

## Lichttechnischer Prüfbefund

**Familie**  
**Monsun® 41**

**Bestell-Nr.: 51FK20DD420B**  
**EAN: 4069025570765**

**LP-Nummer**  
**59967\_1**



**Ausführung** Abdeckung PC, diffus strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 2630 lm  
 Systemleistung = 17.5 W  
 Lichtausbeute = 150.3 lm/W

**Seriendokumentation**  
**12.02.2026**

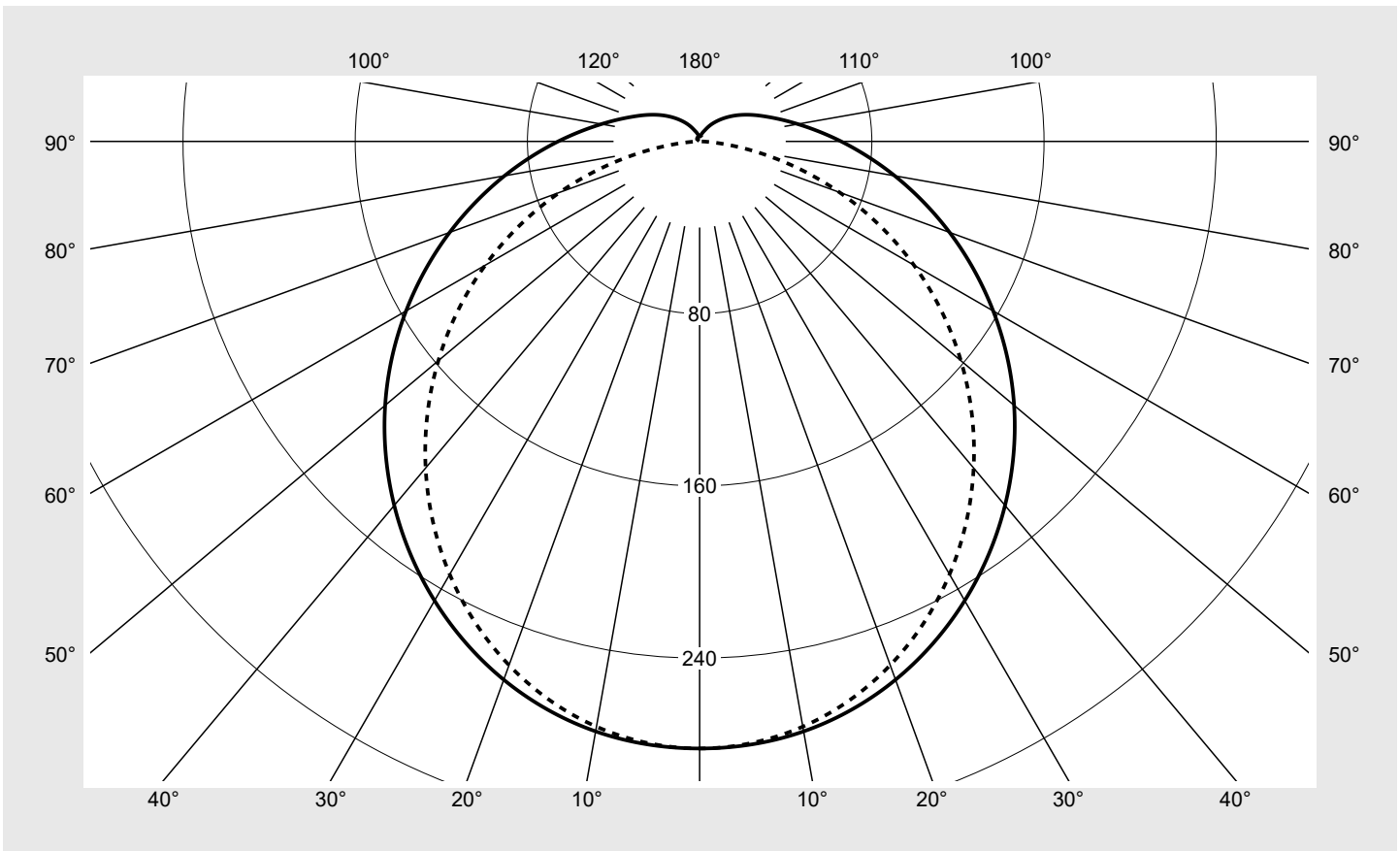
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 282 cd/klm**



**Klassifizierungen**

DIN 5040 A 3 1  
 CIE N1=42 N2=72 N3=90  
 N4=91 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  90,6%  
 $\phi_o$  9,4%

**Messbedingungen**

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

|  |   |                                    |
|--|---|------------------------------------|
| <b>Familie</b><br><b>Monsun® 41</b>    | <b>Bestell-Nr.: 51FK20DD420B</b><br><b>EAN: 4069025570765</b> | <b>LP-Nummer</b><br><b>59967_1</b> |
| <b>Wertetabelle Lichtstärkemessung</b> |   | <b>Maximale Lichtstärke</b>        |
|  |   | <b>sITeco</b>                      |

| C-<br>Ebenen          | 0°<br>180° | 15°                  | 30°                  | 45°                  | 60°                  | 75°                  | 90°<br>270° | Phi-Zone | Summe<br>Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------|-------------------|
|                       |            | 165°<br>195°<br>345° | 150°<br>210°<br>330° | 135°<br>225°<br>315° | 120°<br>240°<br>300° | 105°<br>255°<br>285° |             |          |                   |
| γ                     |            |                      |                      |                      |                      |                      |             |          |                   |
| Lichtstärke in cd/klm |            |                      |                      |                      |                      |                      |             |          |                   |
| Lichtstrom in lm/klm  |            |                      |                      |                      |                      |                      |             |          |                   |
| 0°                    | 282.0      | 282.0                | 282.0                | 282.0                | 282.0                | 282.0                | 282.0       | 1.7      | 1.7               |
| 5°                    | 281.1      | 281.0                | 280.9                | 280.8                | 280.6                | 280.5                | 280.4       | 13.4     | 15.1              |
| 10°                   | 278.3      | 278.0                | 277.7                | 277.2                | 276.6                | 276.2                | 276.0       | 26.4     | 41.5              |
| 15°                   | 273.2      | 272.8                | 272.2                | 271.2                | 270.1                | 269.3                | 268.8       | 38.5     | 79.9              |
| 20°                   | 266.1      | 265.5                | 264.4                | 262.9                | 261.0                | 259.7                | 258.9       | 49.2     | 129.2             |
| 25°                   | 257.0      | 256.2                | 254.6                | 252.4                | 249.8                | 247.9                | 246.6       | 58.4     | 187.6             |
| 30°                   | 246.3      | 245.2                | 243.1                | 240.0                | 236.4                | 233.9                | 232.2       | 65.7     | 253.3             |
| 35°                   | 234.1      | 232.7                | 230.0                | 225.9                | 221.4                | 218.1                | 215.9       | 70.9     | 324.2             |
| 40°                   | 220.7      | 218.9                | 215.5                | 210.5                | 204.7                | 200.6                | 198.0       | 74.0     | 398.1             |
| 45°                   | 206.2      | 204.1                | 200.0                | 193.9                | 186.9                | 181.8                | 178.8       | 74.9     | 473.0             |
| 50°                   | 190.7      | 188.3                | 183.5                | 176.3                | 168.1                | 162.1                | 158.4       | 73.7     | 546.7             |
| 55°                   | 174.4      | 171.6                | 166.2                | 158.1                | 148.5                | 141.5                | 137.1       | 70.5     | 617.2             |
| 60°                   | 157.5      | 154.5                | 148.4                | 139.2                | 128.3                | 120.2                | 115.0       | 65.4     | 682.6             |
| 65°                   | 140.4      | 137.0                | 130.3                | 120.1                | 107.8                | 98.5                 | 92.2        | 58.8     | 741.4             |
| 70°                   | 123.6      | 119.9                | 112.4                | 101.2                | 87.4                 | 76.7                 | 69.1        | 51.0     | 792.4             |
| 75°                   | 107.3      | 103.4                | 95.4                 | 83.2                 | 67.7                 | 55.4                 | 46.3        | 42.5     | 834.9             |
| 80°                   | 92.0       | 88.1                 | 79.7                 | 66.9                 | 49.9                 | 36.0                 | 25.1        | 34.1     | 869.0             |
| 85°                   | 78.0       | 74.2                 | 65.7                 | 52.7                 | 35.4                 | 20.5                 | 8.1         | 26.5     | 895.5             |
| 90°                   | 65.7       | 61.9                 | 53.8                 | 41.4                 | 24.9                 | 11.3                 | 0.6         | 20.7     | 916.2             |
| 95°                   | 55.1       | 51.9                 | 44.5                 | 32.8                 | 18.2                 | 7.5                  | 0.7         | 16.6     | 932.8             |
| 100°                  | 46.3       | 43.5                 | 36.9                 | 26.7                 | 14.3                 | 5.7                  | 0.8         | 13.5     | 946.4             |
| 105°                  | 39.2       | 36.7                 | 31.0                 | 22.3                 | 11.6                 | 4.5                  | 0.9         | 11.1     | 957.5             |
| 110°                  | 33.4       | 31.1                 | 26.2                 | 18.6                 | 9.8                  | 4.0                  | 1.1         | 9.2      | 966.7             |
| 115°                  | 28.8       | 26.7                 | 22.3                 | 15.7                 | 8.2                  | 3.3                  | 1.2         | 7.6      | 974.3             |
| 120°                  | 24.8       | 22.7                 | 18.8                 | 13.0                 | 6.9                  | 3.0                  | 1.3         | 6.1      | 980.4             |
| 125°                  | 21.2       | 19.7                 | 16.2                 | 10.8                 | 5.9                  | 2.8                  | 1.5         | 5.0      | 985.4             |
| 130°                  | 17.8       | 16.5                 | 13.6                 | 9.0                  | 5.1                  | 2.6                  | 1.6         | 4.0      | 989.3             |
| 135°                  | 14.8       | 13.7                 | 11.2                 | 7.5                  | 4.6                  | 2.6                  | 1.7         | 3.1      | 992.4             |
| 140°                  | 12.2       | 10.7                 | 8.8                  | 6.3                  | 4.0                  | 2.5                  | 1.8         | 2.3      | 994.7             |
| 145°                  | 9.8        | 8.6                  | 7.1                  | 5.3                  | 3.5                  | 2.4                  | 2.0         | 1.7      | 996.5             |
| 150°                  | 7.6        | 6.8                  | 5.8                  | 4.5                  | 3.2                  | 2.4                  | 2.1         | 1.3      | 997.7             |
| 155°                  | 5.7        | 5.4                  | 4.8                  | 3.8                  | 2.9                  | 2.4                  | 2.2         | 0.9      | 998.6             |
| 160°                  | 4.5        | 4.3                  | 3.8                  | 3.3                  | 2.7                  | 2.4                  | 2.2         | 0.6      | 999.2             |
| 165°                  | 3.6        | 3.3                  | 3.1                  | 2.8                  | 2.5                  | 2.3                  | 2.3         | 0.4      | 999.6             |
| 170°                  | 2.8        | 2.7                  | 2.6                  | 2.5                  | 2.4                  | 2.4                  | 2.3         | 0.2      | 999.9             |
| 175°                  | 2.5        | 2.4                  | 2.4                  | 2.4                  | 2.4                  | 2.4                  | 2.4         | 0.1      | 1000.0            |
| 180°                  | 2.4        | 2.4                  | 2.4                  | 2.4                  | 2.4                  | 2.4                  | 2.4         | 0.0      | 1000.0            |

## Lichttechnischer Prüfbefund

|                                     |   |                                    |
|-------------------------------------|---|------------------------------------|
| <b>Familie</b><br><b>Monsun® 41</b> | <b>Bestell-Nr.: 51FK20DD420B</b><br><b>EAN: 4069025570765</b> | <b>LP-Nummer</b><br><b>59967_1</b> |
|-------------------------------------|---|------------------------------------|

| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 22,1                                | 23,8 | 22,4 | 24,2 | 24,5 | 21,6                                  | 23,3 | 21,9 | 23,6 | 24,0 |
|                 | 3H  | 24,1                                | 25,7 | 24,5 | 26,0 | 26,4 | 23,1                                  | 24,7 | 23,5 | 25,1 | 25,4 |
|                 | 4H  | 25,1                                | 26,6 | 25,5 | 26,9 | 27,3 | 23,7                                  | 25,2 | 24,1 | 25,6 | 25,9 |
|                 | 6H  | 26,0                                | 27,4 | 26,5 | 27,8 | 28,2 | 24,1                                  | 25,5 | 24,5 | 25,9 | 26,3 |
|                 | 8H  | 26,5                                | 27,9 | 27,0 | 28,2 | 28,6 | 24,2                                  | 25,6 | 24,6 | 25,9 | 26,3 |
|                 | 12H | 27,0                                | 28,2 | 27,4 | 28,6 | 29,0 | 24,3                                  | 25,5 | 24,7 | 25,9 | 26,4 |
| 4H              | 2H  | 22,8                                | 24,3 | 23,2 | 24,7 | 25,1 | 22,4                                  | 23,9 | 22,8 | 24,3 | 24,7 |
|                 | 3H  | 25,0                                | 26,4 | 25,5 | 26,7 | 27,1 | 24,2                                  | 25,5 | 24,6 | 25,9 | 26,3 |
|                 | 4H  | 26,2                                | 27,4 | 26,6 | 27,8 | 28,2 | 24,9                                  | 26,1 | 25,3 | 26,5 | 26,9 |
|                 | 6H  | 27,3                                | 28,4 | 27,8 | 28,8 | 29,3 | 25,4                                  | 26,5 | 25,9 | 26,9 | 27,4 |
|                 | 8H  | 27,9                                | 28,9 | 28,3 | 29,3 | 29,8 | 25,6                                  | 26,6 | 26,0 | 27,0 | 27,5 |
|                 | 12H | 28,5                                | 29,3 | 28,9 | 29,8 | 30,3 | 25,7                                  | 26,6 | 26,2 | 27,0 | 27,5 |
| 8H              | 4H  | 26,5                                | 27,5 | 27,0 | 28,0 | 28,4 | 25,5                                  | 26,4 | 25,9 | 26,9 | 27,3 |
|                 | 6H  | 27,9                                | 28,7 | 28,4 | 29,2 | 29,7 | 26,2                                  | 27,0 | 26,7 | 27,5 | 28,0 |
|                 | 8H  | 28,6                                | 29,4 | 29,1 | 29,8 | 30,3 | 26,4                                  | 27,2 | 26,9 | 27,7 | 28,2 |
|                 | 12H | 29,3                                | 30,0 | 29,8 | 30,5 | 31,0 | 26,6                                  | 27,3 | 27,1 | 27,8 | 28,3 |
| 12H             | 4H  | 26,6                                | 27,5 | 27,1 | 28,0 | 28,4 | 25,6                                  | 26,5 | 26,1 | 26,9 | 27,4 |
|                 | 6H  | 28,0                                | 28,8 | 28,5 | 29,2 | 29,7 | 26,4                                  | 27,2 | 26,9 | 27,6 | 28,1 |
|                 | 8H  | 28,8                                | 29,4 | 29,3 | 29,9 | 30,5 | 26,8                                  | 27,4 | 27,3 | 27,9 | 28,4 |

|  |   |                          |                             |
|--|---|--------------------------|-----------------------------|
| <b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$ | <b>Lichttechnische Abmessungen in mm:</b> L = 530<br>B = 66 | H(C0) = 20<br>H(C90) = 0 | H(C180) = 20<br>H(C270) = 0 |
|--|---|--------------------------|-----------------------------|

| C-<br>Ebenen | $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |                             |                             |                             |                             |                             |             |  |
|--------------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
|              |          | 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° |  |
| 45°          | 16824.4  | 16786.5                           | 16843.5                     | 16976.4                     | 17255.0                     | 17929.4                     | 19012.3                     |             |  |
| 50°          | 16389.2  | 16326.6                           | 16347.7                     | 16428.8                     | 16652.5                     | 17341.1                     | 18532.0                     |             |  |
| 55°          | 15955.3  | 15865.1                           | 15844.7                     | 15863.7                     | 16001.2                     | 16679.6                     | 17970.8                     |             |  |
| 60°          | 15529.4  | 15412.9                           | 15340.0                     | 15270.6                     | 15283.9                     | 15916.0                     | 17287.3                     |             |  |
| 65°          | 15140.6  | 14975.9                           | 14827.5                     | 14640.0                     | 14478.8                     | 15004.4                     | 16401.0                     |             |  |
| 70°          | 14824.3  | 14607.8                           | 14360.9                     | 14003.3                     | 13570.4                     | 13879.5                     | 15199.4                     |             |  |
| 75°          | 14624.5  | 14356.9                           | 13998.7                     | 13430.7                     | 12560.9                     | 12449.2                     | 13460.1                     |             |  |
| 80°          | 14658.1  | 14333.9                           | 13863.7                     | 13071.7                     | 11625.0                     | 10787.6                     | 10870.8                     |             |  |
| 85°          | 15082.9  | 14720.3                           | 14172.5                     | 13183.1                     | 11171.7                     | 9332.8                      | 7012.6                      |             |  |

# Lichttechnischer Prüfbefund

|                                     |   |                                    |
|-------------------------------------|---|------------------------------------|
| <b>Familie</b><br><b>Monsun® 41</b> | <b>Bestell-Nr.: 51FK20DD420B</b><br><b>EAN: 4069025570765</b> | <b>LP-Nummer</b><br><b>59967_1</b> |
|-------------------------------------|---|------------------------------------|

Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

