

## Lichttechnischer Prüfbefund

**Familie**  
**Monsun® 11**

**Bestell-Nr.: 51FP207L440L005**  
**EAN: 4069025713315**

**LP-Nummer**  
**59394\_98**



**Ausführung** Prismenwanne, opal, PC, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG  
**Bemessungswerte** Nettolichtstrom = 4520 lm  
 Systemleistung = 27.2 W  
 Lichtausbeute = 166.2 lm/W

**Seriendokumentation**  
**20.02.2026**

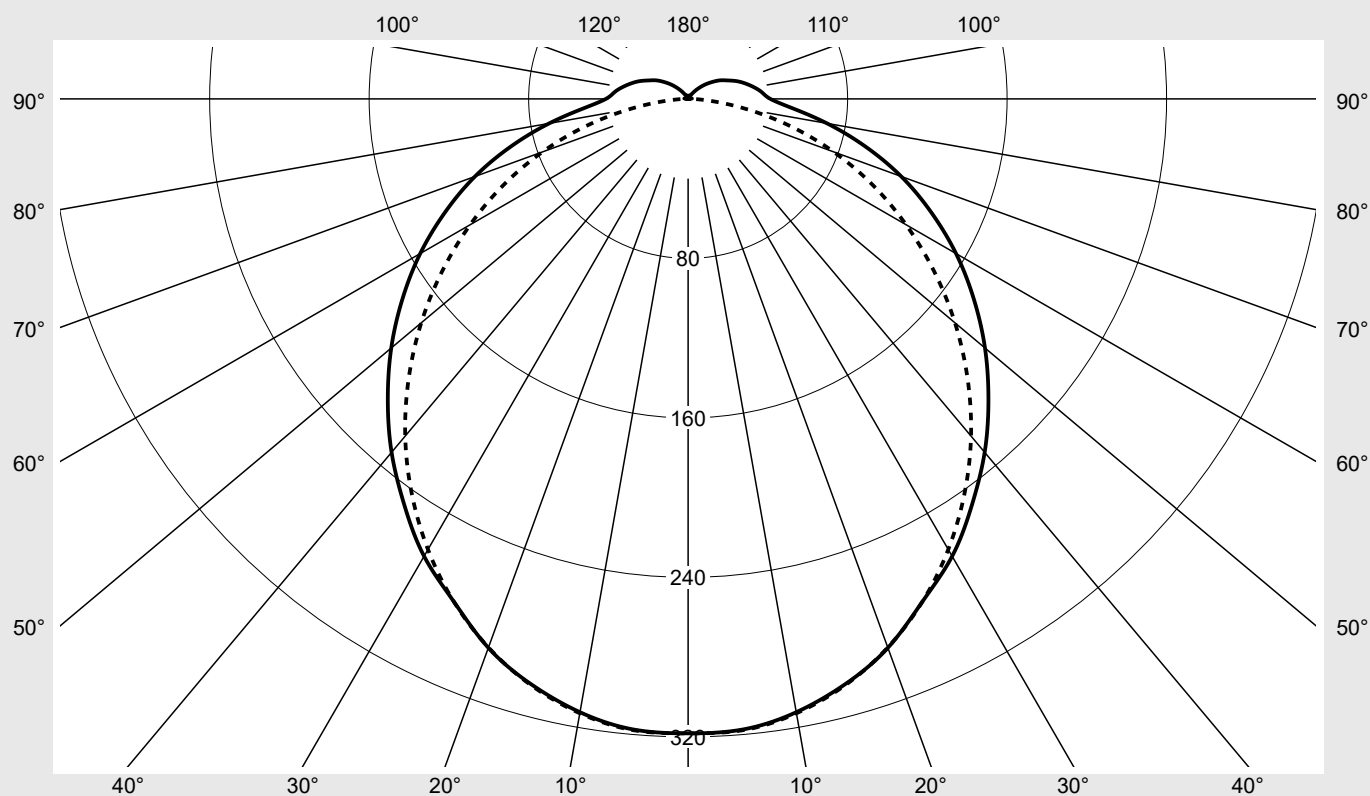
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 318 cd/klm**



### Klassifizierungen

DIN 5040 A 4 1  
 CIE N1=45 N2=75 N3=93  
 N4=94 N5=100

### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  93,7%  
 $\phi_o$  6,3%

### Messbedingungen

DIN EN 13032 und DIN 5032

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|                                 |                                                    |                       |
|---------------------------------|----------------------------------------------------|-----------------------|
| Familie<br>Monsun® 11           | Bestell-Nr.: 51FP207L440L005<br>EAN: 4069025713315 | LP-Nummer<br>59394_98 |
| Wertetabelle Lichtstärkemessung |                                                    | Maximale Lichtstärke  |



| C-<br>Ebenen | 0°<br>180°            | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |                             |                             |                             |                             |                             |             | Lichtstrom in lm/klm |                   |
| 0°           | 318.2                 | 318.2                       | 318.2                       | 318.2                       | 318.2                       | 318.2                       | 318.2       | 1.9                  | 1.9               |
| 5°           | 317.5                 | 317.5                       | 315.1                       | 315.9                       | 316.6                       | 317.2                       | 317.8       | 15.1                 | 17.0              |
| 10°          | 312.4                 | 312.6                       | 310.3                       | 310.8                       | 311.5                       | 312.2                       | 312.9       | 29.7                 | 46.7              |
| 15°          | 304.0                 | 304.5                       | 302.1                       | 302.5                       | 303.1                       | 303.6                       | 304.5       | 43.0                 | 89.7              |
| 20°          | 293.0                 | 293.3                       | 291.0                       | 291.0                       | 291.4                       | 291.9                       | 292.8       | 54.7                 | 144.5             |
| 25°          | 278.2                 | 280.0                       | 277.5                       | 276.9                       | 276.9                       | 277.3                       | 278.2       | 64.3                 | 208.8             |
| 30°          | 264.9                 | 265.0                       | 262.4                       | 260.7                       | 260.0                       | 260.0                       | 261.0       | 71.8                 | 280.6             |
| 35°          | 248.3                 | 248.5                       | 245.7                       | 243.1                       | 241.2                       | 240.6                       | 241.7       | 76.7                 | 357.3             |
| 40°          | 231.4                 | 230.9                       | 227.8                       | 224.4                       | 221.2                       | 219.7                       | 220.8       | 79.3                 | 436.6             |
| 45°          | 213.0                 | 212.5                       | 208.9                       | 204.3                       | 200.0                       | 197.3                       | 198.2       | 79.4                 | 515.9             |
| 50°          | 194.4                 | 193.4                       | 189.5                       | 184.3                       | 178.4                       | 174.4                       | 174.7       | 77.3                 | 593.2             |
| 55°          | 174.9                 | 174.0                       | 169.9                       | 163.6                       | 156.5                       | 151.3                       | 150.6       | 73.2                 | 666.4             |
| 60°          | 155.2                 | 153.6                       | 149.3                       | 142.2                       | 134.7                       | 128.1                       | 126.2       | 67.1                 | 733.5             |
| 65°          | 134.5                 | 133.3                       | 127.9                       | 120.6                       | 112.6                       | 105.3                       | 102.1       | 59.5                 | 793.0             |
| 70°          | 113.8                 | 111.2                       | 106.2                       | 98.6                        | 90.1                        | 81.8                        | 77.7        | 50.1                 | 843.1             |
| 75°          | 91.9                  | 90.6                        | 84.2                        | 76.2                        | 67.3                        | 58.7                        | 53.5        | 39.7                 | 882.8             |
| 80°          | 70.8                  | 68.8                        | 62.9                        | 54.4                        | 45.2                        | 36.1                        | 30.1        | 28.6                 | 911.4             |
| 85°          | 52.2                  | 50.3                        | 44.7                        | 36.3                        | 26.8                        | 17.6                        | 11.2        | 18.9                 | 930.2             |
| 90°          | 41.3                  | 39.2                        | 33.7                        | 25.7                        | 16.7                        | 7.7                         | 2.0         | 13.2                 | 943.5             |
| 95°          | 37.2                  | 35.5                        | 30.5                        | 23.1                        | 14.2                        | 5.7                         | 1.8         | 11.7                 | 955.1             |
| 100°         | 33.6                  | 31.9                        | 27.2                        | 20.0                        | 11.9                        | 4.1                         | 1.6         | 10.1                 | 965.3             |
| 105°         | 29.8                  | 28.2                        | 23.6                        | 17.2                        | 9.5                         | 2.6                         | 1.4         | 8.5                  | 973.8             |
| 110°         | 26.0                  | 24.2                        | 20.2                        | 14.2                        | 7.2                         | 1.5                         | 1.2         | 7.0                  | 980.8             |
| 115°         | 21.9                  | 20.5                        | 16.9                        | 11.4                        | 5.1                         | 1.4                         | 1.2         | 5.5                  | 986.3             |
| 120°         | 18.6                  | 17.0                        | 13.7                        | 8.7                         | 3.2                         | 1.3                         | 1.1         | 4.3                  | 990.6             |
| 125°         | 14.8                  | 13.4                        | 10.4                        | 6.0                         | 1.7                         | 1.3                         | 1.1         | 3.1                  | 993.6             |
| 130°         | 11.3                  | 10.0                        | 7.4                         | 3.7                         | 1.5                         | 1.3                         | 1.1         | 2.1                  | 995.7             |
| 135°         | 7.8                   | 6.8                         | 4.7                         | 1.9                         | 1.5                         | 1.3                         | 1.0         | 1.3                  | 997.1             |
| 140°         | 4.8                   | 4.0                         | 2.4                         | 1.7                         | 1.5                         | 1.2                         | 1.0         | 0.8                  | 997.9             |
| 145°         | 2.3                   | 2.1                         | 1.9                         | 1.7                         | 1.5                         | 1.3                         | 1.2         | 0.5                  | 998.4             |
| 150°         | 2.0                   | 2.0                         | 1.9                         | 1.7                         | 1.5                         | 1.4                         | 1.3         | 0.5                  | 998.9             |
| 155°         | 1.9                   | 1.9                         | 1.8                         | 1.7                         | 1.5                         | 1.4                         | 1.3         | 0.4                  | 999.3             |
| 160°         | 1.8                   | 1.8                         | 1.8                         | 1.6                         | 1.5                         | 1.5                         | 1.4         | 0.3                  | 999.6             |
| 165°         | 1.7                   | 1.7                         | 1.6                         | 1.5                         | 1.5                         | 1.5                         | 1.4         | 0.2                  | 999.8             |
| 170°         | 1.5                   | 1.6                         | 1.5                         | 1.5                         | 1.5                         | 1.5                         | 1.4         | 0.1                  | 999.9             |
| 175°         | 1.5                   | 1.5                         | 1.5                         | 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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|                       |     |                                     |                                                    |      |      |      |                                       |      |      |                       |      |
|-----------------------|-----|-------------------------------------|----------------------------------------------------|------|------|------|---------------------------------------|------|------|-----------------------|------|
| Familie<br>Monsun® 11 |     |                                     | Bestell-Nr.: 51FP207L440L005<br>EAN: 4069025713315 |      |      |      |                                       |      |      | LP-Nummer<br>59394_98 |      |
| UGR-Tabelle           |     |                                     | Standardraum                                       |      |      |      |                                       |      |      | siteco                |      |
| 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  | 20,1                                | 21,8                                               | 20,4 | 22,1 | 22,4 | 19,8                                  | 21,5 | 20,2 | 21,8                  | 22,2 |
|                       | 3H  | 21,9                                | 23,5                                               | 22,3 | 23,8 | 24,2 | 21,4                                  | 22,9 | 21,7 | 23,3                  | 23,6 |
|                       | 4H  | 22,8                                | 24,2                                               | 23,1 | 24,6 | 24,9 | 22,0                                  | 23,5 | 22,4 | 23,8                  | 24,2 |
|                       | 6H  | 23,5                                | 24,9                                               | 23,9 | 25,2 | 25,6 | 22,4                                  | 23,8 | 22,8 | 24,1                  | 24,5 |
|                       | 8H  | 23,8                                | 25,1                                               | 24,3 | 25,5 | 25,9 | 22,5                                  | 23,8 | 22,9 | 24,2                  | 24,6 |
|                       | 12H | 24,1                                | 25,3                                               | 24,5 | 25,7 | 26,1 | 22,6                                  | 23,8 | 23,0 | 24,2                  | 24,6 |
| 4H                    | 2H  | 20,8                                | 22,3                                               | 21,2 | 22,7 | 23,0 | 20,6                                  | 22,1 | 21,0 | 22,4                  | 22,8 |
|                       | 3H  | 22,8                                | 24,1                                               | 23,3 | 24,5 | 24,9 | 22,4                                  | 23,6 | 22,8 | 24,0                  | 24,4 |
|                       | 4H  | 23,8                                | 25,0                                               | 24,3 | 25,4 | 25,8 | 23,1                                  | 24,2 | 23,5 | 24,6                  | 25,1 |
|                       | 6H  | 24,7                                | 25,7                                               | 25,2 | 26,1 | 26,6 | 23,6                                  | 24,6 | 24,1 | 25,1                  | 25,5 |
|                       | 8H  | 25,1                                | 26,0                                               | 25,6 | 26,5 | 26,9 | 23,8                                  | 24,7 | 24,2 | 25,2                  | 25,6 |
|                       | 12H | 25,5                                | 26,3                                               | 26,0 | 26,8 | 27,2 | 23,9                                  | 24,7 | 24,4 | 25,2                  | 25,7 |
| 8H                    | 4H  | 24,2                                | 25,1                                               | 24,6 | 25,5 | 26,0 | 23,5                                  | 24,5 | 24,0 | 24,9                  | 25,4 |
|                       | 6H  | 25,2                                | 26,0                                               | 25,7 | 26,5 | 27,0 | 24,2                                  | 25,0 | 24,7 | 25,4                  | 25,9 |
|                       | 8H  | 25,7                                | 26,4                                               | 26,2 | 26,9 | 27,4 | 24,4                                  | 25,1 | 24,9 | 25,6                  | 26,1 |
|                       | 12H | 26,2                                | 26,8                                               | 26,7 | 27,3 | 27,8 | 24,6                                  | 25,2 | 25,1 | 25,7                  | 26,2 |
| 12H                   | 4H  | 24,2                                | 25,1                                               | 24,7 | 25,5 | 26,0 | 23,6                                  | 24,4 | 24,1 | 24,9                  | 25,4 |
|                       | 6H  | 25,3                                | 26,0                                               | 25,8 | 26,5 | 27,0 | 24,3                                  | 25,0 | 24,8 | 25,5                  | 26,0 |
|                       | 8H  | 25,8                                | 26,5                                               | 26,3 | 26,9 | 27,5 | 24,6                                  | 25,2 | 25,1 | 25,7                  | 26,3 |

|                       |          |                                 |                             |                                       |                             |                             |                             |                              |
|-----------------------|----------|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| Leuchtdichten-Tabelle |          | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische<br>Abmessungen in mm: |                             | L = 1299<br>B = 87          | H(C0) = 21<br>H(C90) = 21   | H(C180) = 21<br>H(C270) = 21 |
| C-<br>Ebenen          | $\gamma$ | 0°<br>180°                      | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330°           | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270°                  |
|                       |          |                                 | Leuchtdichte in cd/m²       |                                       |                             |                             |                             |                              |
| 45°                   |          | 9707.1                          | 9713.8                      | 9706.1                                | 9775.9                      | 9969.2                      | 10349.4                     | 11033.2                      |
| 50°                   |          | 9393.5                          | 9378.0                      | 9366.4                                | 9420.1                      | 9564.3                      | 9926.6                      | 10667.5                      |
| 55°                   |          | 9070.8                          | 9060.2                      | 9042.0                                | 9053.4                      | 9150.1                      | 9490.2                      | 10260.9                      |
| 60°                   |          | 8753.9                          | 8709.6                      | 8676.1                                | 8644.3                      | 8735.0                      | 9024.0                      | 9822.6                       |
| 65°                   |          | 8387.4                          | 8360.8                      | 8261.8                                | 8208.3                      | 8269.2                      | 8533.5                      | 9343.0                       |
| 70°                   |          | 7999.3                          | 7874.1                      | 7779.6                                | 7687.0                      | 7688.2                      | 7878.6                      | 8699.2                       |
| 75°                   |          | 7471.4                          | 7425.7                      | 7188.5                                | 7011.2                      | 6916.4                      | 7024.5                      | 7793.9                       |
| 80°                   |          | 6880.1                          | 6750.0                      | 6490.6                                | 6161.4                      | 5904.1                      | 5767.7                      | 6352.6                       |
| 85°                   |          | 6367.7                          | 6218.1                      | 5885.0                                | 5407.0                      | 4837.8                      | 4257.1                      | 4333.8                       |

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

**Leuchtdichten in cd/m²**

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

