

Lichttechnischer Prüfbefund

Familie  
Monsun® 11



Bestell-Nr.: 51FE207P480S  
EAN: 4069025242457

Ausführung

Bestückung

Betriebsgerät

Bemessungswerte

Prismenwanne, opal, PC, breit strahlend

LED 4000 K | CRI ≥ 80

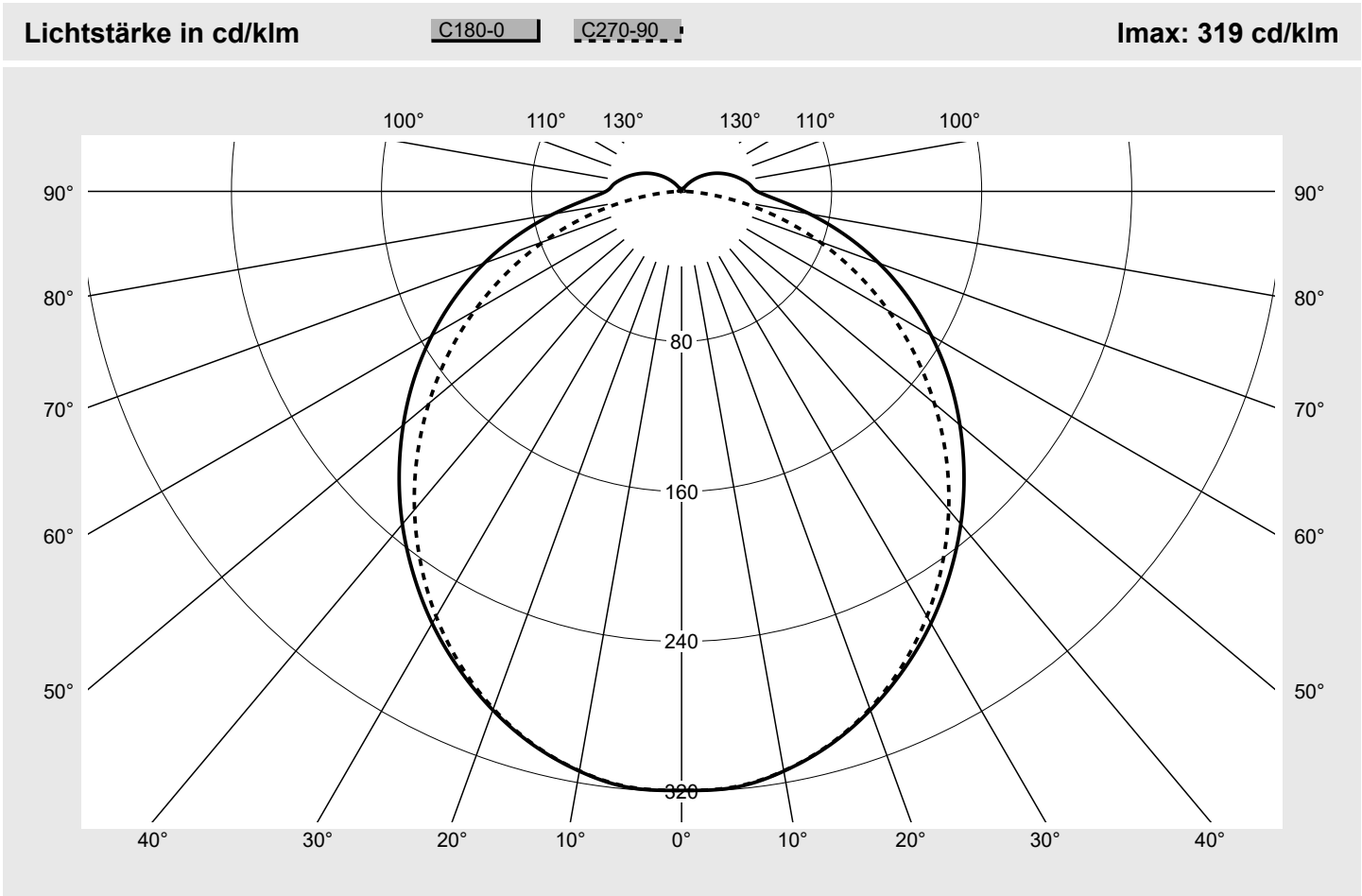
EVG

Nettolichtstrom = 7230 lm  
Systemleistung = 40.0 W  
Lichtausbeute = 180.7 lm/W

LP-Nummer  
59060\_135

Seriedokumentation  
20.08.2024

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| Klassifizierungen |                   | Leuchtenbetriebswirkungsgrade |        |
|-------------------|-------------------|-------------------------------|--------|
| DIN 5040          | A 4 1             | $\eta_{LB}$                   | 100,0% |
| CIE               | N1=45 N2=75 N3=93 | $\phi_u$                      | 93,7%  |
|                   | N4=94 N5=100      | $\phi_o$                      | 6,3%   |

| Messbedingungen           |
|---------------------------|
| DIN EN 13032 und DIN 5032 |

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|                                            |                                                                    |                                                   |
|--------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------|
| <div>Familie</div> <div>Monsun® 11</div>   | <div>Bestell-Nr.: 51FE207P480S</div> <div>EAN: 4069025242457</div> | <div>LP-Nummer</div> <div>59060_135</div>         |
| <div>Wertetabelle Lichtstärkemessung</div> |                                                                    | <div>Maximale Lichtstärke</div> <div>siteco</div> |

| 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°           | 319.4                 | 319.4                       | 319.4                       | 319.4                       | 319.4                       | 319.4                       | 319.4       | 1.9                  | 1.9               |
| 5°           | 319.1                 | 317.8                       | 316.0                       | 317.2                       | 318.6                       | 318.6                       | 318.8       | 15.2                 | 17.1              |
| 10°          | 313.9                 | 312.8                       | 311.0                       | 312.1                       | 313.5                       | 313.5                       | 313.7       | 29.8                 | 46.9              |
| 15°          | 305.6                 | 304.7                       | 302.7                       | 303.7                       | 305.0                       | 304.9                       | 305.2       | 43.2                 | 90.1              |
| 20°          | 294.3                 | 293.5                       | 291.4                       | 292.2                       | 293.3                       | 293.1                       | 293.5       | 54.9                 | 145.0             |
| 25°          | 280.9                 | 280.2                       | 277.7                       | 277.9                       | 278.8                       | 278.5                       | 278.8       | 64.6                 | 209.6             |
| 30°          | 265.9                 | 265.3                       | 262.4                       | 261.6                       | 261.9                       | 261.4                       | 261.7       | 72.0                 | 281.6             |
| 35°          | 249.2                 | 248.5                       | 245.6                       | 243.7                       | 242.9                       | 242.2                       | 242.4       | 77.0                 | 358.5             |
| 40°          | 231.6                 | 230.8                       | 227.5                       | 224.6                       | 222.7                       | 221.4                       | 221.6       | 79.5                 | 438.0             |
| 45°          | 212.9                 | 211.8                       | 208.5                       | 204.2                       | 201.3                       | 199.0                       | 199.4       | 79.5                 | 517.5             |
| 50°          | 193.7                 | 192.3                       | 188.8                       | 183.7                       | 179.4                       | 175.9                       | 176.0       | 77.3                 | 594.9             |
| 55°          | 174.1                 | 172.4                       | 168.8                       | 162.7                       | 157.2                       | 152.3                       | 152.1       | 73.1                 | 667.9             |
| 60°          | 153.8                 | 152.1                       | 148.1                       | 141.4                       | 134.9                       | 128.8                       | 127.5       | 66.9                 | 734.9             |
| 65°          | 133.1                 | 131.4                       | 127.0                       | 119.9                       | 112.8                       | 105.5                       | 102.8       | 59.2                 | 794.0             |
| 70°          | 112.0                 | 110.4                       | 105.0                       | 98.0                        | 90.2                        | 82.2                        | 78.2        | 49.9                 | 843.9             |
| 75°          | 90.5                  | 88.8                        | 83.0                        | 75.7                        | 67.3                        | 58.8                        | 53.6        | 39.3                 | 883.2             |
| 80°          | 69.4                  | 67.4                        | 62.0                        | 54.0                        | 45.3                        | 36.4                        | 30.4        | 28.3                 | 911.6             |
| 85°          | 51.2                  | 49.1                        | 43.8                        | 35.9                        | 26.7                        | 17.7                        | 11.3        | 18.6                 | 930.2             |
| 90°          | 40.3                  | 38.3                        | 33.0                        | 25.3                        | 16.4                        | 7.5                         | 1.9         | 12.9                 | 943.1             |
| 95°          | 36.9                  | 35.1                        | 30.2                        | 22.8                        | 14.1                        | 5.6                         | 1.6         | 11.6                 | 954.7             |
| 100°         | 33.7                  | 31.9                        | 27.1                        | 20.1                        | 11.9                        | 4.0                         | 1.5         | 10.1                 | 964.8             |
| 105°         | 30.1                  | 28.5                        | 23.8                        | 17.3                        | 9.5                         | 2.6                         | 1.3         | 8.6                  | 973.4             |
| 110°         | 26.5                  | 24.6                        | 20.5                        | 14.4                        | 7.3                         | 1.5                         | 1.2         | 7.1                  | 980.4             |
| 115°         | 22.8                  | 21.1                        | 17.3                        | 11.6                        | 5.2                         | 1.3                         | 1.2         | 5.7                  | 986.1             |
| 120°         | 19.1                  | 17.5                        | 14.1                        | 8.9                         | 3.4                         | 1.3                         | 1.1         | 4.4                  | 990.5             |
| 125°         | 15.4                  | 13.9                        | 10.8                        | 6.2                         | 1.7                         | 1.2                         | 1.0         | 3.2                  | 993.6             |
| 130°         | 11.8                  | 10.5                        | 7.7                         | 3.9                         | 1.4                         | 1.2                         | 1.0         | 2.2                  | 995.8             |
| 135°         | 8.3                   | 7.2                         | 5.0                         | 2.0                         | 1.4                         | 1.2                         | 1.1         | 1.4                  | 997.2             |
| 140°         | 5.1                   | 4.3                         | 2.5                         | 1.6                         | 1.3                         | 1.1                         | 1.0         | 0.8                  | 998.0             |
| 145°         | 2.4                   | 2.0                         | 1.8                         | 1.6                         | 1.4                         | 1.2                         | 1.2         | 0.5                  | 998.5             |
| 150°         | 1.9                   | 1.9                         | 1.8                         | 1.5                         | 1.4                         | 1.3                         | 1.2         | 0.4                  | 999.0             |
| 155°         | 1.8                   | 1.8                         | 1.6                         | 1.5                         | 1.4                         | 1.3                         | 1.3         | 0.4                  | 999.3             |
| 160°         | 1.6                   | 1.6                         | 1.5                         | 1.5                         | 1.4                         | 1.4                         | 1.3         | 0.3                  | 999.6             |
| 165°         | 1.5                   | 1.5                         | 1.4                         | 1.4                         | 1.4                         | 1.4                         | 1.3         | 0.2                  | 999.8             |
| 170°         | 1.4                   | 1.4                         | 1.4                         | 1.4                         | 1.4                         | 1.4                         | 1.3         | 0.1                  | 999.9             |
| 175°         | 1.3                   | 1.3                         | 1.3                         | 1.4                         | 1.4                         | 1.4                         | 1.3         | 0.1                  | 1000.0            |
| 180°         | 1.3                   | 1.3                         | 1.3                         | 1.3                         | 1.3                         | 1.3                         | 1.3         | 0.0                  | 1000.0            |

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|                       |     |                                     |                                                 |      |      |      |                                       |      |                        |      |      |
|-----------------------|-----|-------------------------------------|-------------------------------------------------|------|------|------|---------------------------------------|------|------------------------|------|------|
| Familie<br>Monsun® 11 |     |                                     | Bestell-Nr.: 51FE207P480S<br>EAN: 4069025242457 |      |      |      |                                       |      | LP-Nummer<br>59060_135 |      |      |
| 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  | 21,0                                | 22,7                                            | 21,3 | 23,0 | 23,3 | 20,8                                  | 22,5 | 21,1                   | 22,8 | 23,1 |
|                       | 3H  | 22,8                                | 24,4                                            | 23,2 | 24,7 | 25,0 | 22,3                                  | 23,9 | 22,7                   | 24,2 | 24,6 |
|                       | 4H  | 23,6                                | 25,1                                            | 24,0 | 25,4 | 25,8 | 23,0                                  | 24,4 | 23,3                   | 24,8 | 25,2 |
|                       | 6H  | 24,3                                | 25,7                                            | 24,7 | 26,1 | 26,5 | 23,4                                  | 24,8 | 23,8                   | 25,1 | 25,5 |
|                       | 8H  | 24,7                                | 26,0                                            | 25,1 | 26,3 | 26,7 | 23,5                                  | 24,8 | 23,9                   | 25,2 | 25,6 |
|                       | 12H | 25,0                                | 26,2                                            | 25,4 | 26,6 | 27,0 | 23,6                                  | 24,8 | 24,0                   | 25,2 | 25,6 |
| 4H                    | 2H  | 21,7                                | 23,2                                            | 22,1 | 23,5 | 23,9 | 21,6                                  | 23,0 | 22,0                   | 23,4 | 23,8 |
|                       | 3H  | 23,7                                | 25,0                                            | 24,1 | 25,4 | 25,8 | 23,3                                  | 24,6 | 23,7                   | 25,0 | 25,4 |
|                       | 4H  | 24,7                                | 25,8                                            | 25,1 | 26,2 | 26,7 | 24,1                                  | 25,2 | 24,5                   | 25,6 | 26,0 |
|                       | 6H  | 25,5                                | 26,6                                            | 26,0 | 27,0 | 27,4 | 24,6                                  | 25,6 | 25,0                   | 26,0 | 26,5 |
|                       | 8H  | 25,9                                | 26,9                                            | 26,4 | 27,3 | 27,8 | 24,8                                  | 25,7 | 25,2                   | 26,1 | 26,6 |
|                       | 12H | 26,3                                | 27,1                                            | 26,8 | 27,6 | 28,1 | 24,9                                  | 25,7 | 25,3                   | 26,2 | 26,7 |
| 8H                    | 4H  | 25,0                                | 26,0                                            | 25,5 | 26,4 | 26,9 | 24,5                                  | 25,4 | 24,9                   | 25,9 | 26,3 |
|                       | 6H  | 26,1                                | 26,8                                            | 26,5 | 27,3 | 27,8 | 25,2                                  | 25,9 | 25,6                   | 26,4 | 26,9 |
|                       | 8H  | 26,5                                | 27,3                                            | 27,0 | 27,7 | 28,2 | 25,4                                  | 26,1 | 25,9                   | 26,6 | 27,1 |
|                       | 12H | 27,0                                | 27,6                                            | 27,6 | 28,1 | 28,7 | 25,6                                  | 26,2 | 26,1                   | 26,7 | 27,2 |
| 12H                   | 4H  | 25,1                                | 25,9                                            | 25,5 | 26,4 | 26,9 | 24,6                                  | 25,4 | 25,1                   | 25,9 | 26,3 |
|                       | 6H  | 26,1                                | 26,8                                            | 26,6 | 27,3 | 27,8 | 25,3                                  | 26,0 | 25,8                   | 26,5 | 27,0 |
|                       | 8H  | 26,7                                | 27,3                                            | 27,2 | 27,8 | 28,3 | 25,6                                  | 26,2 | 26,1                   | 26,7 | 27,2 |

|                       |          |                                 |                             |                                       |                             |                             |                             |                              |
|-----------------------|----------|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| Leuchtdichten-Tabelle |          | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische<br>Abmessungen in mm: |                             | L = 1590<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°                   |          | 12679.7                         | 12662.2                     | 12676.4                               | 12792.9                     | 13139.7                     | 13679.2                     | 14543.8                      |
| 50°                   |          | 12232.4                         | 12196.6                     | 12215.8                               | 12300.1                     | 12603.7                     | 13124.1                     | 14086.6                      |
| 55°                   |          | 11798.1                         | 11740.3                     | 11757.8                               | 11793.0                     | 12050.5                     | 12531.5                     | 13601.5                      |
| 60°                   |          | 11333.9                         | 11276.6                     | 11272.0                               | 11270.7                     | 11477.3                     | 11909.9                     | 13030.8                      |
| 65°                   |          | 10845.8                         | 10785.0                     | 10735.6                               | 10701.7                     | 10867.5                     | 11229.6                     | 12357.5                      |
| 70°                   |          | 10290.5                         | 10223.4                     | 10080.5                               | 10018.6                     | 10111.1                     | 10404.1                     | 11528.0                      |
| 75°                   |          | 9612.2                          | 9526.5                      | 9289.6                                | 9145.5                      | 9102.7                      | 9273.0                      | 10323.3                      |
| 80°                   |          | 8820.9                          | 8665.3                      | 8398.3                                | 8036.1                      | 7789.1                      | 7681.0                      | 8525.6                       |
| 85°                   |          | 8175.4                          | 7956.6                      | 7581.9                                | 7034.5                      | 6368.8                      | 5691.9                      | 5897.0                       |

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|                                     |                                                               |                                                                                                   |
|-------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Familie</b><br><b>Monsun® 11</b> | <b>Bestell-Nr.: 51FE207P480S</b><br><b>EAN: 4069025242457</b> | <b>LP-Nummer</b><br><b>59060_135</b>                                                              |
| <b>Leuchtdichten in cd/m²</b>       |                                                               | <div> <div>γ 65°</div> <div>γ 70°</div> <div>γ 75°</div> <div>γ 80°</div> <div>γ 85°</div> </div> |

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