20,5 | 20,9 | 18,8 | 19,8 | 19,2 | 20,2 | 20,6 |
| | 4H | 19,7 | 20,7 | 20,1 | 21,1 | 21,5 | 19,2 | 20,1 | 19,6 | 20,6 | 21,0 |
| | 6H | 20,3 | 21,2 | 20,8 | 21,6 | 22,1 | 19,5 | 20,4 | 20,0 | 20,8 | 21,3 |
| | 8H | 20,7 | 21,4 | 21,1 | 21,9 | 22,4 | 19,7 | 20,5 | 20,2 | 20,9 | 21,4 |
| | 12H | 21,0 | 21,7 | 21,5 | 22,1 | 22,6 | 19,8 | 20,5 | 20,3 | 21,0 | 21,5 |
| 8H | 4H | 19,9 | 20,6 | 20,3 | 21,1 | 21,6 | 19,4 | 20,2 | 19,9 | 20,6 | 21,1 |
| | 6H | 20,7 | 21,3 | 21,2 | 21,8 | 22,3 | 19,9 | 20,5 | 20,4 | 21,0 | 21,5 |
| | 8H | 21,1 | 21,7 | 21,6 | 22,2 | 22,7 | 20,1 | 20,7 | 20,6 | 21,2 | 21,7 |
| | 12H | 21,5 | 22,0 | 22,0 | 22,5 | 23,0 | 20,3 | 20,8 | 20,8 | 21,3 | 21,8 |
| 12H | 4H | 19,9 | 20,6 | 20,4 | 21,0 | 21,5 | 19,5 | 20,1 | 19,9 | 20,6 | 21,1 |
| | 6H | 20,7 | 21,3 | 21,2 | 21,8 | 22,3 | 20,0 | 20,5 | 20,5 | 21,0 | 21,5 |
| | 8H | 21,2 | 21,7 | 21,7 | 22,2 | 22,7 | 20,2 | 20,7 | 20,8 | 21,2 | 21,8 |

## Leuchtdichten-Tabelle

Max. für $\gamma >= 65°$

Lichttechnische Abmessungen in mm: L = 1534, B = 200, H(C0) = 13, H(C90) = 0, H(C180) = 13, H(C270) = 0

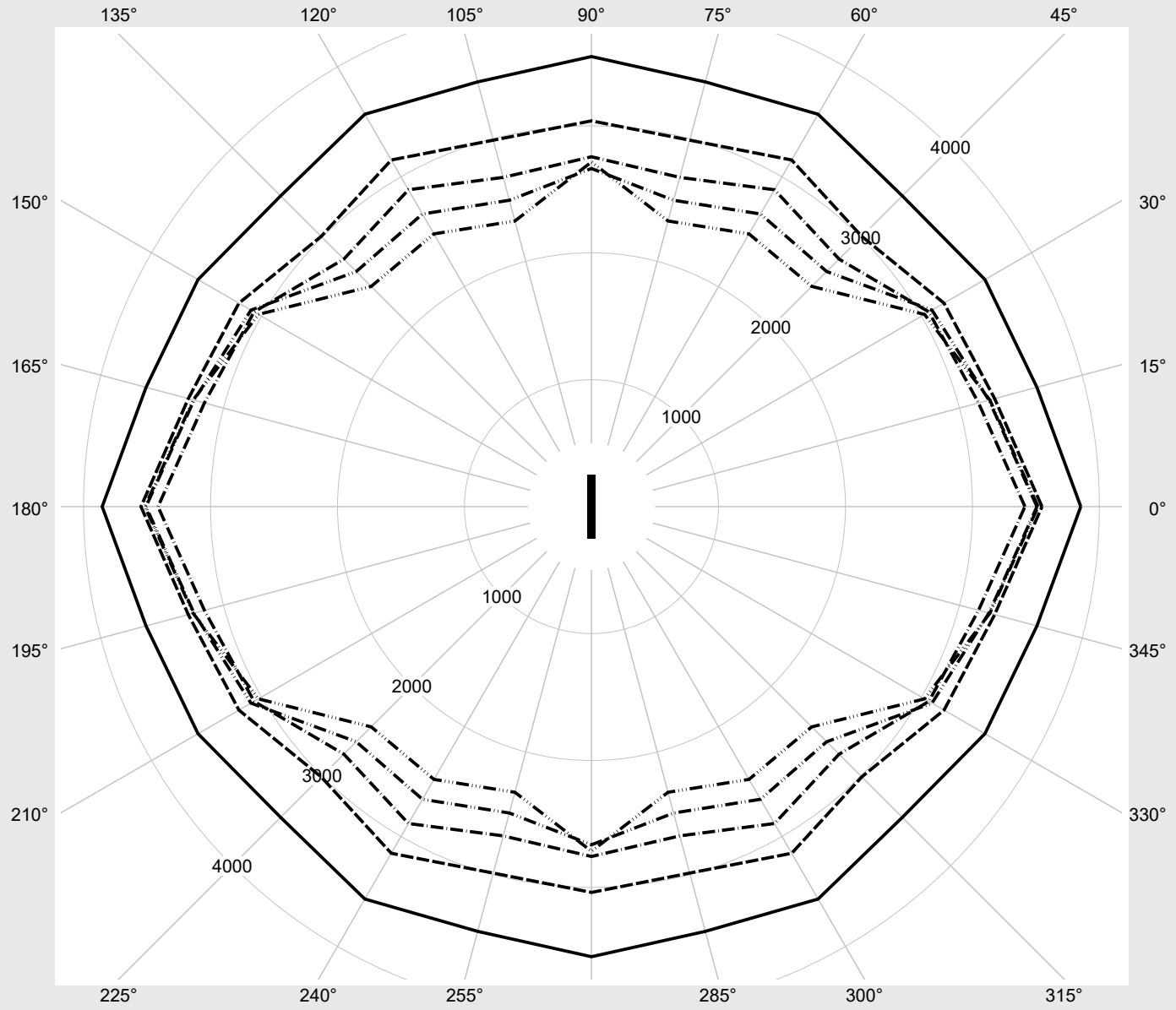
| C-Ebenen | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° |
|---|---|---|---|---|---|---|---|
| γ | Leuchtdichte in cd/m² | | | | | | |
| 45° | 7138.6 | 7047.7 | 7132.2 | 7153.1 | 7348.0 | 7303.7 | 7442.9 |
| 50° | 6074.6 | 5977.0 | 6025.7 | 6037.0 | 6179.6 | 6115.0 | 6249.3 |
| 55° | 5121.5 | 5007.4 | 5034.7 | 5022.4 | 5109.8 | 5048.6 | 5195.8 |
| 60° | 4372.4 | 4213.1 | 4201.1 | 4148.3 | 4218.8 | 4154.9 | 4276.6 |
| 65° | 3853.3 | 3631.9 | 3577.9 | 3462.1 | 3569.5 | 3464.1 | 3545.8 |
| 70° | 3547.9 | 3287.2 | 3206.0 | 3010.7 | 3153.3 | 2988.7 | 3039.2 |
| 75° | 3413.7 | 3155.7 | 3068.3 | 2757.9 | 2882.6 | 2685.4 | 2756.3 |
| 80° | 3508.4 | 3240.4 | 3096.4 | 2619.6 | 2662.2 | 2498.8 | 2663.8 |
| 85° | 3517.3 | 3247.5 | 3028.8 | 2453.5 | 2481.2 | 2329.7 | 2714.9 |

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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**

| DIP-Stufe | Schalterstellung 1 | 2 | 3 | 4 | Lichtstrom [lm] | Systemleistung [W] |
|---|---|---|---|---|---|---|
| 10 | OFF | ON | OFF | ON | 7400 | 57.0 |
| 11 | ON | ON | OFF | ON | 6400 | 48.0 |
| 12 | OFF | OFF | ON | ON | 5400 | 40.0 |
| 13 | ON | OFF | ON | ON | 4400 | 32.0 |