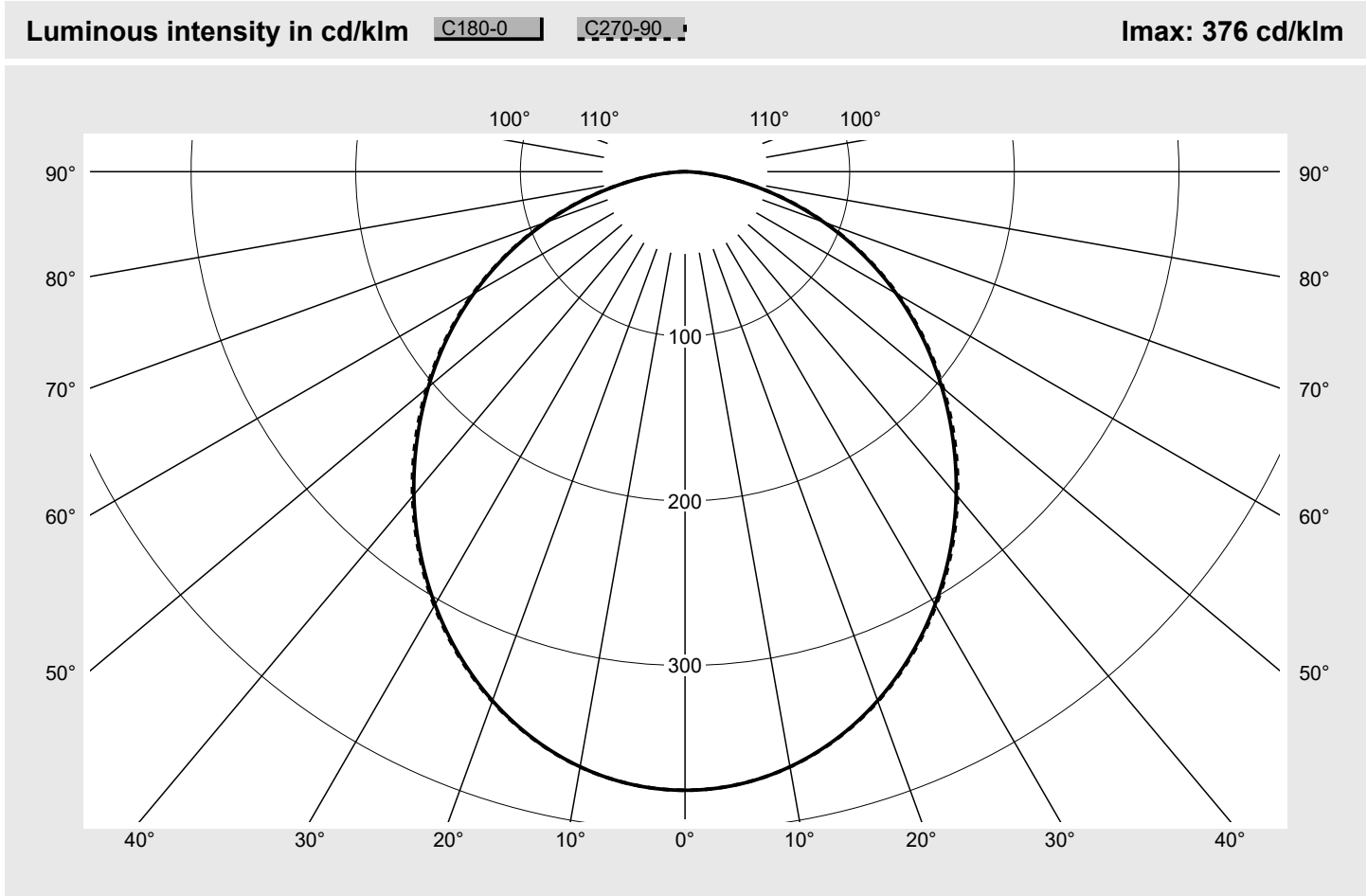


Photometric test report

|                                                                                   |                                                                 |                                                                                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Family</b><br><b>Round 21 S</b>                                                | <b>Order number: 51MR34FD0421S</b><br><b>EAN: 4058352882498</b> | <b>LP number</b><br><b>59509_21</b>                                                                                                     |
|  | <b>Version</b>                                                  | surface-mounted and suspended luminaire, cover, opal, PMMA, extremely wide distribution, direct distribution, aluminium housing, silver |
|                                                                                   | <b>Lamps</b>                                                    | LED 4000 K   CRI ≥ 80                                                                                                                   |
|                                                                                   | <b>Controlgear</b>                                              | ECG-DALI                                                                                                                                |
|                                                                                   | <b>Rated values</b>                                             | Net luminous flux = 3910 lm<br>Power consumption = 30.3 W<br>Luminous efficacy = 129 lm/W                                               |
|                                                                                   |                                                                 | <b>serial documentation</b><br><b>31.07.2024</b>                                                                                        |
|                                                                                   |                                                                 | <b>siteco</b>                                                                                                                           |



| Classifications |                   | Luminaire light output ratios |        |
|-----------------|-------------------|-------------------------------|--------|
| DIN 5040        | A 4 0             | $\eta_{LB}$                   | 100.0% |
| CIE             | N1=49 N2=80 N3=96 | $\phi_u$                      | 100.0% |
|                 | N4=100 N5=100     | $\phi_o$                      | 0.0%   |

| Measurement conditions    |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

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|                                          |                                                   |                            |
|------------------------------------------|---------------------------------------------------|----------------------------|
| Family<br>Round 21 S                     | Order number: 51MR34FD0421S<br>EAN: 4058352882498 | LP number<br>59509_21      |
| 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°           | 375.8                        | 375.8                       | 375.8                       | 375.8                       | 375.8                       | 375.8                       | 375.8       | 2.2                     | 2.2               |
| 5°           | 373.6                        | 373.6                       | 373.6                       | 373.6                       | 373.7                       | 373.6                       | 373.6       | 17.8                    | 20.1              |
| 10°          | 367.1                        | 367.0                       | 367.1                       | 367.1                       | 367.2                       | 367.1                       | 367.2       | 34.9                    | 55.0              |
| 15°          | 356.4                        | 356.5                       | 356.5                       | 356.7                       | 356.7                       | 356.7                       | 356.7       | 50.6                    | 105.6             |
| 20°          | 342.0                        | 342.1                       | 342.1                       | 342.4                       | 342.4                       | 342.5                       | 342.5       | 64.2                    | 169.8             |
| 25°          | 324.2                        | 324.6                       | 324.4                       | 324.9                       | 324.8                       | 325.3                       | 324.9       | 75.2                    | 245.0             |
| 30°          | 303.7                        | 304.3                       | 303.9                       | 304.6                       | 304.5                       | 305.2                       | 304.6       | 83.4                    | 328.5             |
| 35°          | 280.8                        | 281.7                       | 281.1                       | 282.4                       | 281.8                       | 282.9                       | 282.0       | 88.6                    | 417.1             |
| 40°          | 256.2                        | 257.4                       | 256.5                       | 258.0                       | 257.2                       | 258.5                       | 257.4       | 90.7                    | 507.8             |
| 45°          | 230.2                        | 231.7                       | 230.5                       | 232.2                       | 231.4                       | 232.8                       | 231.7       | 89.8                    | 597.5             |
| 50°          | 203.5                        | 204.9                       | 203.8                       | 205.4                       | 204.7                       | 206.0                       | 204.9       | 86.0                    | 683.6             |
| 55°          | 176.3                        | 177.6                       | 175.5                       | 178.1                       | 177.3                       | 178.7                       | 177.4       | 79.6                    | 763.2             |
| 60°          | 148.1                        | 149.5                       | 147.4                       | 150.0                       | 149.0                       | 150.6                       | 149.2       | 70.8                    | 834.0             |
| 65°          | 119.2                        | 120.8                       | 118.4                       | 121.2                       | 120.0                       | 121.6                       | 120.1       | 59.7                    | 893.7             |
| 70°          | 89.7                         | 91.5                        | 88.8                        | 91.9                        | 90.4                        | 92.3                        | 90.6        | 46.8                    | 940.5             |
| 75°          | 60.9                         | 62.5                        | 60.0                        | 63.4                        | 61.5                        | 63.0                        | 61.6        | 32.8                    | 973.3             |
| 80°          | 34.5                         | 35.9                        | 33.5                        | 36.8                        | 35.0                        | 36.0                        | 35.0        | 19.1                    | 992.4             |
| 85°          | 13.2                         | 14.6                        | 12.4                        | 14.8                        | 13.6                        | 14.5                        | 13.7        | 7.6                     | 1000.0            |
| 90°          | 0.0                          | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0         | 0.0                     | 1000.0            |

Photometric test report

|                              |     |                     |                                                   |      |      |      |                    |      |                       |      |      |
|------------------------------|-----|---------------------|---------------------------------------------------|------|------|------|--------------------|------|-----------------------|------|------|
| Family<br>Round 21 S         |     |                     | Order number: 51MR34FD0421S<br>EAN: 4058352882498 |      |      |      |                    |      | LP number<br>59509_21 |      |      |
| 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  | 20.3                | 22.0                                              | 20.7 | 22.3 | 22.6 | 20.4               | 22.1 | 20.7                  | 22.4 | 22.7 |
|                              | 3H  | 21.9                | 23.4                                              | 22.3 | 23.8 | 24.1 | 22.0               | 23.5 | 22.3                  | 23.8 | 24.2 |
|                              | 4H  | 22.5                | 23.9                                              | 22.9 | 24.3 | 24.6 | 22.6               | 24.0 | 23.0                  | 24.3 | 24.7 |
|                              | 6H  | 22.9                | 24.2                                              | 23.3 | 24.6 | 25.0 | 23.0               | 24.3 | 23.4                  | 24.7 | 25.0 |
|                              | 8H  | 23.1                | 24.3                                              | 23.5 | 24.7 | 25.1 | 23.1               | 24.4 | 23.6                  | 24.7 | 25.1 |
|                              | 12H | 23.2                | 24.3                                              | 23.6 | 24.7 | 25.1 | 23.2               | 24.4 | 23.6                  | 24.8 | 25.2 |
| 4H                           | 2H  | 21.1                | 22.5                                              | 21.5 | 22.9 | 23.2 | 21.1               | 22.5 | 21.5                  | 22.9 | 23.3 |
|                              | 3H  | 22.8                | 24.0                                              | 23.2 | 24.4 | 24.8 | 22.9               | 24.1 | 23.3                  | 24.5 | 24.9 |
|                              | 4H  | 23.5                | 24.6                                              | 24.0 | 25.0 | 25.4 | 23.6               | 24.7 | 24.0                  | 25.1 | 25.5 |
|                              | 6H  | 24.1                | 25.0                                              | 24.5 | 25.4 | 25.9 | 24.1               | 25.1 | 24.6                  | 25.5 | 25.9 |
|                              | 8H  | 24.2                | 25.1                                              | 24.7 | 25.5 | 26.0 | 24.3               | 25.2 | 24.8                  | 25.6 | 26.1 |
|                              | 12H | 24.4                | 25.1                                              | 24.8 | 25.6 | 26.1 | 24.4               | 25.2 | 24.9                  | 25.6 | 26.1 |
| 8H                           | 4H  | 23.8                | 24.7                                              | 24.3 | 25.2 | 25.6 | 23.9               | 24.8 | 24.4                  | 25.2 | 25.7 |
|                              | 6H  | 24.5                | 25.2                                              | 25.0 | 25.7 | 26.2 | 24.5               | 25.3 | 25.0                  | 25.7 | 26.2 |
|                              | 8H  | 24.7                | 25.3                                              | 25.2 | 25.8 | 26.3 | 24.8               | 25.4 | 25.3                  | 25.9 | 26.4 |
|                              | 12H | 24.9                | 25.4                                              | 25.4 | 25.9 | 26.4 | 24.9               | 25.5 | 25.5                  | 26.0 | 26.5 |
| 12H                          | 4H  | 23.9                | 24.7                                              | 24.4 | 25.1 | 25.6 | 23.9               | 24.7 | 24.4                  | 25.2 | 25.7 |
|                              | 6H  | 24.6                | 25.2                                              | 25.1 | 25.7 | 26.2 | 24.6               | 25.2 | 25.1                  | 25.7 | 26.2 |
|                              | 8H  | 24.8                | 25.3                                              | 25.3 | 25.8 | 26.4 | 24.9               | 25.4 | 25.4                  | 25.9 | 26.4 |

| Luminance table |                    | Max. for $\gamma \geq 65^\circ$ |                             | Photometric dimensions in mm: |                             | D = 390                     |             |
|-----------------|--------------------|---------------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-------------|
| C-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°             | 10654.9            | 10726.9                         | 10670.6                     | 10747.8                       | 10710.5                     | 10774.5                     | 10725.3     |
| 50°             | 10361.7            | 10435.3                         | 10378.4                     | 10459.4                       | 10421.3                     | 10491.2                     | 10431.3     |
| 55°             | 10059.5            | 10135.9                         | 10016.9                     | 10163.6                       | 10115.1                     | 10196.9                     | 10125.1     |
| 60°             | 9696.8             | 9789.1                          | 9646.0                      | 9821.3                        | 9754.5                      | 9857.4                      | 9765.9      |
| 65°             | 9231.4             | 9352.5                          | 9166.0                      | 9383.3                        | 9290.3                      | 9417.7                      | 9303.1      |
| 70°             | 8586.7             | 8760.8                          | 8501.1                      | 8793.4                        | 8653.0                      | 8829.3                      | 8667.1      |
| 75°             | 7707.5             | 7906.3                          | 7589.8                      | 8023.2                        | 7782.2                      | 7969.0                      | 7792.4      |
| 80°             | 6502.1             | 6757.9                          | 6316.3                      | 6936.8                        | 6588.1                      | 6786.2                      | 6603.2      |
| 85°             | 4964.0             | 5486.7                          | 4661.3                      | 5548.7                        | 5114.2                      | 5462.3                      | 5148.0      |

Photometric test report

Family  
Round 21 S

Order number: 51MR34FD0421S  
EAN: 4058352882498

LP number  
59509\_21

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

