

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782F1B1A
EAN: 4058352854174

LP number
59238_92

serial
documentation
22.08.2023



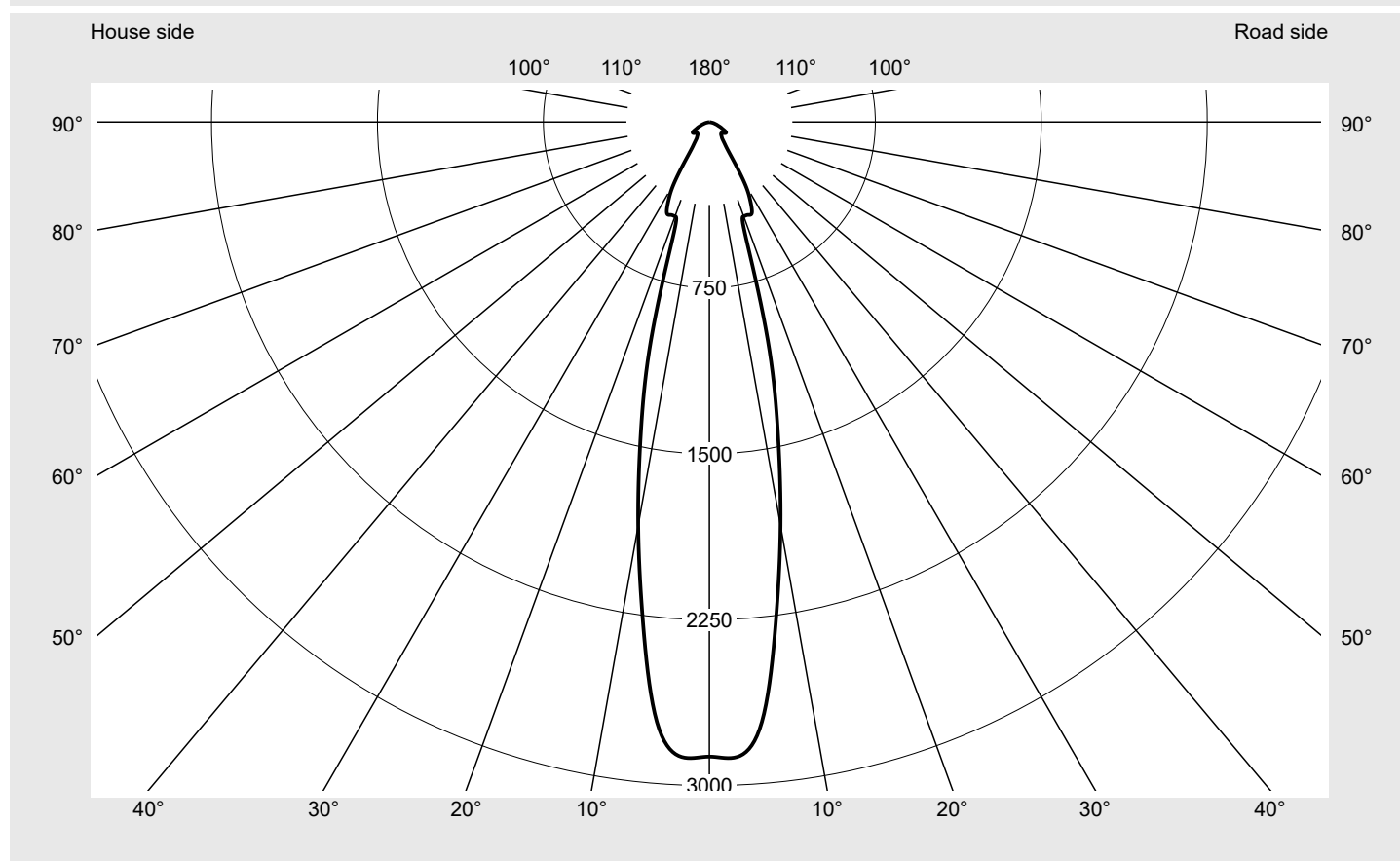
Version mounting bracket
Optic direct, symmetric ellipsoid distribution
R120004
Cover toughened safety glass
Lamps LED 2200 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 29450 lm
Power consumption = 270.2 W
Luminous efficacy = 109 lm/W

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%

Luminous intensity class acc. to EN13201-2

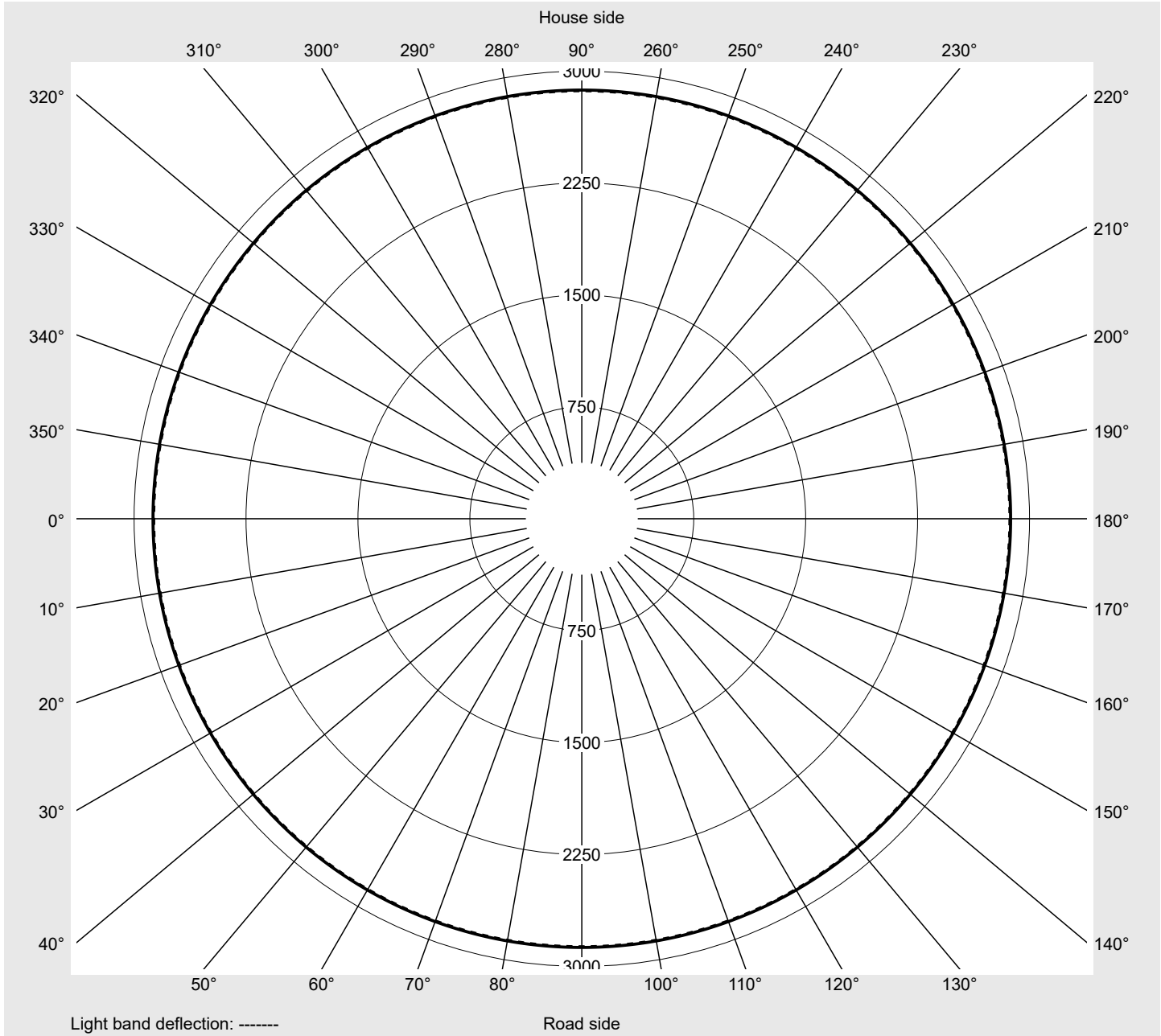
Class:	G6
Imax 70°	36.4
Imax 80°	9.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm KMK 2,5° KMK 0°		siteco



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Table of values for luminous intensities Maximum luminous intensity		sITeco

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]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	29450	270.2	286.6	278.4
95	241	252	27943	251.6	266.7	259.2
90	229	250	26551	235.2	249.1	242.2
85	216	248	25044	218.1	230.9	224.5
80	203	246	23537	201.7	213.6	207.6
75	190	243	22030	186.1	196.8	191.4
70	178	241	20638	172.1	182.0	177.0
65	165	238	19131	157.5	166.5	162.0
60	152	235	17624	143.3	151.5	147.4
55	140	232	16232	130.7	138.1	134.4
50	127	229	14725	117.2	123.8	120.5
45	114	225	13218	104.0	110.1	107.0
40	102	221	11826	92.2	97.4	94.8
35	89	216	10319	79.8	84.2	82.0
30	76	210	8812	67.7	71.4	69.6
25	63	203	7305	56.1	59.0	57.6
20	51	195	5913	45.6	48.0	46.8
15	38	184	4406	34.6	36.4	35.5
12	31	177	3594	28.8	30.2	29.5