

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772C4B1A
EAN: 4058352655399

LP number
59238_64



| | |
|--------------|--|
| Version | mounting bracket |
| Optic | symmetric distribution RS12 |
| Cover | toughened safety glass |
| Lamps | LED 4000 K CRI ≥ 70 |
| Controlgear | ECG SITECO iQ |
| Rated values | Net luminous flux = 12860 lm Power consumption = 87.2 W Luminous efficacy = 147.5 lm/W |

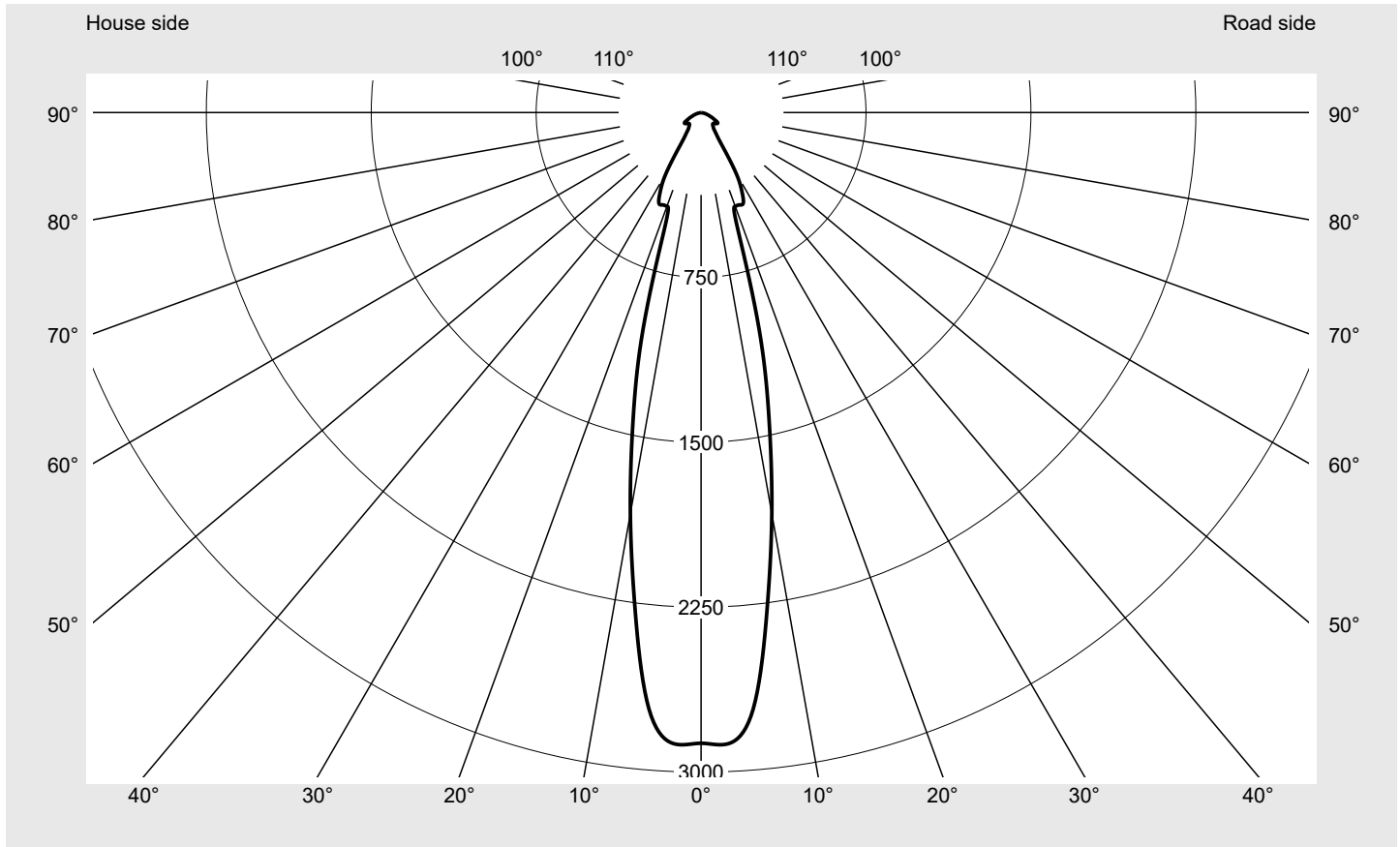
serial
documentation
26.08.2022

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% |

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 |

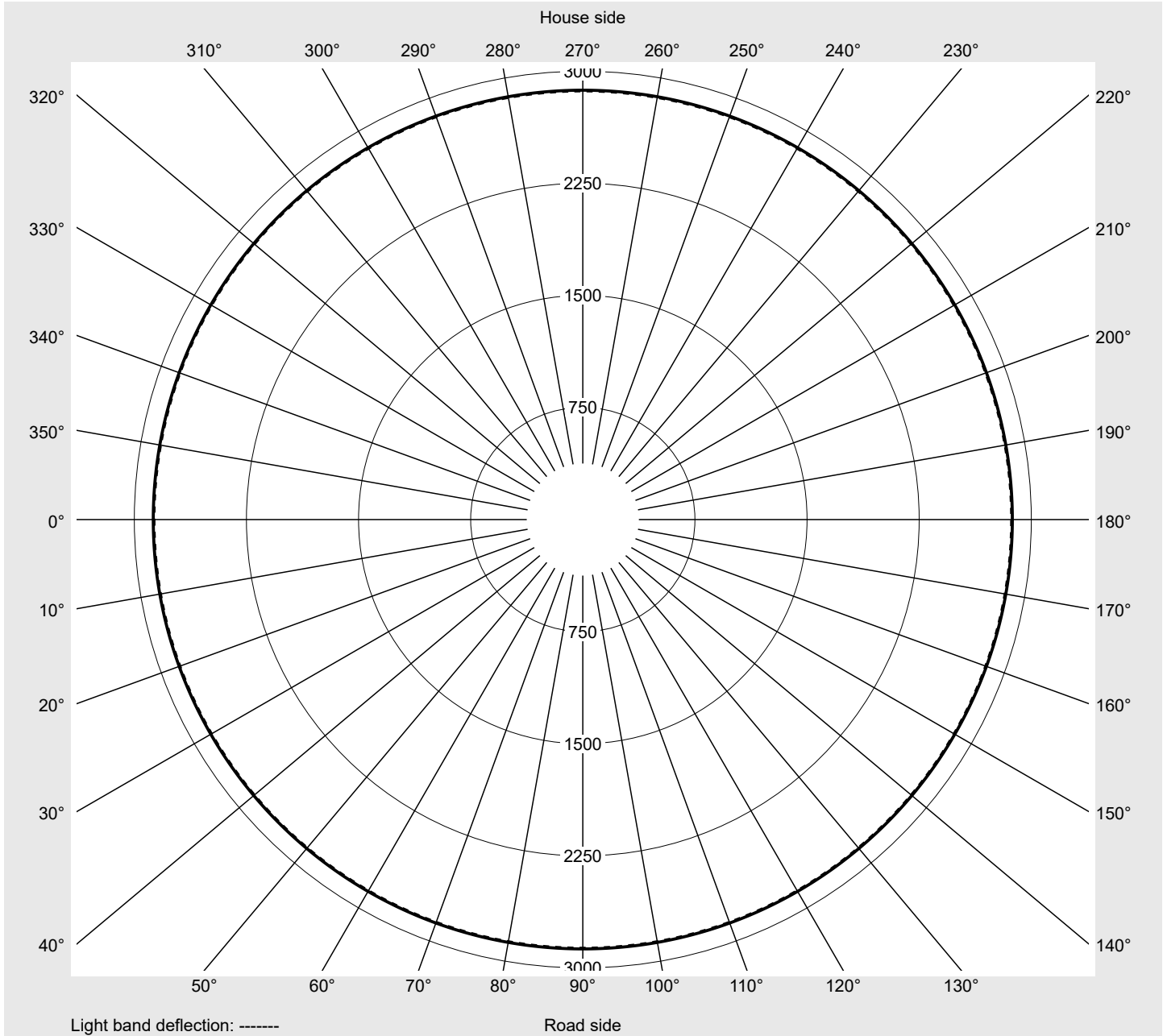
Measurement conditions

DIN EN 13032 and DIN 5032

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| Envelope curve in cd/klm | KMK 2.5° | KMK 0° | |
|---------------------------------|-----------------|---------------|--|



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sITeco

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

| C-planes | 0° | Phi-zone | Total 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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| Dimming levels table | environmental temperature: 25°C | siteco |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] | Power consumption [W] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|-----------------------|-----------------------|
| | | | | start of lifetime | end of lifetime | average |
| 100 | 254 | 254 | 12860 | 87.2 | 92.1 | 89.6 |
| 95 | 241 | 252 | 12202 | 81.9 | 86.5 | 84.2 |
| 90 | 229 | 250 | 11594 | 77.1 | 81.4 | 79.2 |
| 85 | 216 | 248 | 10936 | 72.1 | 76.1 | 74.1 |
| 80 | 203 | 246 | 10278 | 67.2 | 70.8 | 69.0 |
| 75 | 190 | 243 | 9620 | 62.3 | 65.8 | 64.0 |
| 70 | 178 | 241 | 9012 | 58.0 | 61.1 | 59.6 |
| 65 | 165 | 238 | 8354 | 53.3 | 56.2 | 54.8 |
| 60 | 152 | 235 | 7696 | 48.6 | 51.4 | 50.0 |
| 55 | 140 | 232 | 7088 | 44.5 | 46.9 | 45.7 |
| 50 | 127 | 229 | 6430 | 40.2 | 42.3 | 41.2 |
| 45 | 114 | 225 | 5772 | 35.9 | 37.8 | 36.8 |
| 40 | 102 | 221 | 5164 | 32.0 | 33.6 | 32.8 |
| 35 | 89 | 216 | 4506 | 27.9 | 29.3 | 28.6 |
| 30 | 76 | 210 | 3848 | 23.9 | 25.1 | 24.5 |
| 25 | 63 | 203 | 3190 | 20.0 | 21.0 | 20.5 |
| 20 | 51 | 195 | 2582 | 16.5 | 17.3 | 16.9 |
| 16 | 40 | 186 | 2025 | 13.3 | 13.9 | 13.6 |