

## Photometric test report

### Family Floodlight FL21 midi

**Order number: 5XA7782E1E1A**  
**EAN: 4058352853368**

**LP number**  
**59252\_188**

**serial**  
**documentation**  
**22.08.2023**



|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| <b>Version</b>      | mounting bracket                                                                              |
| <b>Optic</b>        | direct, asymmetric narrow distribution,<br>asymmetric wide distribution<br>A640002            |
| <b>Cover</b>        | toughened safety glass                                                                        |
| <b>Lamps</b>        | LED 2200 K   CRI ≥ 70                                                                         |
| <b>Controlgear</b>  | ECG SITECO IQ                                                                                 |
| <b>Rated values</b> | Net luminous flux = 21470 lm<br>Power consumption = 208.1 W<br>Luminous efficacy = 103.2 lm/W |

**siteco**

### Luminous intensity in cd/klm

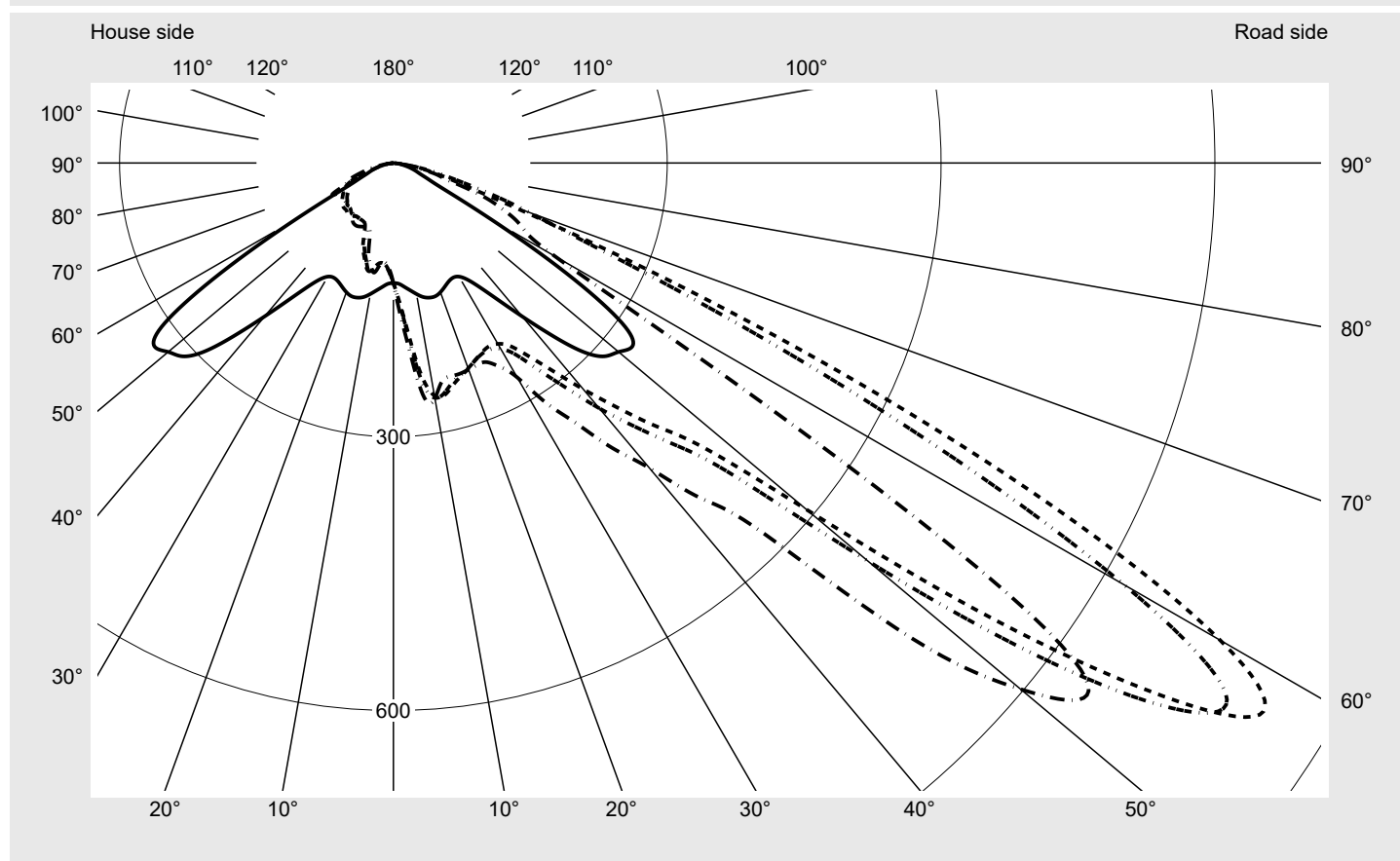
**C180-0**

**C230-50**

**C235-55**

**C270-90**

**Imax: 1125 cd/klm**



### Luminaire output ratios

|                |        |
|----------------|--------|
| Eta            | 100.0% |
| Eta 0° - 90°   | 100.0% |
| Eta 90° - 180° | 0.0%   |

### Measurement conditions

DIN EN 13032 and DIN 5032

### Luminous intensity class acc. to EN13201-2

|           |       |
|-----------|-------|
| Class:    | G6    |
| Imax 70°  | 159.0 |
| Imax 80°  | 26.3  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

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Family  
Floodlight FL21 midi

Order number: 5XA7782E1E1A  
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Envelope curve in cd/klm

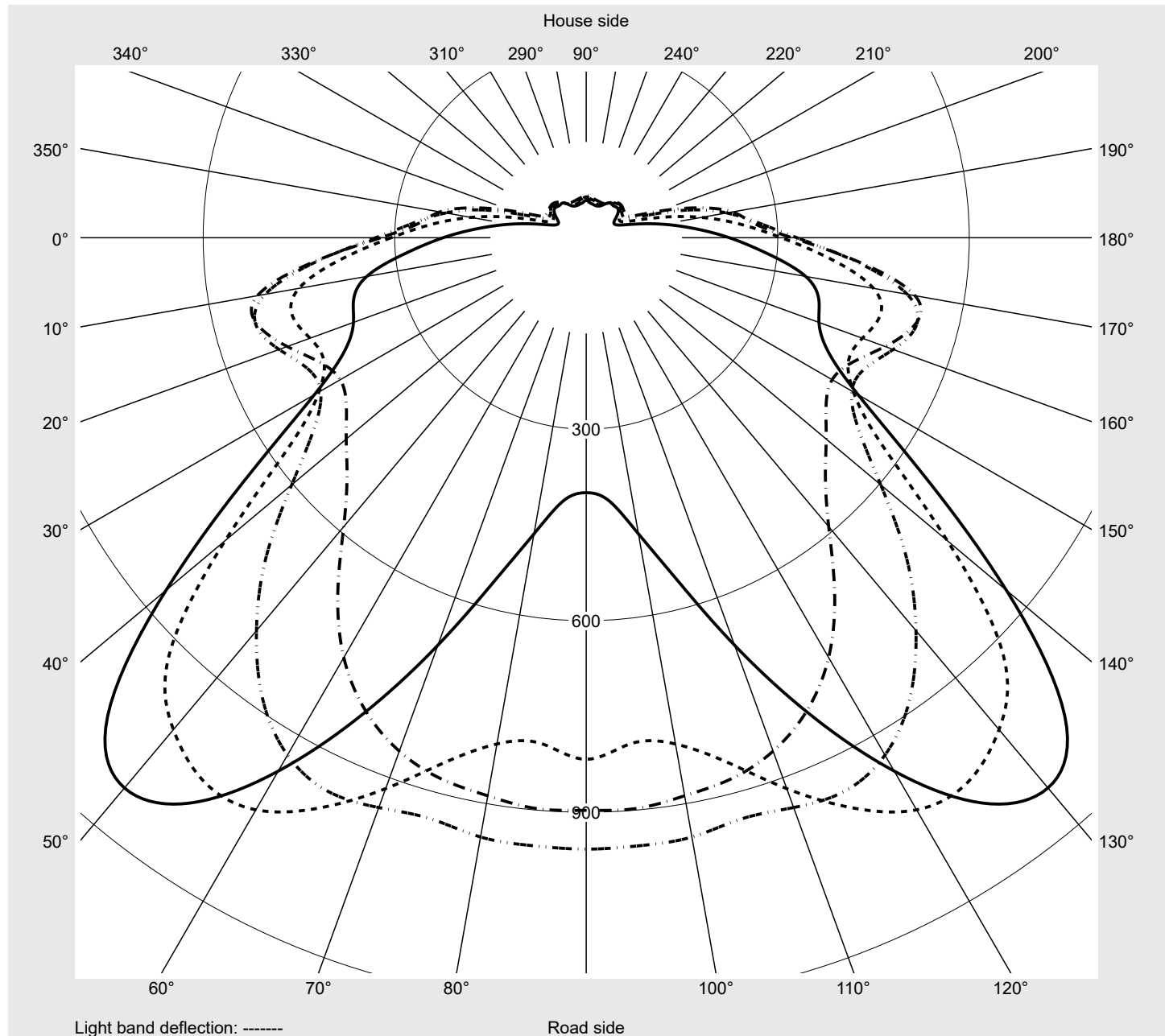
KMK 57.5°

KMK 55°

KMK 52.5°

KMK 50°

siteco



Photometric test report

|                                          |                              |                                                  |             |             |             |             |             |             |             |                            |             |                        |             |
|------------------------------------------|------------------------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------------|-------------|------------------------|-------------|
| Family<br>Floodlight FL21 midi           |                              | Order number: 5XA7782E1E1A<br>EAN: 4058352853368 |             |             |             |             |             |             |             |                            |             | LP number<br>59252_188 |             |
| Table of values for luminous intensities |                              |                                                  |             |             |             |             |             |             |             | Maximum luminous intensity |             | siteco                 |             |
| C-<br>planes                             | 0°<br>180°                   | 5°<br>175°                                       | 10°<br>170° | 15°<br>165° | 20°<br>160° | 25°<br>155° | 30°<br>150° | 35°<br>145° | 40°<br>140° | 45°<br>135°                | 50°<br>130° | 55°<br>125°            | 60°<br>120° |
| γ                                        | Luminous intensity in cd/klm |                                                  |             |             |             |             |             |             |             |                            |             |                        |             |
| 0,0°                                     | 131.6                        | 131.6                                            | 131.6       | 131.6       | 131.6       | 131.6       | 131.6       | 131.6       | 131.6       | 131.6                      | 131.6       | 131.6                  | 131.6       |
| 2,5°                                     | 132.4                        | 134.5                                            | 136.5       | 138.6       | 140.7       | 142.9       | 145.0       | 147.2       | 149.3       | 151.1                      | 152.6       | 154.1                  | 155.5       |
| 5,0°                                     | 136.2                        | 140.7                                            | 145.2       | 150.1       | 155.2       | 160.1       | 165.5       | 171.2       | 177.1       | 182.6                      | 187.7       | 192.3                  | 196.7       |
| 7,5°                                     | 140.7                        | 147.8                                            | 155.4       | 163.1       | 171.8       | 181.2       | 191.0       | 201.4       | 212.6       | 224.1                      | 234.3       | 242.3                  | 248.0       |
| 10,0°                                    | 145.8                        | 155.5                                            | 166.0       | 177.1       | 189.8       | 203.4       | 219.6       | 236.2       | 247.5       | 254.2                      | 258.8       | 261.3                  | 262.6       |
| 12,5°                                    | 150.4                        | 163.4                                            | 176.8       | 191.2       | 208.5       | 228.7       | 244.2       | 253.7       | 259.4       | 261.0                      | 260.3       | 258.1                  | 255.4       |
| 15,0°                                    | 152.7                        | 169.1                                            | 184.5       | 203.0       | 225.6       | 243.0       | 253.7       | 258.5       | 258.2       | 255.7                      | 252.1       | 249.2                  | 247.0       |
| 17,5°                                    | 153.0                        | 171.4                                            | 189.1       | 213.7       | 236.0       | 249.5       | 254.3       | 253.6       | 250.3       | 247.3                      | 245.3       | 243.9                  | 243.1       |
| 20,0°                                    | 150.7                        | 170.1                                            | 191.9       | 220.1       | 239.7       | 247.8       | 247.7       | 244.7       | 242.2       | 240.9                      | 239.8       | 239.4                  | 239.0       |
| 22,5°                                    | 146.9                        | 167.3                                            | 194.1       | 222.9       | 239.1       | 241.1       | 238.4       | 236.2       | 234.8       | 234.0                      | 233.9       | 234.1                  | 234.5       |
| 25,0°                                    | 143.3                        | 166.0                                            | 197.5       | 224.2       | 235.4       | 233.9       | 231.7       | 229.8       | 228.3       | 228.4                      | 229.2       | 230.5                  | 231.6       |
| 27,5°                                    | 141.6                        | 168.5                                            | 202.2       | 227.6       | 232.9       | 229.8       | 227.0       | 224.2       | 223.4       | 224.5                      | 226.5       | 230.0                  | 233.3       |
| 30,0°                                    | 143.8                        | 174.8                                            | 209.4       | 232.3       | 233.6       | 228.8       | 223.8       | 220.7       | 220.7       | 223.4                      | 228.9       | 235.1                  | 241.0       |
| 32,5°                                    | 151.9                        | 186.1                                            | 221.0       | 239.6       | 236.5       | 229.5       | 222.7       | 220.1       | 222.5       | 229.3                      | 237.7       | 248.7                  | 261.9       |
| 35,0°                                    | 167.3                        | 204.1                                            | 238.0       | 252.1       | 245.3       | 233.3       | 225.7       | 225.6       | 233.1       | 243.5                      | 258.5       | 276.2                  | 294.8       |
| 37,5°                                    | 189.9                        | 231.0                                            | 265.4       | 275.9       | 263.2       | 243.1       | 234.5       | 238.8       | 249.7       | 266.6                      | 287.4       | 310.3                  | 332.0       |
| 40,0°                                    | 219.4                        | 268.8                                            | 310.2       | 319.3       | 292.3       | 261.6       | 252.6       | 260.2       | 275.4       | 298.0                      | 323.7       | 350.9                  | 373.9       |
| 42,5°                                    | 255.2                        | 318.2                                            | 376.2       | 379.5       | 329.0       | 294.5       | 282.7       | 290.6       | 310.0       | 334.9                      | 363.8       | 392.0                  | 416.1       |
| 45,0°                                    | 291.7                        | 377.9                                            | 460.0       | 441.3       | 383.2       | 346.4       | 329.7       | 335.2       | 356.3       | 380.6                      | 408.5       | 437.2                  | 467.1       |
| 47,5°                                    | 313.5                        | 422.4                                            | 510.1       | 492.7       | 444.3       | 404.7       | 385.1       | 390.6       | 412.4       | 433.9                      | 462.3       | 509.0                  | 567.3       |
| 50,0°                                    | 322.1                        | 427.1                                            | 523.1       | 531.8       | 498.3       | 460.9       | 444.9       | 458.7       | 490.7       | 529.8                      | 590.9       | 678.4                  | 759.4       |
| 52,5°                                    | 330.0                        | 423.0                                            | 510.7       | 534.9       | 511.8       | 482.8       | 480.3       | 520.0       | 602.2       | 709.6                      | 803.6       | 883.3                  | 935.9       |
| 55,0°                                    | 305.8                        | 384.9                                            | 457.0       | 476.1       | 460.3       | 453.6       | 483.4       | 565.6       | 738.3       | 923.8                      | 1005.9      | 1041.7                 | 1034.9      |
| 57,5°                                    | 224.1                        | 284.8                                            | 349.1       | 377.3       | 388.0       | 416.9       | 491.6       | 641.3       | 859.1       | 1060.2                     | 1125.2      | 1081.1                 | 964.9       |
| 60,0°                                    | 124.1                        | 156.8                                            | 227.5       | 273.2       | 299.1       | 350.2       | 474.4       | 685.2       | 902.7       | 1047.0                     | 1045.9      | 924.1                  | 734.1       |
| 62,5°                                    | 63.0                         | 73.0                                             | 129.6       | 185.8       | 222.2       | 266.7       | 381.8       | 564.4       | 742.6       | 853.1                      | 813.5       | 664.6                  | 495.2       |
| 65,0°                                    | 42.6                         | 44.9                                             | 81.7        | 136.8       | 181.2       | 216.0       | 273.1       | 371.7       | 467.9       | 543.1                      | 529.6       | 413.8                  | 301.4       |
| 67,5°                                    | 32.5                         | 35.5                                             | 54.9        | 89.0        | 121.0       | 143.7       | 166.0       | 206.7       | 241.9       | 283.0                      | 278.9       | 234.8                  | 203.4       |
| 70,0°                                    | 27.0                         | 28.2                                             | 38.3        | 54.2        | 71.1        | 80.0        | 89.0        | 107.6       | 120.9       | 125.1                      | 137.6       | 159.0                  | 148.1       |
| 72,5°                                    | 22.1                         | 22.7                                             | 23.8        | 26.1        | 38.7        | 50.0        | 53.3        | 52.6        | 32.7        | 50.1                       | 82.7        | 108.4                  | 102.1       |
| 75,0°                                    | 17.3                         | 18.2                                             | 18.6        | 20.8        | 23.8        | 33.3        | 35.7        | 23.9        | 24.2        | 34.9                       | 57.1        | 70.0                   | 68.9        |
| 77,5°                                    | 12.3                         | 13.6                                             | 14.7        | 16.3        | 17.7        | 23.3        | 23.2        | 18.2        | 17.8        | 23.1                       | 38.9        | 47.5                   | 44.6        |
| 80,0°                                    | 8.5                          | 9.4                                              | 11.0        | 12.4        | 13.8        | 14.7        | 14.5        | 12.5        | 11.8        | 14.2                       | 22.7        | 26.3                   | 22.3        |
| 82,5°                                    | 5.6                          | 6.1                                              | 7.7         | 9.0         | 10.5        | 10.4        | 9.4         | 8.1         | 7.1         | 7.6                        | 12.0        | 10.9                   | 9.5         |
| 85,0°                                    | 2.7                          | 3.3                                              | 4.5         | 5.5         | 6.0         | 5.5         | 4.9         | 3.8         | 3.3         | 2.8                        | 2.9         | 2.9                    | 3.1         |
| 87,5°                                    | 1.1                          | 1.2                                              | 1.4         | 1.6         | 1.6         | 1.4         | 1.2         | 1.0         | 1.0         | 1.0                        | 1.0         | 1.0                    | 1.1         |
| 90,0°                                    | 0.0                          | 0.0                                              | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0                        | 0.0         | 0.0                    | 0.0         |

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|                                          |                              |                                                  |             |             |            |       |              |              |              |                            |              |                        |              |
|------------------------------------------|------------------------------|--------------------------------------------------|-------------|-------------|------------|-------|--------------|--------------|--------------|----------------------------|--------------|------------------------|--------------|
| Family<br>Floodlight FL21 midi           |                              | Order number: 5XA7782E1E1A<br>EAN: 4058352853368 |             |             |            |       |              |              |              |                            |              | LP number<br>59252_188 |              |
| Table of values for luminous intensities |                              |                                                  |             |             |            |       |              |              |              | Maximum luminous intensity |              | siteco                 |              |
| C-<br>planes                             | 65°<br>115°                  | 70°<br>110°                                      | 75°<br>105° | 80°<br>100° | 85°<br>95° | 90°   | 185°<br>355° | 190°<br>350° | 195°<br>345° | 200°<br>340°               | 205°<br>335° | 210°<br>330°           | 215°<br>325° |
| γ                                        | Luminous intensity in cd/klm |                                                  |             |             |            |       |              |              |              |                            |              |                        |              |
| 0,0°                                     | 131.6                        | 131.6                                            | 131.6       | 131.6       | 131.6      | 131.6 | 131.6        | 131.6        | 131.6        | 131.6                      | 131.6        | 131.6                  | 131.6        |
| 2,5°                                     | 156.6                        | 157.4                                            | 158.2       | 158.9       | 159.9      | 164.9 | 130.5        | 128.8        | 127.2        | 125.6                      | 124.1        | 122.9                  | 121.7        |
| 5,0°                                     | 200.7                        | 204.1                                            | 206.9       | 209.2       | 211.1      | 208.1 | 131.9        | 128.2        | 124.8        | 121.9                      | 119.3        | 117.2                  | 115.4        |
| 7,5°                                     | 251.8                        | 254.5                                            | 256.3       | 257.6       | 258.6      | 259.4 | 134.3        | 128.8        | 124.2        | 120.6                      | 117.6        | 115.5                  | 113.8        |
| 10,0°                                    | 262.9                        | 262.7                                            | 261.8       | 261.0       | 260.3      | 261.7 | 137.0        | 130.1        | 124.5        | 120.7                      | 117.9        | 115.7                  | 114.0        |
| 12,5°                                    | 252.7                        | 250.4                                            | 248.2       | 246.5       | 245.3      | 245.4 | 139.2        | 130.7        | 124.9        | 121.4                      | 118.5        | 116.9                  | 118.0        |
| 15,0°                                    | 245.6                        | 244.4                                            | 243.3       | 242.3       | 241.7      | 242.0 | 139.2        | 129.7        | 124.3        | 121.2                      | 119.6        | 121.5                  | 122.0        |
| 17,5°                                    | 242.5                        | 242.2                                            | 242.0       | 241.8       | 241.8      | 242.1 | 136.8        | 126.8        | 122.1        | 119.9                      | 122.3        | 121.8                  | 120.9        |
| 20,0°                                    | 238.9                        | 239.1                                            | 239.3       | 239.7       | 240.2      | 240.8 | 132.5        | 122.8        | 118.8        | 120.6                      | 120.8        | 119.0                  | 112.3        |
| 22,5°                                    | 234.9                        | 235.5                                            | 236.2       | 237.3       | 238.6      | 239.5 | 127.6        | 118.5        | 117.1        | 120.1                      | 117.2        | 110.8                  | 103.0        |
| 25,0°                                    | 232.8                        | 234.3                                            | 236.2       | 238.3       | 240.1      | 240.7 | 123.8        | 115.5        | 117.5        | 117.1                      | 112.7        | 102.5                  | 95.4         |
| 27,5°                                    | 235.5                        | 237.9                                            | 241.2       | 245.0       | 248.0      | 251.6 | 122.0        | 114.1        | 119.1        | 114.4                      | 104.9        | 95.8                   | 88.1         |
| 30,0°                                    | 247.1                        | 253.8                                            | 260.5       | 267.0       | 271.5      | 271.3 | 123.0        | 116.1        | 119.8        | 111.9                      | 98.9         | 90.2                   | 79.8         |
| 32,5°                                    | 273.6                        | 283.7                                            | 292.5       | 300.5       | 305.7      | 312.0 | 128.5        | 123.1        | 121.2        | 108.8                      | 94.1         | 84.0                   | 75.1         |
| 35,0°                                    | 310.3                        | 322.7                                            | 333.0       | 341.7       | 347.8      | 347.3 | 139.5        | 135.3        | 123.3        | 105.0                      | 89.7         | 77.9                   | 73.4         |
| 37,5°                                    | 350.9                        | 365.7                                            | 376.4       | 385.0       | 391.1      | 393.4 | 155.8        | 149.6        | 126.9        | 103.3                      | 85.9         | 75.6                   | 73.2         |
| 40,0°                                    | 394.0                        | 410.6                                            | 422.4       | 431.0       | 437.2      | 436.5 | 178.6        | 167.3        | 134.1        | 105.7                      | 84.0         | 76.1                   | 74.0         |
| 42,5°                                    | 437.8                        | 455.4                                            | 469.6       | 480.6       | 488.5      | 498.0 | 204.1        | 186.9        | 144.7        | 111.1                      | 85.3         | 76.9                   | 74.4         |
| 45,0°                                    | 496.1                        | 523.4                                            | 548.1       | 567.3       | 579.9      | 574.6 | 230.4        | 207.0        | 158.8        | 119.3                      | 86.5         | 76.9                   | 75.2         |
| 47,5°                                    | 622.1                        | 667.2                                            | 704.9       | 729.3       | 744.5      | 772.1 | 248.7        | 221.2        | 172.9        | 124.8                      | 85.9         | 75.9                   | 75.1         |
| 50,0°                                    | 817.7                        | 856.0                                            | 877.6       | 887.8       | 897.6      | 897.0 | 262.7        | 232.7        | 181.0        | 121.5                      | 80.7         | 72.4                   | 72.3         |
| 52,5°                                    | 957.0                        | 949.9                                            | 942.3       | 953.3       | 956.1      | 957.8 | 270.4        | 223.5        | 168.0        | 104.5                      | 72.0         | 66.7                   | 68.0         |
| 55,0°                                    | 985.4                        | 918.4                                            | 850.3       | 805.3       | 795.7      | 817.1 | 242.5        | 183.3        | 124.3        | 77.7                       | 60.2         | 59.3                   | 63.2         |
| 57,5°                                    | 820.8                        | 679.3                                            | 557.4       | 471.0       | 414.0      | 399.4 | 168.5        | 121.8        | 83.1         | 58.3                       | 49.6         | 50.4                   | 58.2         |
| 60,0°                                    | 565.9                        | 416.9                                            | 291.2       | 218.8       | 201.8      | 204.1 | 98.5         | 76.3         | 60.2         | 49.5                       | 42.7         | 42.5                   | 51.4         |
| 62,5°                                    | 352.9                        | 225.2                                            | 172.1       | 164.4       | 165.0      | 163.5 | 62.0         | 53.1         | 50.9         | 44.0                       | 38.6         | 37.9                   | 42.6         |
| 65,0°                                    | 215.8                        | 157.2                                            | 148.0       | 144.2       | 146.1      | 148.1 | 45.1         | 41.3         | 45.0         | 39.4                       | 35.9         | 35.1                   | 37.7         |
| 67,5°                                    | 155.8                        | 138.1                                            | 133.4       | 129.5       | 129.8      | 126.1 | 35.6         | 35.3         | 36.1         | 34.5                       | 32.8         | 32.2                   | 34.9         |
| 70,0°                                    | 123.4                        | 120.3                                            | 112.5       | 104.4       | 99.6       | 99.7  | 28.5         | 30.8         | 31.5         | 31.1                       | 29.5         | 29.2                   | 32.2         |
| 72,5°                                    | 90.4                         | 88.2                                             | 79.7        | 70.9        | 68.2       | 63.4  | 23.2         | 24.9         | 27.7         | 26.3                       | 25.0         | 25.2                   | 27.5         |
| 75,0°                                    | 64.4                         | 59.0                                             | 56.6        | 51.9        | 49.2       | 49.4  | 19.3         | 20.8         | 21.2         | 21.1                       | 20.8         | 20.7                   | 21.5         |
| 77,5°                                    | 39.1                         | 35.8                                             | 37.0        | 39.4        | 36.6       | 32.0  | 13.8         | 15.5         | 15.5         | 15.5                       | 15.9         | 15.5                   | 15.0         |
| 80,0°                                    | 19.4                         | 19.5                                             | 22.1        | 22.4        | 19.3       | 18.9  | 9.2          | 10.4         | 10.5         | 10.7                       | 10.7         | 10.1                   | 9.5          |
| 82,5°                                    | 9.4                          | 9.3                                              | 10.3        | 10.0        | 8.2        | 7.7   | 5.7          | 6.3          | 6.7          | 6.6                        | 6.3          | 5.9                    | 5.5          |
| 85,0°                                    | 3.1                          | 3.0                                              | 2.9         | 2.9         | 2.8        | 3.0   | 2.9          | 3.2          | 3.4          | 3.2                        | 3.1          | 2.9                    | 2.7          |
| 87,5°                                    | 1.1                          | 1.1                                              | 1.1         | 1.0         | 1.0        | 1.0   | 1.1          | 1.2          | 1.3          | 1.3                        | 1.2          | 1.2                    | 1.2          |
| 90,0°                                    | 0.0                          | 0.0                                              | 0.0         | 0.0         | 0.0        | 0.0   | 0.0          | 0.0          | 0.0          | 0.0                        | 0.0          | 0.0                    | 0.0          |

Photometric test report

|                                          |                              |                                                  |              |              |              |              |              |              |              |                            |                         |                        |                   |
|------------------------------------------|------------------------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|-------------------------|------------------------|-------------------|
| Family<br>Floodlight FL21 midi           |                              | Order number: 5XA7782E1E1A<br>EAN: 4058352853368 |              |              |              |              |              |              |              |                            |                         | LP number<br>59252_188 |                   |
| Table of values for luminous intensities |                              |                                                  |              |              |              |              |              |              |              | Maximum luminous intensity |                         | sīTeco                 |                   |
| C-<br>planes                             | 220°<br>320°                 | 225°<br>315°                                     | 230°<br>310° | 235°<br>305° | 240°<br>300° | 245°<br>295° | 250°<br>290° | 255°<br>285° | 260°<br>280° | 265°<br>275°               | 270°                    | Phi-zone               | Total<br>Phi-zone |
| γ                                        | Luminous intensity in cd/klm |                                                  |              |              |              |              |              |              |              |                            | Luminous flux in lm/klm |                        |                   |
| 0,0°                                     | 131.6                        | 131.6                                            | 131.6        | 131.6        | 131.6        | 131.6        | 131.6        | 131.6        | 131.6        | 131.6                      | 131.6                   | 0.2                    | 0.2               |
| 2,5°                                     | 120.5                        | 119.5                                            | 118.5        | 117.8        | 117.0        | 116.5        | 116.1        | 115.8        | 115.6        | 115.3                      | 115.3                   | 1.6                    | 1.8               |
| 5,0°                                     | 113.8                        | 112.6                                            | 111.6        | 110.9        | 110.4        | 110.0        | 109.7        | 109.6        | 109.4        | 109.1                      | 109.2                   | 3.5                    | 5.3               |
| 7,5°                                     | 112.5                        | 111.3                                            | 110.4        | 110.0        | 110.0        | 110.3        | 110.8        | 111.4        | 111.9        | 112.1                      | 112.2                   | 5.9                    | 11.2              |
| 10,0°                                    | 113.2                        | 113.9                                            | 115.3        | 116.9        | 118.0        | 118.9        | 120.0        | 120.9        | 121.7        | 122.0                      | 122.0                   | 8.4                    | 19.6              |
| 12,5°                                    | 119.7                        | 120.5                                            | 121.6        | 122.0        | 120.4        | 118.5        | 116.9        | 115.9        | 115.3        | 114.8                      | 114.6                   | 10.5                   | 30.1              |
| 15,0°                                    | 122.1                        | 120.5                                            | 116.5        | 113.3        | 110.9        | 109.0        | 107.6        | 106.7        | 106.1        | 105.6                      | 105.2                   | 12.5                   | 42.6              |
| 17,5°                                    | 115.7                        | 110.7                                            | 106.8        | 103.7        | 101.2        | 98.4         | 94.9         | 91.4         | 88.7         | 87.1                       | 86.6                    | 14.2                   | 56.8              |
| 20,0°                                    | 106.2                        | 101.5                                            | 97.6         | 92.5         | 85.4         | 80.0         | 77.7         | 77.1         | 77.0         | 77.0                       | 76.9                    | 15.6                   | 72.4              |
| 22,5°                                    | 97.2                         | 91.7                                             | 83.1         | 76.4         | 74.6         | 74.5         | 74.9         | 75.4         | 75.7         | 76.0                       | 76.1                    | 16.9                   | 89.3              |
| 25,0°                                    | 88.7                         | 78.4                                             | 73.8         | 72.9         | 73.0         | 73.6         | 74.4         | 75.3         | 76.2         | 76.8                       | 77.1                    | 18.3                   | 107.7             |
| 27,5°                                    | 77.4                         | 72.9                                             | 71.9         | 71.8         | 72.1         | 72.9         | 74.3         | 75.8         | 77.2         | 78.1                       | 78.5                    | 19.9                   | 127.6             |
| 30,0°                                    | 73.6                         | 71.9                                             | 71.4         | 71.4         | 71.7         | 72.7         | 74.5         | 76.4         | 78.1         | 79.3                       | 79.7                    | 22.0                   | 149.6             |
| 32,5°                                    | 72.5                         | 71.5                                             | 71.3         | 71.0         | 71.4         | 72.5         | 74.3         | 76.4         | 78.2         | 79.3                       | 79.6                    | 24.7                   | 174.3             |
| 35,0°                                    | 72.1                         | 71.7                                             | 71.3         | 71.2         | 71.2         | 72.0         | 73.0         | 74.5         | 76.2         | 77.3                       | 77.7                    | 28.1                   | 202.4             |
| 37,5°                                    | 72.9                         | 73.2                                             | 73.4         | 72.0         | 70.5         | 70.0         | 70.4         | 71.0         | 71.9         | 72.8                       | 73.3                    | 32.3                   | 234.7             |
| 40,0°                                    | 73.9                         | 75.3                                             | 75.1         | 71.5         | 68.7         | 66.7         | 66.6         | 67.4         | 68.6         | 69.5                       | 69.9                    | 37.6                   | 272.3             |
| 42,5°                                    | 74.4                         | 76.4                                             | 74.5         | 69.2         | 66.0         | 64.5         | 64.1         | 64.7         | 66.1         | 67.6                       | 68.3                    | 43.9                   | 316.2             |
| 45,0°                                    | 75.2                         | 75.9                                             | 73.1         | 68.2         | 64.3         | 62.2         | 61.4         | 62.3         | 64.3         | 66.3                       | 67.4                    | 52.1                   | 368.3             |
| 47,5°                                    | 75.1                         | 74.8                                             | 73.2         | 67.8         | 62.7         | 60.7         | 60.0         | 61.4         | 64.6         | 67.3                       | 68.4                    | 63.5                   | 431.8             |
| 50,0°                                    | 74.2                         | 74.8                                             | 72.5         | 67.4         | 61.7         | 59.9         | 60.1         | 60.9         | 62.5         | 64.5                       | 66.0                    | 77.1                   | 508.9             |
| 52,5°                                    | 72.3                         | 73.4                                             | 70.7         | 67.3         | 61.5         | 59.5         | 57.9         | 58.1         | 59.9         | 61.8                       | 64.0                    | 88.3                   | 597.2             |
| 55,0°                                    | 69.1                         | 70.8                                             | 68.3         | 66.7         | 61.9         | 57.2         | 55.2         | 55.5         | 56.4         | 58.2                       | 61.7                    | 90.8                   | 688.0             |
| 57,5°                                    | 65.7                         | 67.4                                             | 65.6         | 66.0         | 61.7         | 55.4         | 52.8         | 52.5         | 53.7         | 55.6                       | 58.5                    | 81.1                   | 769.0             |
| 60,0°                                    | 61.4                         | 63.0                                             | 62.1         | 63.8         | 61.7         | 55.3         | 51.6         | 51.0         | 52.2         | 56.1                       | 60.3                    | 66.4                   | 835.4             |
| 62,5°                                    | 52.6                         | 57.3                                             | 56.9         | 60.4         | 60.7         | 55.9         | 51.6         | 51.3         | 57.5         | 69.3                       | 75.4                    | 51.0                   | 886.5             |
| 65,0°                                    | 43.1                         | 48.7                                             | 51.4         | 55.4         | 57.9         | 56.1         | 52.5         | 56.3         | 62.8         | 61.2                       | 61.7                    | 36.9                   | 923.4             |
| 67,5°                                    | 37.4                         | 38.3                                             | 42.6         | 48.4         | 54.0         | 54.3         | 53.4         | 55.3         | 52.6         | 53.2                       | 54.3                    | 25.3                   | 948.7             |
| 70,0°                                    | 32.2                         | 30.9                                             | 33.3         | 40.0         | 47.3         | 50.8         | 51.5         | 49.0         | 47.0         | 48.3                       | 49.4                    | 17.6                   | 966.3             |
| 72,5°                                    | 25.8                         | 25.0                                             | 24.1         | 28.5         | 36.2         | 42.4         | 45.8         | 39.0         | 39.0         | 39.6                       | 40.0                    | 11.9                   | 978.2             |
| 75,0°                                    | 19.8                         | 17.8                                             | 17.9         | 20.3         | 25.4         | 31.1         | 36.7         | 33.2         | 30.3         | 30.4                       | 31.0                    | 8.7                    | 986.9             |
| 77,5°                                    | 13.8                         | 12.8                                             | 12.8         | 14.4         | 18.1         | 21.3         | 25.2         | 25.0         | 21.7         | 21.6                       | 22.2                    | 6.1                    | 993.0             |
| 80,0°                                    | 8.7                          | 8.6                                              | 8.6          | 9.3          | 11.7         | 12.3         | 13.6         | 15.3         | 13.6         | 13.3                       | 13.5                    | 3.7                    | 996.7             |
| 82,5°                                    | 5.2                          | 5.1                                              | 5.1          | 5.6          | 6.8          | 6.7          | 6.7          | 7.3          | 7.2          | 6.9                        | 7.1                     | 2.1                    | 998.8             |
| 85,0°                                    | 2.6                          | 2.5                                              | 2.5          | 2.6          | 2.8          | 2.7          | 2.7          | 2.6          | 2.6          | 2.6                        | 2.6                     | 0.9                    | 999.7             |
| 87,5°                                    | 1.2                          | 1.3                                              | 1.3          | 1.3          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4                        | 1.4                     | 0.3                    | 1000.0            |
| 90,0°                                    | 0.0                          | 0.0                                              | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0                        | 0.0                     | 0.0                    | 1000.0            |

Photometric test report

|                                |                                                  |                        |
|--------------------------------|--------------------------------------------------|------------------------|
| Family<br>Floodlight FL21 midi | Order number: 5XA7782E1E1A<br>EAN: 4058352853368 | LP number<br>59252_188 |
| Dimming levels table           | environmental temperature: 25°C                  | siteco                 |

| Luminous flux [%] | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W]start of lifetime | Power consumption [W]end of lifetime | Power consumption [W]average |
|-------------------|----------------------|---------------------------|--------------------|----------------------------------------|--------------------------------------|------------------------------|
| 100               | 254                  | 254                       | 21470              | 208.1                                  | 227.1                                | 217.6                        |
| 95                | 241                  | 252                       | 20371              | 193.8                                  | 211.2                                | 202.5                        |
| 90                | 229                  | 250                       | 19357              | 181.2                                  | 197.5                                | 189.4                        |
| 85                | 216                  | 248                       | 18258              | 167.9                                  | 182.9                                | 175.4                        |
| 80                | 203                  | 246                       | 17159              | 155.2                                  | 168.9                                | 162.0                        |
| 75                | 190                  | 243                       | 16060              | 143.1                                  | 155.4                                | 149.2                        |
| 70                | 178                  | 241                       | 15046              | 132.2                                  | 143.6                                | 137.9                        |
| 65                | 165                  | 238                       | 13947              | 120.8                                  | 131.2                                | 126.0                        |
| 60                | 152                  | 235                       | 12848              | 110.0                                  | 119.2                                | 114.6                        |
| 55                | 140                  | 232                       | 11834              | 100.1                                  | 108.6                                | 104.4                        |
| 50                | 127                  | 229                       | 10735              | 89.9                                   | 97.4                                 | 93.6                         |
| 45                | 114                  | 225                       | 9636               | 79.9                                   | 86.5                                 | 83.2                         |
| 40                | 102                  | 221                       | 8622               | 70.8                                   | 76.8                                 | 73.8                         |
| 35                | 89                   | 216                       | 7523               | 61.4                                   | 66.4                                 | 63.9                         |
| 30                | 76                   | 210                       | 6424               | 52.2                                   | 56.4                                 | 54.3                         |
| 25                | 63                   | 203                       | 5325               | 43.6                                   | 46.9                                 | 45.2                         |
| 20                | 51                   | 195                       | 4311               | 35.9                                   | 38.5                                 | 37.2                         |
| 15                | 38                   | 184                       | 3212               | 27.6                                   | 29.6                                 | 28.6                         |
| 13                | 32                   | 178                       | 2705               | 23.9                                   | 25.5                                 | 24.7                         |