

## Photometric test report

**Family**  
**Monsun® 21**

**Order number: 51FB207P437C3G**  
**EAN: 4069025178282**

**LP number**  
**59060\_287**



**Version** prismatic diffuser, opal, polycarbonate, wide distribution  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG  
**Setting** AC-mode  
**Rated values** Net luminous flux = 3480 lm  
 Power consumption = 25.9 W  
 Luminous efficacy = 134.4 lm/W

**serial**  
**documentation**  
**06.02.2026**

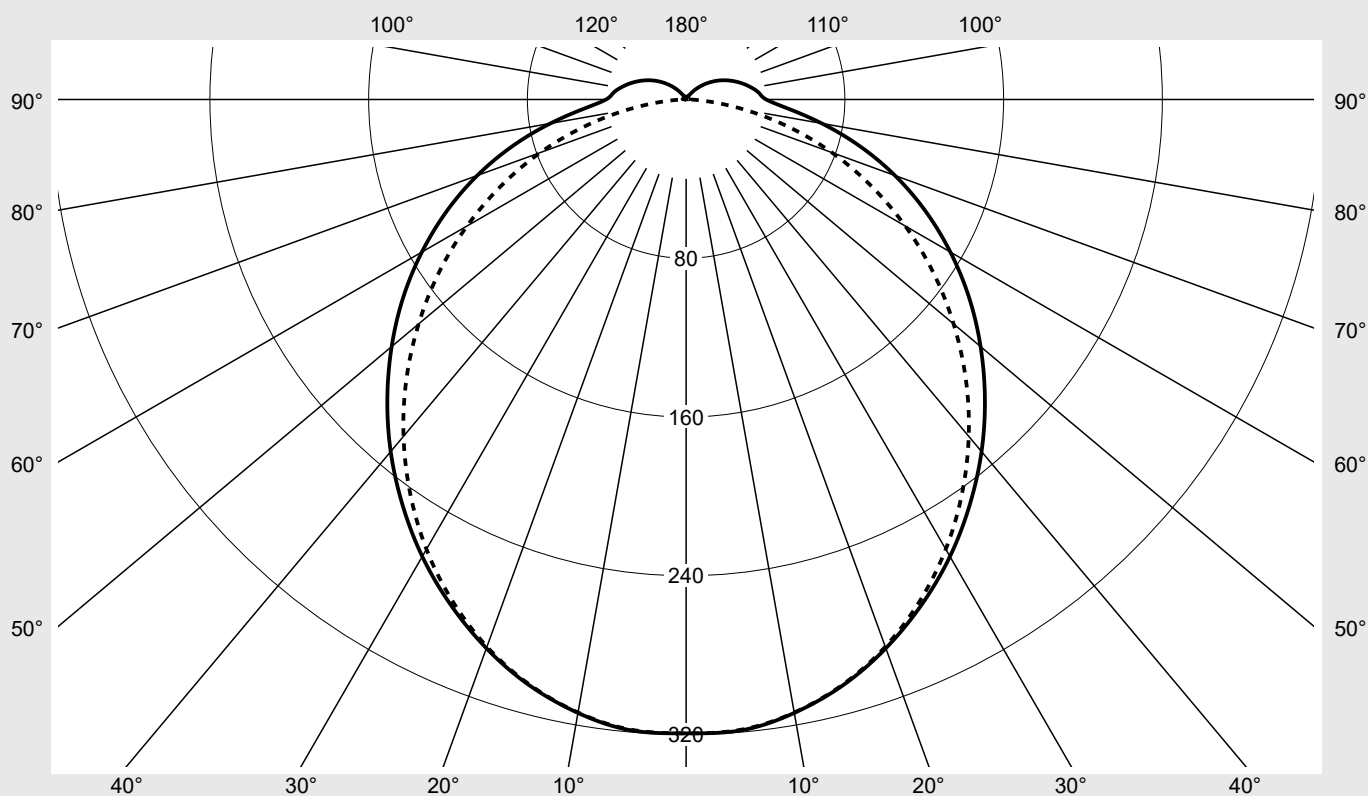
**siteco**

**Luminous intensity in cd/klm**

**C180-0**

**C270-90**

**Imax: 319 cd/klm**



### Classifications

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

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  93.7%  
 $\phi_o$  6.3%

### Measurement conditions

DIN EN 13032 and DIN 5032

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|                                          |                                                    |                            |
|------------------------------------------|----------------------------------------------------|----------------------------|
| Family<br>Monsun® 21                     | Order number: 51FB207P437C3G<br>EAN: 4069025178282 | LP number<br>59060_287     |
| Table of values for luminous intensities |                                                    | Maximum luminous intensity |
|                                          |                                                    | siteco                     |

| C-<br>planes | 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                | Total<br>Phi-zone |
|--------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|-------------------------|-------------------|
| γ            | Luminous intensity in cd/klm |                             |                             |                             |                             |                             |             | Luminous flux 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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|                      |                                                    |                        |
|----------------------|----------------------------------------------------|------------------------|
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|----------------------|----------------------------------------------------|------------------------|

| UGR-Table                    |     | Standard room       |      |      |      |      |                    |      | siTeco |      |      |
|------------------------------|-----|---------------------|------|------|------|------|--------------------|------|--------|------|------|
| Reflection factor of ceiling | 0.7 | 0.7                 | 0.5  | 0.5  | 0.3  | 0.7  | 0.7                | 0.5  | 0.5    | 0.3  |      |
| Reflection factor of walls   | 0.5 | 0.3                 | 0.5  | 0.3  | 0.3  | 0.5  | 0.3                | 0.5  | 0.3    | 0.3  |      |
| Reflection factor of floor   | 0.2 | 0.2                 | 0.2  | 0.2  | 0.2  | 0.2  | 0.2                | 0.2  | 0.2    | 0.2  |      |
| Room dimensions              |     | View crosswise (C0) |      |      |      |      | View endwise (C90) |      |        |      |      |
| x                            | y   |                     |      |      |      |      |                    |      |        |      |      |
| 2H                           | 2H  | 18.4                | 20.2 | 18.8 | 20.5 | 20.8 | 18.2               | 20.0 | 18.6   | 20.3 | 20.6 |
|                              | 3H  | 20.3                | 21.8 | 20.6 | 22.2 | 22.5 | 19.8               | 21.4 | 20.2   | 21.7 | 22.1 |
|                              | 4H  | 21.1                | 22.5 | 21.5 | 22.9 | 23.3 | 20.4               | 21.9 | 20.8   | 22.2 | 22.6 |
|                              | 6H  | 21.8                | 23.2 | 22.2 | 23.5 | 23.9 | 20.8               | 22.2 | 21.2   | 22.6 | 23.0 |
|                              | 8H  | 22.1                | 23.4 | 22.6 | 23.8 | 24.2 | 21.0               | 22.3 | 21.4   | 22.7 | 23.1 |
|                              | 12H | 22.4                | 23.6 | 22.8 | 24.0 | 24.4 | 21.0               | 22.3 | 21.5   | 22.7 | 23.1 |
| 4H                           | 2H  | 19.2                | 20.7 | 19.6 | 21.0 | 21.4 | 19.0               | 20.5 | 19.4   | 20.9 | 21.2 |
|                              | 3H  | 21.2                | 22.5 | 21.6 | 22.8 | 23.2 | 20.8               | 22.0 | 21.2   | 22.4 | 22.8 |
|                              | 4H  | 22.1                | 23.3 | 22.6 | 23.7 | 24.1 | 21.5               | 22.7 | 21.9   | 23.1 | 23.5 |
|                              | 6H  | 23.0                | 24.0 | 23.5 | 24.4 | 24.9 | 22.0               | 23.1 | 22.5   | 23.5 | 23.9 |
|                              | 8H  | 23.4                | 24.3 | 23.9 | 24.8 | 25.2 | 22.2               | 23.2 | 22.7   | 23.6 | 24.1 |
|                              | 12H | 23.8                | 24.6 | 24.3 | 25.1 | 25.5 | 22.3               | 23.2 | 22.8   | 23.6 | 24.1 |
| 8H                           | 4H  | 22.5                | 23.4 | 22.9 | 23.9 | 24.3 | 21.9               | 22.9 | 22.4   | 23.3 | 23.8 |
|                              | 6H  | 23.5                | 24.3 | 24.0 | 24.8 | 25.3 | 22.6               | 23.4 | 23.1   | 23.9 | 24.4 |
|                              | 8H  | 24.0                | 24.7 | 24.5 | 25.2 | 25.7 | 22.9               | 23.6 | 23.4   | 24.0 | 24.6 |
|                              | 12H | 24.5                | 25.1 | 25.0 | 25.6 | 26.1 | 23.0               | 23.6 | 23.5   | 24.1 | 24.7 |
| 12H                          | 4H  | 22.5                | 23.4 | 23.0 | 23.8 | 24.3 | 22.0               | 22.9 | 22.5   | 23.3 | 23.8 |
|                              | 6H  | 23.6                | 24.3 | 24.1 | 24.8 | 25.3 | 22.8               | 23.5 | 23.3   | 23.9 | 24.4 |
|                              | 8H  | 24.2                | 24.8 | 24.7 | 25.2 | 25.8 | 23.1               | 23.7 | 23.6   | 24.2 | 24.7 |

| Luminance table |          | Max. for $\gamma \geq 65^\circ$ |                             | Photometric dimensions in mm: |                             | L = 1590<br>B = 87          |                             | H(C0) = 21<br>H(C90) = 21 |  | H(C180) = 21<br>H(C270) = 21 |  |
|-----------------|----------|---------------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|--|------------------------------|--|
| C-planes        | $\gamma$ | 0°                              | 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°               |  |                              |  |
|                 |          | Luminance in cd/m²              |                             |                               |                             |                             |                             |                           |  |                              |  |
| 45°             |          | 6103.1                          | 6094.7                      | 6101.5                        | 6157.6                      | 6324.5                      | 6584.2                      | 7000.3                    |  |                              |  |
| 50°             |          | 5887.8                          | 5870.5                      | 5879.8                        | 5920.4                      | 6066.5                      | 6317.0                      | 6780.3                    |  |                              |  |
| 55°             |          | 5678.8                          | 5650.9                      | 5659.4                        | 5676.3                      | 5800.3                      | 6031.7                      | 6546.8                    |  |                              |  |
| 60°             |          | 5455.3                          | 5427.8                      | 5425.5                        | 5424.9                      | 5524.3                      | 5732.6                      | 6272.1                    |  |                              |  |
| 65°             |          | 5220.4                          | 5191.1                      | 5167.3                        | 5151.0                      | 5230.8                      | 5405.1                      | 5948.0                    |  |                              |  |
| 70°             |          | 4953.1                          | 4920.8                      | 4852.0                        | 4822.3                      | 4866.8                      | 5007.8                      | 5548.7                    |  |                              |  |
| 75°             |          | 4626.6                          | 4585.4                      | 4471.3                        | 4402.0                      | 4381.4                      | 4463.4                      | 4968.9                    |  |                              |  |
| 80°             |          | 4245.8                          | 4170.8                      | 4042.3                        | 3868.0                      | 3749.1                      | 3697.1                      | 4103.6                    |  |                              |  |
| 85°             |          | 3935.0                          | 3829.8                      | 3649.4                        | 3385.9                      | 3065.5                      | 2739.7                      | 2838.4                    |  |                              |  |

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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