

## Photometric test report

### Family Floodlight FL21 midi

**Order number: 5XA7782F4B1A**  
**EAN: 4058352854662**

**LP number**  
**59238\_95**

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



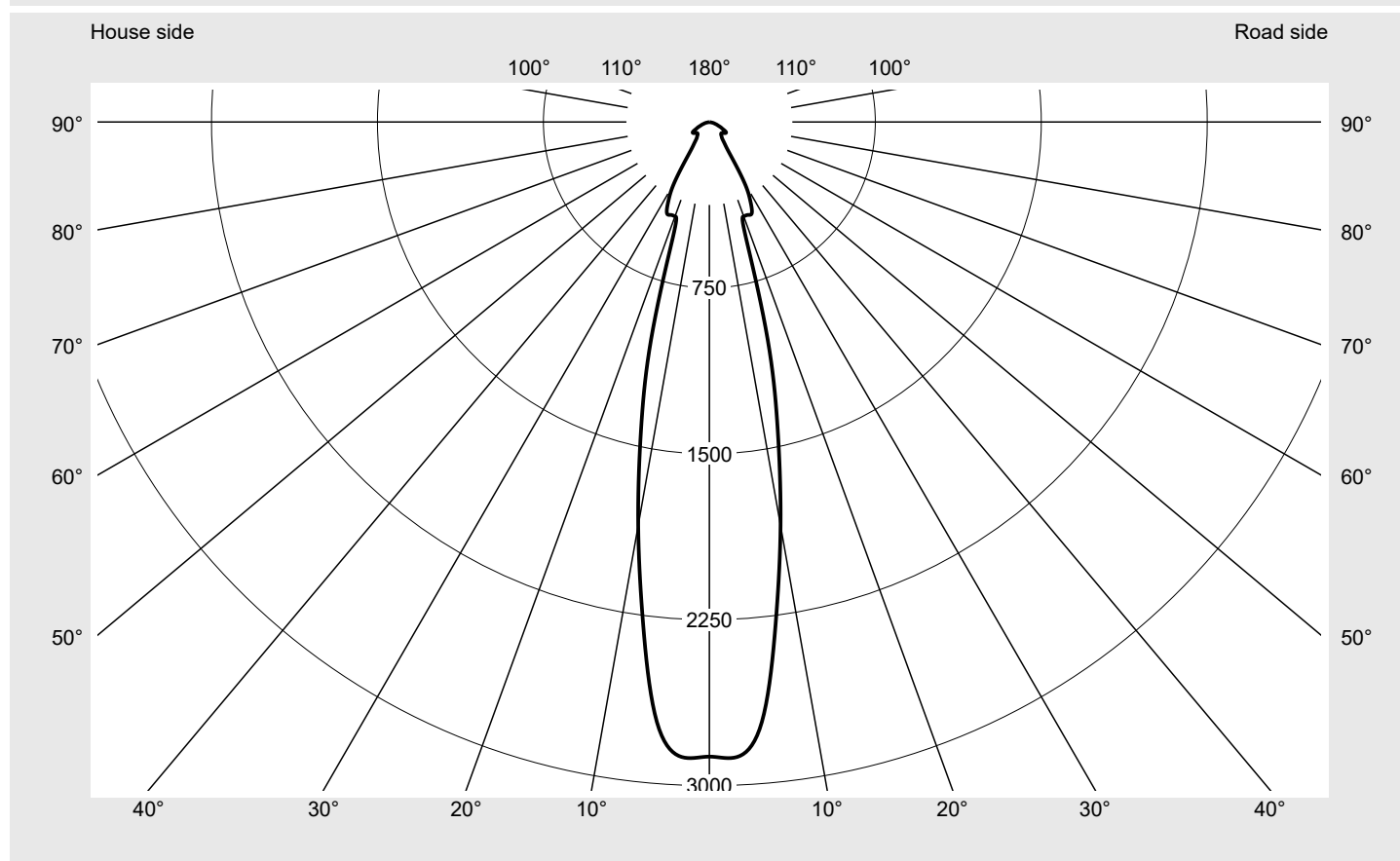
|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| <b>Version</b>      | mounting bracket                                                                              |
| <b>Optic</b>        | direct, symmetric ellipsoid distribution<br>R120004                                           |
| <b>Cover</b>        | toughened safety glass                                                                        |
| <b>Lamps</b>        | LED 4000 K   CRI ≥ 70                                                                         |
| <b>Controlgear</b>  | ECG SITECO iQ                                                                                 |
| <b>Rated values</b> | Net luminous flux = 37160 lm<br>Power consumption = 270.2 W<br>Luminous efficacy = 137.5 lm/W |

**siteco**

**Luminous intensity in cd/klm**

**C180-0**

**Imax: 2873 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°  | 36.4 |
| Imax 80°  | 9.1  |
| Imax 90°  | 0.0  |
| Imax >90° | 0.0  |
| Imax >95° | 0.0  |

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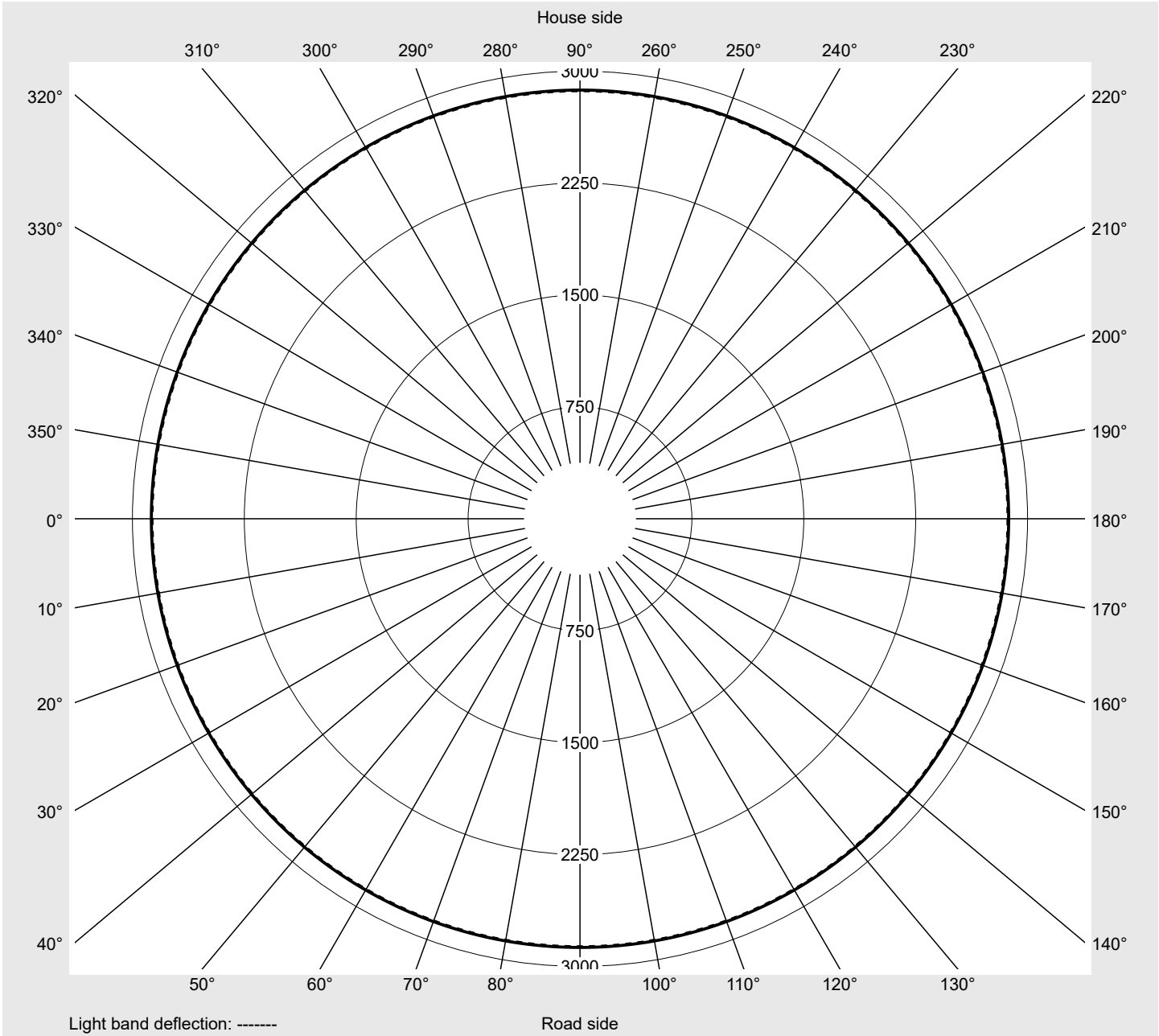
Envelope curve in cd/klm

KMK 2,5°

KMK 0°

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|                                          |                                                  |                            |
|------------------------------------------|--------------------------------------------------|----------------------------|
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| Table of values for luminous intensities |                                                  | Maximum luminous intensity |

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| C-planes | 0°                           | Phi-zone | Total<br>Phi-zone       |
|----------|------------------------------|----------|-------------------------|
| γ        | Luminous intensity in cd/klm |          | Luminous flux in lm/klm |
| 0,0°     | 2868.8                       | 4.3      | 4.3                     |
| 2,5°     | 2873.2                       | 34.4     | 38.6                    |
| 5,0°     | 2722.5                       | 65.0     | 103.7                   |
| 7,5°     | 2292.0                       | 82.0     | 185.7                   |
| 10,0°    | 1852.6                       | 88.2     | 273.9                   |
| 12,5°    | 1427.9                       | 84.7     | 358.6                   |
| 15,0°    | 1018.5                       | 72.3     | 430.9                   |
| 17,5°    | 552.2                        | 45.5     | 476.4                   |
| 20,0°    | 453.7                        | 42.5     | 518.9                   |
| 22,5°    | 454.7                        | 47.7     | 566.6                   |
| 25,0°    | 454.2                        | 52.6     | 619.2                   |
| 27,5°    | 400.1                        | 50.6     | 669.9                   |
| 30,0°    | 317.0                        | 43.5     | 713.3                   |
| 32,5°    | 178.5                        | 26.3     | 739.6                   |
| 35,0°    | 121.9                        | 19.2     | 758.8                   |
| 37,5°    | 96.3                         | 16.1     | 774.9                   |
| 40,0°    | 86.4                         | 15.2     | 790.1                   |
| 42,5°    | 78.8                         | 14.6     | 804.7                   |
| 45,0°    | 75.0                         | 14.5     | 819.2                   |
| 47,5°    | 74.2                         | 15.0     | 834.2                   |
| 50,0°    | 76.8                         | 16.1     | 850.4                   |
| 52,5°    | 82.1                         | 17.9     | 868.2                   |
| 55,0°    | 87.5                         | 19.7     | 887.9                   |
| 57,5°    | 89.5                         | 20.7     | 908.6                   |
| 60,0°    | 83.0                         | 19.7     | 928.3                   |
| 62,5°    | 67.2                         | 16.3     | 944.6                   |
| 65,0°    | 57.1                         | 14.2     | 958.8                   |
| 67,5°    | 43.9                         | 11.1     | 969.9                   |
| 70,0°    | 36.4                         | 9.4      | 979.3                   |
| 72,5°    | 27.1                         | 7.1      | 986.4                   |
| 75,0°    | 21.2                         | 5.6      | 992.0                   |
| 77,5°    | 13.7                         | 3.7      | 995.6                   |
| 80,0°    | 9.1                          | 2.5      | 998.1                   |
| 82,5°    | 4.7                          | 1.3      | 999.4                   |
| 85,0°    | 1.8                          | 0.5      | 999.9                   |
| 87,5°    | 0.5                          | 0.1      | 1000.0                  |
| 90,0°    | 0.0                          | 0.0      | 1000.0                  |

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|                                |                                                  |                       |
|--------------------------------|--------------------------------------------------|-----------------------|
| Family<br>Floodlight FL21 midi | Order number: 5XA7782F4B1A<br>EAN: 4058352854662 | LP number<br>59238_95 |
| Dimming levels table           | environmental temperature: 25°C                  | siteco                |

| 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                          | 37160                 | 270.2                                     | 286.6                                   | 278.4                           |
| 95                   | 241                     | 252                          | 35258                 | 251.7                                     | 266.8                                   | 259.2                           |
| 90                   | 229                     | 250                          | 33503                 | 235.4                                     | 249.4                                   | 242.4                           |
| 85                   | 216                     | 248                          | 31601                 | 218.4                                     | 231.3                                   | 224.8                           |
| 80                   | 203                     | 246                          | 29699                 | 202.1                                     | 214.0                                   | 208.0                           |
| 75                   | 190                     | 243                          | 27797                 | 186.5                                     | 197.3                                   | 191.9                           |
| 70                   | 178                     | 241                          | 26041                 | 172.6                                     | 182.5                                   | 177.6                           |
| 65                   | 165                     | 238                          | 24139                 | 158.0                                     | 167.0                                   | 162.5                           |
| 60                   | 152                     | 235                          | 22237                 | 143.8                                     | 152.0                                   | 147.9                           |
| 55                   | 140                     | 232                          | 20482                 | 131.2                                     | 138.6                                   | 134.9                           |
| 50                   | 127                     | 229                          | 18580                 | 117.7                                     | 124.4                                   | 121.0                           |
| 45                   | 114                     | 225                          | 16678                 | 104.5                                     | 110.6                                   | 107.6                           |
| 40                   | 102                     | 221                          | 14923                 | 92.7                                      | 97.9                                    | 95.3                            |
| 35                   | 89                      | 216                          | 13021                 | 80.2                                      | 84.6                                    | 82.4                            |
| 30                   | 76                      | 210                          | 11119                 | 68.1                                      | 71.8                                    | 69.9                            |
| 25                   | 63                      | 203                          | 9217                  | 56.4                                      | 59.4                                    | 57.9                            |
| 20                   | 51                      | 195                          | 7461                  | 45.9                                      | 48.3                                    | 47.1                            |
| 15                   | 38                      | 184                          | 5559                  | 34.9                                      | 36.6                                    | 35.8                            |
| 12                   | 31                      | 177                          | 4535                  | 29.0                                      | 30.4                                    | 29.7                            |