

## Photometric test report

### Family Floodlight FL21 midi

**Order number: 5XA7782E1C1A**  
**EAN: 4058352853313**

**LP number**  
**58550\_144**

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



|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| <b>Version</b>      | mounting bracket                                                                              |
| <b>Optic</b>        | direct, asymmetric extremely wide distribution<br>A610002                                     |
| <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 = 21820 lm<br>Power consumption = 208.1 W<br>Luminous efficacy = 104.8 lm/W |

**siteco**

**Luminous intensity in cd/klm**

**C180-0**

**C190-10**

**C195-15**

**C270-90**

**Imax: 745 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:    | G3    |
| Imax 70°  | 640.5 |
| Imax 80°  | 24.8  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

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Family  
Floodlight FL21 midi

Order number: 5XA7782E1C1A  
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58550\_144

Envelope curve in cd/klm

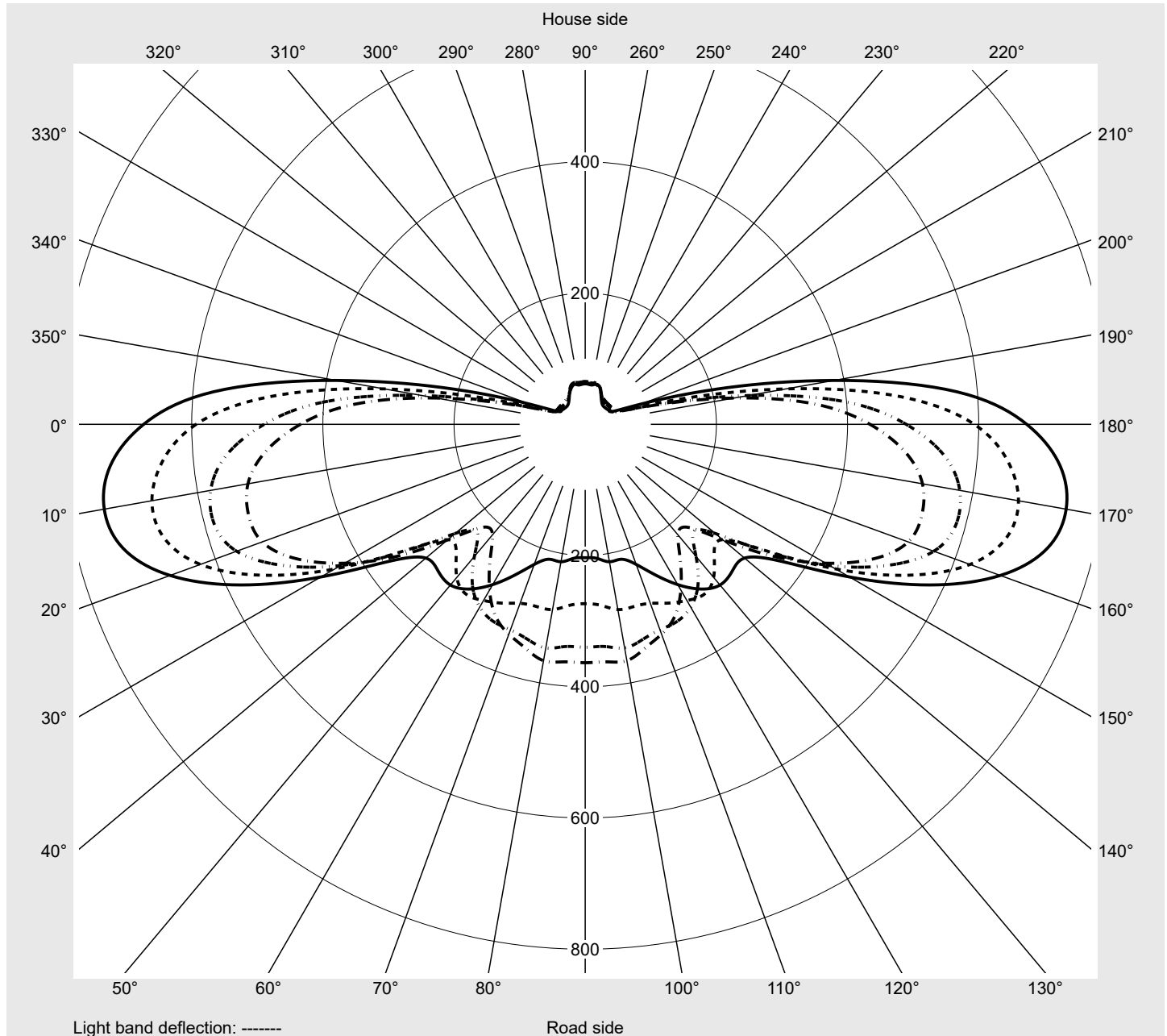
KMK 65°

KMK 62,5°

KMK 60°

KMK 57,5°

siteco



Photometric test report

|                                          |                                                  |                            |
|------------------------------------------|--------------------------------------------------|----------------------------|
| Family<br>Floodlight FL21 midi           | Order number: 5XA7782E1C1A<br>EAN: 4058352853313 | LP number<br>58550_144     |
| 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°         | 239.5                        | 239.5      | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       | 239.5       |
| 2,5°         | 239.2                        | 240.6      | 242.2       | 243.7       | 245.4       | 247.0       | 248.5       | 249.7       | 250.8       | 251.8       | 252.8       | 253.7       | 254.4       |
| 5,0°         | 239.5                        | 242.7      | 245.9       | 249.0       | 251.9       | 254.7       | 257.2       | 259.4       | 261.3       | 263.0       | 264.5       | 265.8       | 266.9       |
| 7,5°         | 239.6                        | 244.5      | 249.0       | 253.2       | 257.1       | 260.7       | 264.0       | 266.7       | 269.0       | 270.9       | 272.5       | 273.9       | 275.0       |
| 10,0°        | 240.7                        | 247.3      | 253.2       | 258.3       | 262.9       | 266.8       | 270.2       | 272.8       | 274.8       | 276.2       | 277.6       | 279.1       | 280.5       |
| 12,5°        | 242.1                        | 250.3      | 257.5       | 263.6       | 268.7       | 272.8       | 276.1       | 278.5       | 280.3       | 281.7       | 282.9       | 284.2       | 285.5       |
| 15,0°        | 243.2                        | 253.2      | 261.6       | 268.3       | 273.6       | 277.7       | 281.0       | 283.8       | 286.1       | 287.9       | 289.3       | 290.5       | 291.6       |
| 17,5°        | 244.4                        | 256.2      | 265.8       | 273.1       | 278.6       | 282.6       | 286.0       | 288.9       | 291.7       | 294.1       | 296.3       | 298.1       | 299.7       |
| 20,0°        | 247.2                        | 262.0      | 273.1       | 280.6       | 285.3       | 288.9       | 292.0       | 294.9       | 297.5       | 300.4       | 303.7       | 306.4       | 308.1       |
| 22,5°        | 250.6                        | 267.7      | 280.5       | 289.0       | 293.0       | 295.6       | 299.1       | 302.4       | 305.2       | 308.2       | 312.1       | 315.5       | 317.9       |
| 25,0°        | 253.7                        | 271.8      | 285.2       | 293.6       | 298.4       | 302.0       | 305.7       | 309.5       | 313.2       | 316.6       | 319.7       | 323.6       | 326.3       |
| 27,5°        | 259.5                        | 280.4      | 295.5       | 304.9       | 310.5       | 314.1       | 316.1       | 318.8       | 322.5       | 326.2       | 329.4       | 331.8       | 333.4       |
| 30,0°        | 262.3                        | 285.3      | 301.7       | 311.7       | 318.2       | 323.2       | 326.6       | 328.9       | 330.9       | 334.2       | 335.4       | 334.9       | 332.8       |
| 32,5°        | 266.9                        | 291.7      | 309.3       | 319.4       | 325.5       | 330.3       | 334.7       | 338.2       | 339.3       | 338.9       | 336.5       | 331.7       | 325.8       |
| 35,0°        | 273.0                        | 300.4      | 319.1       | 330.7       | 337.7       | 342.5       | 346.3       | 348.7       | 347.4       | 340.9       | 331.9       | 324.2       | 315.2       |
| 37,5°        | 280.8                        | 310.7      | 331.0       | 344.1       | 352.2       | 356.8       | 359.5       | 358.9       | 351.7       | 339.1       | 323.9       | 313.3       | 300.6       |
| 40,0°        | 291.0                        | 324.4      | 346.4       | 360.2       | 368.8       | 374.4       | 376.5       | 369.9       | 354.1       | 333.7       | 312.4       | 293.8       | 275.9       |
| 42,5°        | 303.8                        | 340.0      | 363.4       | 378.0       | 386.3       | 391.3       | 391.2       | 378.8       | 354.2       | 323.4       | 294.1       | 267.2       | 243.1       |
| 45,0°        | 316.2                        | 356.0      | 380.1       | 394.5       | 403.2       | 407.8       | 401.4       | 380.8       | 347.9       | 309.8       | 273.1       | 238.7       | 207.4       |
| 47,5°        | 333.1                        | 374.5      | 399.2       | 413.4       | 421.6       | 424.7       | 412.0       | 378.8       | 338.2       | 294.3       | 248.5       | 208.9       | 176.1       |
| 50,0°        | 349.4                        | 394.1      | 420.1       | 434.7       | 442.0       | 440.1       | 418.4       | 377.5       | 326.4       | 275.1       | 222.7       | 184.4       | 169.2       |
| 52,5°        | 371.1                        | 416.7      | 444.9       | 459.9       | 464.5       | 452.4       | 419.9       | 370.6       | 310.9       | 252.5       | 204.0       | 186.7       | 195.6       |
| 55,0°        | 396.9                        | 446.5      | 476.8       | 490.8       | 491.6       | 467.2       | 422.8       | 361.7       | 293.9       | 233.1       | 204.4       | 210.0       | 235.1       |
| 57,5°        | 434.2                        | 490.3      | 522.2       | 531.6       | 524.1       | 485.2       | 423.4       | 351.0       | 274.1       | 222.1       | 219.9       | 252.9       | 291.6       |
| 60,0°        | 489.5                        | 549.8      | 579.9       | 585.8       | 565.7       | 508.8       | 430.4       | 338.9       | 258.8       | 233.1       | 262.9       | 299.7       | 321.7       |
| 62,5°        | 593.3                        | 647.0      | 670.9       | 665.5       | 624.4       | 544.2       | 440.8       | 335.5       | 273.5       | 278.1       | 304.7       | 316.3       | 310.1       |
| 65,0°        | 673.3                        | 726.9      | 744.7       | 729.6       | 673.5       | 579.4       | 465.3       | 363.6       | 317.2       | 316.8       | 319.7       | 306.5       | 282.1       |
| 67,5°        | 692.3                        | 734.5      | 738.2       | 706.3       | 642.7       | 556.8       | 463.7       | 382.3       | 347.7       | 336.9       | 316.9       | 279.9       | 236.1       |
| 70,0°        | 629.0                        | 640.5      | 619.1       | 578.0       | 519.0       | 457.0       | 394.4       | 353.3       | 340.5       | 324.9       | 286.4       | 233.9       | 198.5       |
| 72,5°        | 327.9                        | 325.8      | 291.9       | 301.0       | 323.1       | 314.1       | 287.3       | 268.5       | 257.1       | 233.5       | 204.7       | 182.0       | 158.1       |
| 75,0°        | 97.0                         | 63.1       | 54.8        | 75.1        | 154.3       | 189.6       | 178.5       | 152.6       | 113.5       | 87.4        | 107.1       | 102.2       | 86.8        |
| 77,5°        | 32.8                         | 28.1       | 25.1        | 25.4        | 52.2        | 80.6        | 76.8        | 38.5        | 23.7        | 25.5        | 35.7        | 35.5        | 32.3        |
| 80,0°        | 20.7                         | 17.4       | 17.1        | 16.6        | 19.5        | 24.8        | 19.4        | 13.3        | 12.8        | 13.0        | 14.2        | 16.7        | 16.3        |
| 82,5°        | 10.1                         | 9.1        | 9.8         | 10.2        | 9.5         | 9.2         | 8.9         | 7.5         | 7.6         | 7.7         | 7.4         | 8.2         | 8.6         |
| 85,0°        | 3.6                          | 3.2        | 3.4         | 3.4         | 3.3         | 3.4         | 3.4         | 3.4         | 3.4         | 3.4         | 3.2         | 3.2         | 3.1         |
| 87,5°        | 1.2                          | 1.2        | 1.2         | 1.1         | 1.1         | 1.0         | 0.9         | 0.9         | 0.8         | 0.8         | 0.7         | 0.6         | 0.6         |
| 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         |
| 100,0°       | 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         |
| 110,0°       | 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         |
| 120,0°       | 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         |
| 130,0°       | 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         |
| 140,0°       | 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         |
| 150,0°       | 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         |
| 160,0°       | 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         |
| 170,0°       | 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         |
| 180,0°       | 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: 5XA7782E1C1A<br>EAN: 4058352853313 | LP number<br>58550_144     |
| 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°         | 239.5                        | 239.5       | 239.5       | 239.5       | 239.5      | 239.5 | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        |
| 2,5°         | 255.0                        | 255.6       | 256.1       | 256.5       | 256.9      | 257.0 | 237.6        | 236.0        | 234.3        | 232.7        | 231.2        | 229.8        | 228.5        |
| 5,0°         | 267.7                        | 268.3       | 269.0       | 269.7       | 270.2      | 270.3 | 236.0        | 232.3        | 228.7        | 225.1        | 221.6        | 218.2        | 215.0        |
| 7,5°         | 275.7                        | 276.2       | 276.8       | 277.5       | 278.0      | 278.2 | 234.1        | 228.5        | 222.8        | 217.2        | 211.7        | 206.5        | 201.3        |
| 10,0°        | 281.4                        | 282.1       | 282.9       | 283.9       | 284.6      | 284.9 | 233.4        | 225.6        | 217.7        | 209.9        | 202.2        | 194.8        | 187.6        |
| 12,5°        | 286.9                        | 288.2       | 289.4       | 290.5       | 291.4      | 291.7 | 232.7        | 222.8        | 212.6        | 202.7        | 192.8        | 183.2        | 173.6        |
| 15,0°        | 293.1                        | 295.1       | 297.1       | 298.7       | 299.6      | 299.8 | 231.8        | 219.5        | 207.0        | 194.8        | 182.8        | 171.1        | 159.1        |
| 17,5°        | 301.1                        | 303.2       | 305.8       | 307.7       | 308.7      | 309.1 | 230.8        | 216.0        | 201.1        | 186.5        | 171.9        | 157.5        | 143.0        |
| 20,0°        | 309.2                        | 310.8       | 313.6       | 315.4       | 316.0      | 316.0 | 230.5        | 213.1        | 195.5        | 178.2        | 160.7        | 143.4        | 127.2        |
| 22,5°        | 318.3                        | 319.3       | 321.7       | 324.1       | 324.3      | 324.1 | 231.1        | 210.8        | 190.3        | 170.2        | 149.8        | 130.0        | 112.4        |
| 25,0°        | 327.4                        | 327.5       | 328.5       | 330.3       | 329.8      | 329.1 | 232.1        | 208.5        | 184.8        | 161.1        | 138.0        | 116.2        | 95.6         |
| 27,5°        | 332.5                        | 329.9       | 328.9       | 329.9       | 328.0      | 325.9 | 234.0        | 206.8        | 179.1        | 151.6        | 124.4        | 97.9         | 81.4         |
| 30,0°        | 329.4                        | 323.9       | 321.5       | 321.3       | 317.4      | 313.1 | 234.1        | 203.6        | 172.4        | 141.4        | 106.9        | 82.4         | 76.2         |
| 32,5°        | 319.2                        | 312.0       | 307.3       | 304.1       | 295.6      | 290.9 | 235.8        | 201.7        | 166.6        | 129.7        | 91.2         | 75.8         | 73.5         |
| 35,0°        | 305.5                        | 295.3       | 287.6       | 278.7       | 266.3      | 263.1 | 238.3        | 200.3        | 161.0        | 115.5        | 79.9         | 72.0         | 70.9         |
| 37,5°        | 285.5                        | 270.6       | 258.3       | 240.6       | 226.8      | 225.0 | 242.2        | 198.9        | 151.7        | 100.3        | 73.3         | 69.3         | 68.5         |
| 40,0°        | 255.6                        | 237.1       | 219.7       | 195.2       | 185.0      | 183.7 | 248.0        | 198.8        | 140.1        | 85.3         | 68.2         | 66.5         | 65.9         |
| 42,5°        | 218.8                        | 194.2       | 173.9       | 156.4       | 149.0      | 148.0 | 254.8        | 201.0        | 131.0        | 77.5         | 64.8         | 63.6         | 63.2         |
| 45,0°        | 181.0                        | 156.7       | 141.7       | 130.5       | 126.7      | 127.1 | 263.3        | 201.7        | 120.4        | 71.4         | 61.7         | 60.7         | 60.4         |
| 47,5°        | 157.5                        | 145.8       | 141.0       | 141.9       | 141.4      | 144.0 | 275.1        | 206.3        | 118.8        | 68.7         | 59.2         | 58.2         | 57.8         |
| 50,0°        | 172.0                        | 175.4       | 180.4       | 188.9       | 191.2      | 194.6 | 287.2        | 210.9        | 113.6        | 65.4         | 56.6         | 55.6         | 55.1         |
| 52,5°        | 211.8                        | 224.2       | 237.9       | 253.7       | 258.4      | 261.7 | 302.8        | 214.9        | 112.5        | 63.4         | 54.2         | 53.1         | 52.5         |
| 55,0°        | 265.3                        | 288.2       | 308.0       | 327.0       | 329.2      | 331.6 | 321.4        | 220.0        | 112.7        | 61.3         | 51.8         | 50.5         | 50.0         |
| 57,5°        | 323.1                        | 340.4       | 353.1       | 365.8       | 363.4      | 363.4 | 352.4        | 230.7        | 116.6        | 60.1         | 49.3         | 48.0         | 47.5         |
| 60,0°        | 331.5                        | 333.4       | 339.3       | 346.1       | 339.9      | 339.9 | 397.0        | 252.7        | 122.8        | 59.8         | 46.9         | 45.5         | 45.0         |
| 62,5°        | 300.7                        | 290.4       | 287.4       | 286.7       | 277.0      | 273.4 | 483.0        | 311.0        | 147.5        | 64.8         | 45.3         | 43.3         | 42.6         |
| 65,0°        | 253.4                        | 227.2       | 212.9       | 212.7       | 205.1      | 203.4 | 568.9        | 385.2        | 207.0        | 89.5         | 46.7         | 41.7         | 40.4         |
| 67,5°        | 201.9                        | 183.2       | 157.4       | 145.0       | 134.7      | 137.1 | 586.1        | 419.8        | 251.0        | 133.6        | 58.6         | 42.4         | 37.8         |
| 70,0°        | 179.3                        | 159.0       | 76.7        | 59.5        | 55.4       | 61.0  | 469.1        | 325.6        | 213.5        | 120.4        | 59.8         | 44.4         | 36.6         |
| 72,5°        | 141.1                        | 117.8       | 36.2        | 28.5        | 28.5       | 27.5  | 196.0        | 136.9        | 113.2        | 71.9         | 45.2         | 39.0         | 32.2         |
| 75,0°        | 76.2                         | 62.7        | 25.0        | 21.1        | 20.9       | 19.7  | 57.7         | 36.1         | 37.9         | 34.6         | 27.7         | 25.8         | 23.8         |
| 77,5°        | 31.6                         | 29.8        | 17.0        | 14.9        | 14.6       | 13.4  | 26.4         | 22.7         | 22.4         | 20.9         | 18.3         | 17.0         | 16.6         |
| 80,0°        | 14.2                         | 13.2        | 10.0        | 9.3         | 8.7        | 8.1   | 18.9         | 15.6         | 13.6         | 13.0         | 11.9         | 11.2         | 11.1         |
| 82,5°        | 7.0                          | 6.3         | 5.3         | 4.8         | 4.3        | 4.0   | 10.3         | 8.8          | 7.5          | 7.3          | 8.1          | 6.8          | 6.7          |
| 85,0°        | 2.6                          | 2.3         | 1.9         | 1.7         | 1.7        | 1.6   | 3.8          | 3.4          | 3.2          | 3.3          | 3.7          | 3.4          | 3.3          |
| 87,5°        | 0.6                          | 0.6         | 0.6         | 0.6         | 0.6        | 0.6   | 1.3          | 1.3          | 1.3          | 1.4          | 1.3          | 1.3          | 1.3          |
| 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          |
| 100,0°       | 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          |
| 110,0°       | 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          |
| 120,0°       | 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          |
| 130,0°       | 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          |
| 140,0°       | 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          |
| 150,0°       | 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          |
| 160,0°       | 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          |
| 170,0°       | 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          |
| 180,0°       | 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: 5XA7782E1C1A<br>EAN: 4058352853313 | LP number<br>58550_144     |
| Table of values for luminous intensities |                                                  | Maximum luminous intensity |
|                                          |                                                  | siteco                     |

| C-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°     | 239.5                        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5        | 239.5 | 0.4                     | 0.4               |
| 2,5°     | 227.2                        | 225.9        | 224.6        | 223.6        | 222.7        | 221.9        | 221.2        | 220.5        | 220.1        | 219.9        | 219.9 | 2.9                     | 3.2               |
| 5,0°     | 212.0                        | 209.0        | 206.3        | 203.8        | 201.6        | 199.6        | 197.9        | 196.6        | 195.6        | 195.2        | 195.0 | 5.6                     | 8.9               |
| 7,5°     | 196.3                        | 191.7        | 187.4        | 183.4        | 179.7        | 176.5        | 173.7        | 171.6        | 170.0        | 169.2        | 168.9 | 8.3                     | 17.1              |
| 10,0°    | 180.5                        | 173.8        | 167.5        | 161.7        | 156.3        | 151.7        | 147.7        | 144.7        | 142.5        | 141.3        | 140.9 | 10.7                    | 27.9              |
| 12,5°    | 164.1                        | 154.9        | 146.3        | 138.5        | 131.5        | 125.6        | 120.8        | 117.2        | 114.6        | 113.1        | 112.6 | 13.1                    | 40.9              |
| 15,0°    | 147.0                        | 135.8        | 125.6        | 116.9        | 109.5        | 103.6        | 99.0         | 95.9         | 93.7         | 92.4         | 91.9  | 15.3                    | 56.2              |
| 17,5°    | 129.3                        | 117.1        | 105.9        | 95.3         | 87.4         | 82.1         | 78.6         | 76.3         | 75.0         | 74.1         | 73.9  | 17.4                    | 73.6              |
| 20,0°    | 113.2                        | 98.1         | 85.6         | 79.3         | 76.7         | 75.0         | 73.8         | 72.9         | 72.0         | 71.4         | 71.2  | 19.7                    | 93.3              |
| 22,5°    | 95.0                         | 82.3         | 78.1         | 76.5         | 75.2         | 73.9         | 72.6         | 71.5         | 70.5         | 69.8         | 69.6  | 22.2                    | 115.5             |
| 25,0°    | 81.5                         | 77.6         | 76.4         | 75.4         | 74.3         | 72.9         | 71.5         | 70.2         | 69.0         | 68.1         | 67.7  | 24.6                    | 140.0             |
| 27,5°    | 77.2                         | 75.9         | 75.2         | 74.4         | 73.3         | 71.9         | 70.3         | 68.8         | 67.5         | 66.4         | 65.8  | 27.0                    | 167.1             |
| 30,0°    | 75.0                         | 74.4         | 74.0         | 73.4         | 72.4         | 71.1         | 69.4         | 67.6         | 66.1         | 64.8         | 64.1  | 29.1                    | 196.2             |
| 32,5°    | 73.0                         | 72.8         | 72.7         | 72.3         | 71.5         | 70.1         | 68.3         | 66.4         | 64.7         | 63.1         | 62.3  | 31.0                    | 227.2             |
| 35,0°    | 70.7                         | 70.7         | 71.1         | 70.8         | 70.1         | 68.7         | 66.8         | 64.7         | 62.8         | 61.1         | 60.1  | 32.6                    | 259.8             |
| 37,5°    | 68.4                         | 68.7         | 69.0         | 68.9         | 68.3         | 67.0         | 65.2         | 63.0         | 60.9         | 58.9         | 57.7  | 33.9                    | 293.7             |
| 40,0°    | 65.9                         | 66.3         | 66.6         | 66.6         | 66.1         | 64.9         | 62.8         | 60.8         | 58.8         | 56.8         | 55.7  | 34.8                    | 328.4             |
| 42,5°    | 63.2                         | 63.5         | 63.8         | 64.2         | 63.5         | 62.2         | 60.9         | 59.1         | 57.1         | 55.1         | 53.9  | 35.4                    | 363.8             |
| 45,0°    | 60.3                         | 60.4         | 60.9         | 60.8         | 60.4         | 59.8         | 59.0         | 57.6         | 56.0         | 54.0         | 52.7  | 35.9                    | 399.7             |
| 47,5°    | 57.5                         | 57.6         | 57.6         | 57.5         | 57.5         | 57.4         | 57.2         | 56.6         | 55.4         | 53.4         | 52.3  | 37.4                    | 437.1             |
| 50,0°    | 54.8                         | 54.7         | 54.2         | 54.4         | 54.7         | 55.2         | 55.8         | 56.1         | 55.4         | 53.9         | 52.9  | 40.1                    | 477.3             |
| 52,5°    | 52.3                         | 51.8         | 51.5         | 51.8         | 52.6         | 54.0         | 55.8         | 57.1         | 56.9         | 56.1         | 55.4  | 44.0                    | 521.3             |
| 55,0°    | 49.7                         | 49.1         | 49.3         | 49.8         | 51.2         | 54.0         | 57.2         | 59.7         | 59.7         | 59.4         | 59.0  | 49.0                    | 570.3             |
| 57,5°    | 47.0                         | 46.7         | 47.1         | 48.1         | 50.3         | 54.9         | 60.1         | 63.2         | 62.8         | 62.9         | 63.2  | 54.1                    | 624.4             |
| 60,0°    | 44.4                         | 44.3         | 44.9         | 46.7         | 50.3         | 56.4         | 63.0         | 65.8         | 64.7         | 64.9         | 65.4  | 58.2                    | 682.6             |
| 62,5°    | 41.9                         | 41.8         | 42.6         | 45.2         | 49.8         | 56.6         | 63.2         | 65.4         | 63.8         | 64.3         | 64.7  | 62.7                    | 745.4             |
| 65,0°    | 39.4                         | 39.1         | 40.3         | 43.4         | 48.5         | 55.5         | 62.0         | 63.2         | 60.9         | 61.1         | 61.7  | 66.5                    | 811.9             |
| 67,5°    | 36.2                         | 35.8         | 37.1         | 40.3         | 45.6         | 52.7         | 58.1         | 58.5         | 55.7         | 55.6         | 56.0  | 65.8                    | 877.7             |
| 70,0°    | 32.2                         | 31.7         | 33.2         | 36.7         | 41.9         | 47.8         | 51.8         | 51.5         | 48.8         | 48.0         | 48.6  | 56.2                    | 933.9             |
| 72,5°    | 27.3                         | 26.7         | 28.3         | 31.5         | 36.0         | 40.7         | 43.3         | 42.4         | 39.8         | 38.7         | 39.9  | 35.2                    | 969.1             |
| 75,0°    | 21.9                         | 21.8         | 23.2         | 26.0         | 29.5         | 33.0         | 34.3         | 33.1         | 30.6         | 30.0         | 31.7  | 16.3                    | 985.4             |
| 77,5°    | 16.5                         | 16.7         | 17.8         | 19.8         | 22.4         | 24.6         | 25.4         | 23.9         | 21.9         | 21.5         | 22.1  | 7.4                     | 992.8             |
| 80,0°    | 11.3                         | 11.4         | 12.2         | 13.6         | 15.1         | 16.4         | 16.6         | 15.2         | 13.9         | 13.5         | 13.6  | 3.9                     | 996.7             |
| 82,5°    | 6.7                          | 6.8          | 7.2          | 7.7          | 8.1          | 8.4          | 8.2          | 7.5          | 6.9          | 6.7          | 6.7   | 2.1                     | 998.8             |
| 85,0°    | 3.2                          | 3.1          | 3.2          | 3.3          | 3.4          | 3.6          | 3.5          | 3.1          | 2.8          | 2.7          | 2.7   | 0.8                     | 999.7             |
| 87,5°    | 1.2                          | 1.2          | 1.1          | 1.0          | 1.0          | 1.0          | 1.0          | 0.9          | 0.9          | 0.9          | 0.9   | 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            |
| 100,0°   | 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            |
| 110,0°   | 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            |
| 120,0°   | 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            |
| 130,0°   | 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            |
| 140,0°   | 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            |
| 150,0°   | 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            |
| 160,0°   | 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            |
| 170,0°   | 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            |
| 180,0°   | 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: 5XA7782E1C1A<br>EAN: 4058352853313 | LP number<br>58550_144                                                              |
| Dimming levels table <div>environmental temperature: 25°C</div> |                                                  |  |

| Luminous flux<br>[%] | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W]start of lifetime | Power consumption<br>[W]end of lifetime | Power consumption<br>[W]average |
|----------------------|-------------------------|------------------------------|-----------------------|-------------------------------------------|-----------------------------------------|---------------------------------|
| 100                  | 254                     | 254                          | 21820                 | 208.1                                     | 227.1                                   | 217.6                           |
| 95                   | 241                     | 252                          | 20703                 | 193.8                                     | 211.2                                   | 202.5                           |
| 90                   | 229                     | 250                          | 19672                 | 181.2                                     | 197.5                                   | 189.4                           |
| 85                   | 216                     | 248                          | 18556                 | 167.9                                     | 182.9                                   | 175.4                           |
| 80                   | 203                     | 246                          | 17439                 | 155.2                                     | 168.9                                   | 162.0                           |
| 75                   | 190                     | 243                          | 16322                 | 143.1                                     | 155.4                                   | 149.2                           |
| 70                   | 178                     | 241                          | 15291                 | 132.2                                     | 143.6                                   | 137.9                           |
| 65                   | 165                     | 238                          | 14174                 | 120.8                                     | 131.2                                   | 126.0                           |
| 60                   | 152                     | 235                          | 13058                 | 110.0                                     | 119.2                                   | 114.6                           |
| 55                   | 140                     | 232                          | 12027                 | 100.1                                     | 108.6                                   | 104.4                           |
| 50                   | 127                     | 229                          | 10910                 | 89.9                                      | 97.4                                    | 93.6                            |
| 45                   | 114                     | 225                          | 9793                  | 79.9                                      | 86.5                                    | 83.2                            |
| 40                   | 102                     | 221                          | 8762                  | 70.8                                      | 76.8                                    | 73.8                            |
| 35                   | 89                      | 216                          | 7646                  | 61.4                                      | 66.4                                    | 63.9                            |
| 30                   | 76                      | 210                          | 6529                  | 52.2                                      | 56.4                                    | 54.3                            |
| 25                   | 63                      | 203                          | 5412                  | 43.6                                      | 46.9                                    | 45.2                            |
| 20                   | 51                      | 195                          | 4381                  | 35.9                                      | 38.5                                    | 37.2                            |
| 15                   | 38                      | 184                          | 3264                  | 27.6                                      | 29.6                                    | 28.6                            |
| 13                   | 32                      | 178                          | 2749                  | 23.9                                      | 25.5                                    | 24.7                            |