

## Photometric test report

**Family**  
**Monsun® 21**

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

**LP number**  
**59060\_292**



**Version** prismatic diffuser, opal, polycarbonate, wide distribution  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG  
**Setting** emergency light operation: 3 h  
**Rated values** Net luminous flux = 820 lm  
 Power consumption = 4.5 W  
 Luminous efficacy = 182.2 lm/W

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

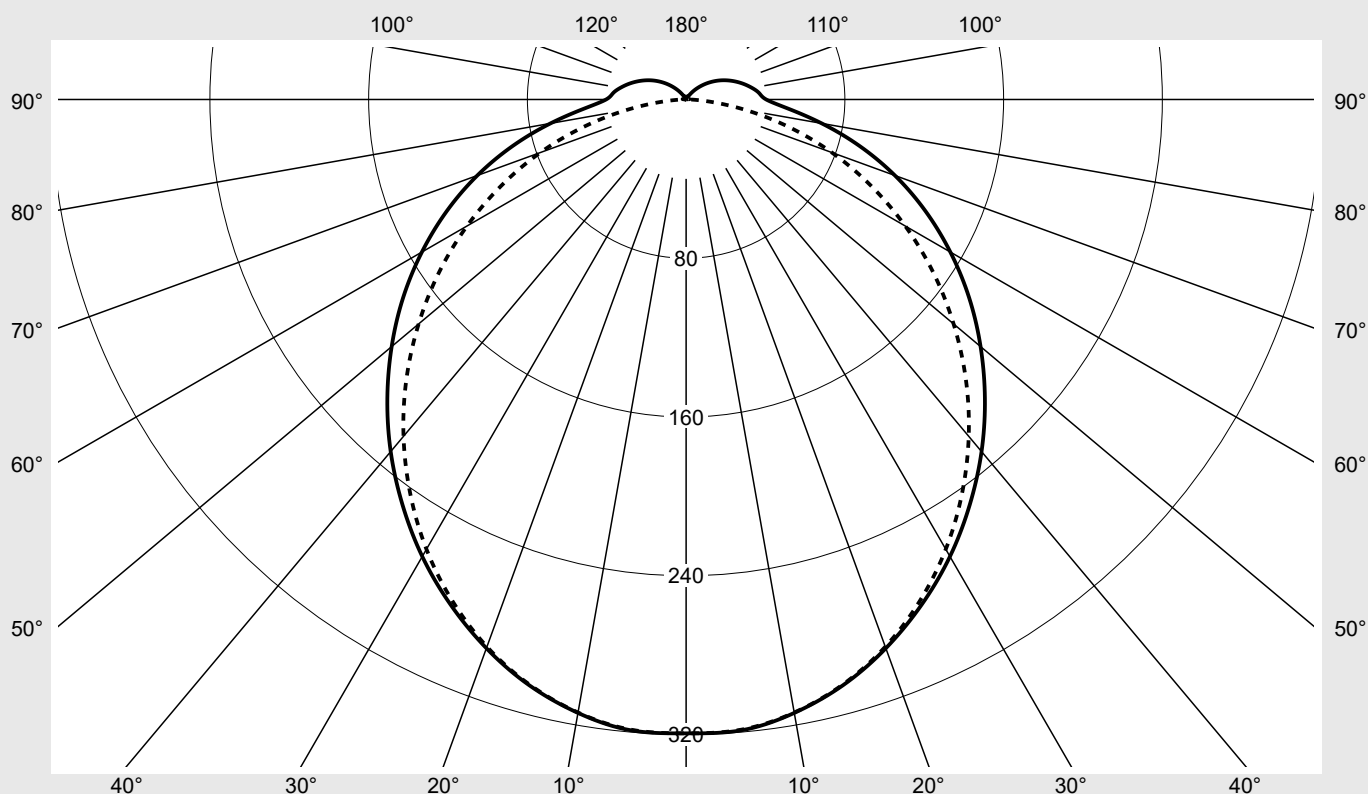
**siteco**

**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

Photometric test report

|                                          |                                                    |                            |
|------------------------------------------|----------------------------------------------------|----------------------------|
| Family<br>Monsun® 21                     | Order number: 51FB207P437C3G<br>EAN: 4069025178282 | LP number<br>59060_292     |
| Table of values for luminous intensities |                                                    | Maximum luminous intensity |

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| 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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|                      |                                                    |                        |
|----------------------|----------------------------------------------------|------------------------|
| Family<br>Monsun® 21 | Order number: 51FB207P437C3G<br>EAN: 4069025178282 | LP number<br>59060_292 |
| 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  | 13.4                | 15.1 | 13.8 | 15.4 | 15.8 | 13.2               | 15.0 | 13.6 | 15.3 | 15.6 |
|                              | 3H  | 15.2                | 16.8 | 15.6 | 17.1 | 17.5 | 14.8               | 16.4 | 15.2 | 16.7 | 17.0 |
|                              | 4H  | 16.1                | 17.5 | 16.4 | 17.9 | 18.2 | 15.4               | 16.9 | 15.8 | 17.2 | 17.6 |
|                              | 6H  | 16.8                | 18.1 | 17.2 | 18.5 | 18.9 | 15.8               | 17.2 | 16.2 | 17.6 | 17.9 |
|                              | 8H  | 17.1                | 18.4 | 17.5 | 18.8 | 19.2 | 16.0               | 17.3 | 16.4 | 17.6 | 18.0 |
|                              | 12H | 17.4                | 18.6 | 17.8 | 19.0 | 19.4 | 16.0               | 17.3 | 16.4 | 17.6 | 18.1 |
| 4H                           | 2H  | 14.1                | 15.6 | 14.5 | 16.0 | 16.4 | 14.0               | 15.5 | 14.4 | 15.8 | 16.2 |
|                              | 3H  | 16.2                | 17.4 | 16.6 | 17.8 | 18.2 | 15.8               | 17.0 | 16.2 | 17.4 | 17.8 |
|                              | 4H  | 17.1                | 18.3 | 17.6 | 18.7 | 19.1 | 16.5               | 17.6 | 16.9 | 18.0 | 18.5 |
|                              | 6H  | 18.0                | 19.0 | 18.4 | 19.4 | 19.9 | 17.0               | 18.0 | 17.5 | 18.5 | 18.9 |
|                              | 8H  | 18.4                | 19.3 | 18.8 | 19.7 | 20.2 | 17.2               | 18.1 | 17.7 | 18.6 | 19.0 |
|                              | 12H | 18.8                | 19.6 | 19.2 | 20.0 | 20.5 | 17.3               | 18.2 | 17.8 | 18.6 | 19.1 |
| 8H                           | 4H  | 17.5                | 18.4 | 17.9 | 18.8 | 19.3 | 16.9               | 17.8 | 17.4 | 18.3 | 18.8 |
|                              | 6H  | 18.5                | 19.3 | 19.0 | 19.7 | 20.2 | 17.6               | 18.4 | 18.1 | 18.8 | 19.3 |
|                              | 8H  | 19.0                | 19.7 | 19.5 | 20.2 | 20.7 | 17.8               | 18.5 | 18.3 | 19.0 | 19.5 |
|                              | 12H | 19.5                | 20.1 | 20.0 | 20.6 | 21.1 | 18.0               | 18.6 | 18.5 | 19.1 | 19.6 |
| 12H                          | 4H  | 17.5                | 18.4 | 18.0 | 18.8 | 19.3 | 17.0               | 17.8 | 17.5 | 18.3 | 18.8 |
|                              | 6H  | 18.6                | 19.3 | 19.1 | 19.8 | 20.3 | 17.8               | 18.4 | 18.2 | 18.9 | 19.4 |
|                              | 8H  | 19.1                | 19.7 | 19.6 | 20.2 | 20.8 | 18.0               | 18.6 | 18.5 | 19.1 | 19.7 |

| Luminance table |                    | Max. for $\gamma \geq 65^\circ$ |                             | Photometric<br>dimensions in mm: | L = 1590<br>B = 87          | H(C0) = 21<br>H(C90) = 21   | H(C180) = 21<br>H(C270) = 21 |
|-----------------|--------------------|---------------------------------|-----------------------------|----------------------------------|-----------------------------|-----------------------------|------------------------------|
| 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°                  |
| $\gamma$        | Luminance in cd/m² |                                 |                             |                                  |                             |                             |                              |
| 45°             | 1438.1             | 1436.1                          | 1437.7                      | 1450.9                           | 1490.3                      | 1551.4                      | 1649.5                       |
| 50°             | 1387.4             | 1383.3                          | 1385.5                      | 1395.0                           | 1429.5                      | 1488.5                      | 1597.6                       |
| 55°             | 1338.1             | 1331.5                          | 1333.5                      | 1337.5                           | 1366.7                      | 1421.3                      | 1542.6                       |
| 60°             | 1285.5             | 1279.0                          | 1278.4                      | 1278.3                           | 1301.7                      | 1350.8                      | 1477.9                       |
| 65°             | 1230.1             | 1223.2                          | 1217.6                      | 1213.8                           | 1232.6                      | 1273.6                      | 1401.5                       |
| 70°             | 1167.1             | 1159.5                          | 1143.3                      | 1136.3                           | 1146.8                      | 1180.0                      | 1307.5                       |
| 75°             | 1090.2             | 1080.5                          | 1053.6                      | 1037.2                           | 1032.4                      | 1051.7                      | 1170.8                       |
| 80°             | 1000.4             | 982.8                           | 952.5                       | 911.4                            | 883.4                       | 871.1                       | 966.9                        |
| 85°             | 927.2              | 902.4                           | 859.9                       | 797.8                            | 722.3                       | 645.6                       | 668.8                        |

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Order number: 51FB207P437C3G  
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LP number  
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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

