

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7781E6B1A
EAN: 4058352852736

LP number
59238_89

serial
documentation
22.08.2023



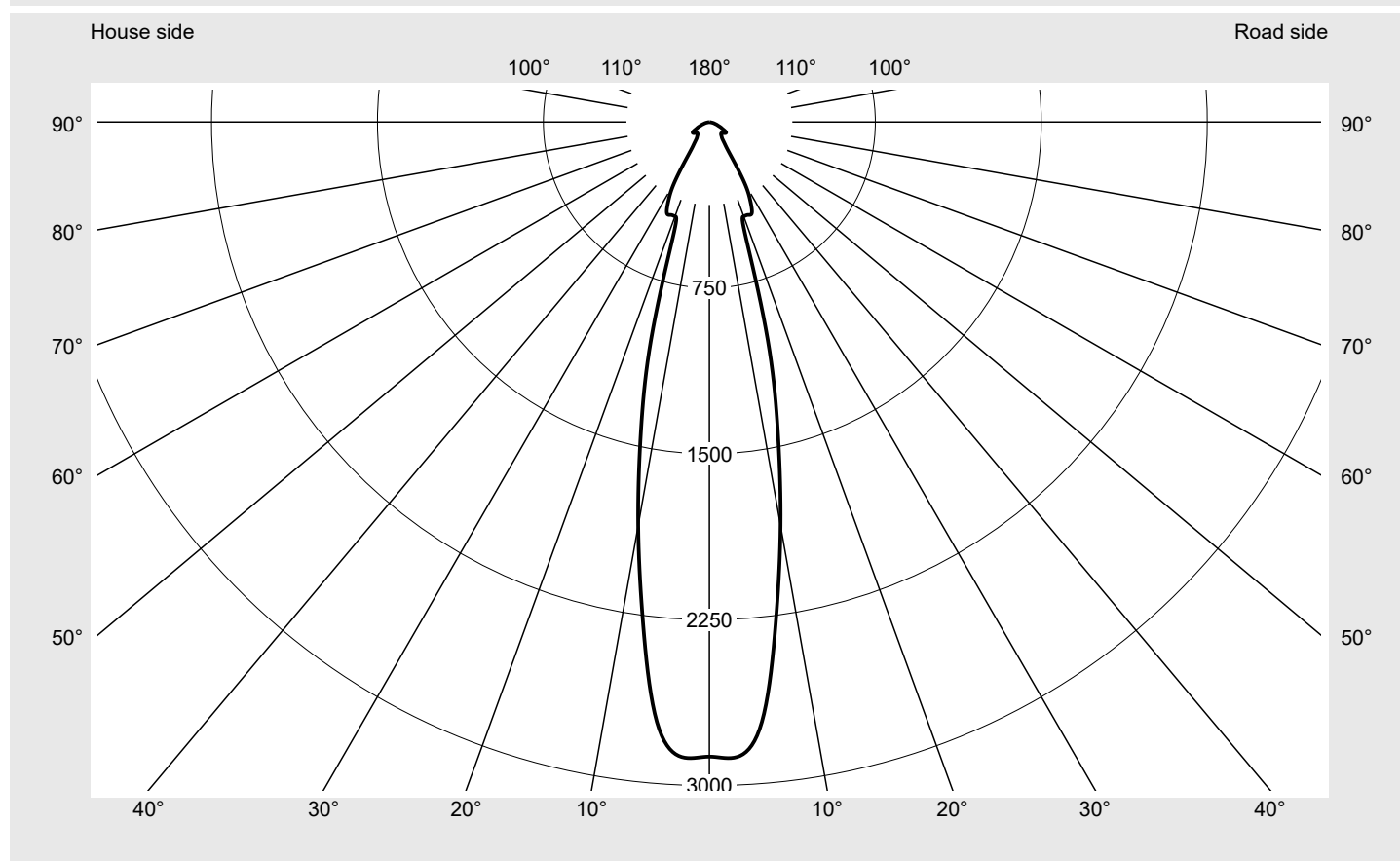
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 5700 K CRI ≥ 90
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 21420 lm Power consumption = 208.1 W Luminous efficacy = 102.9 lm/W

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

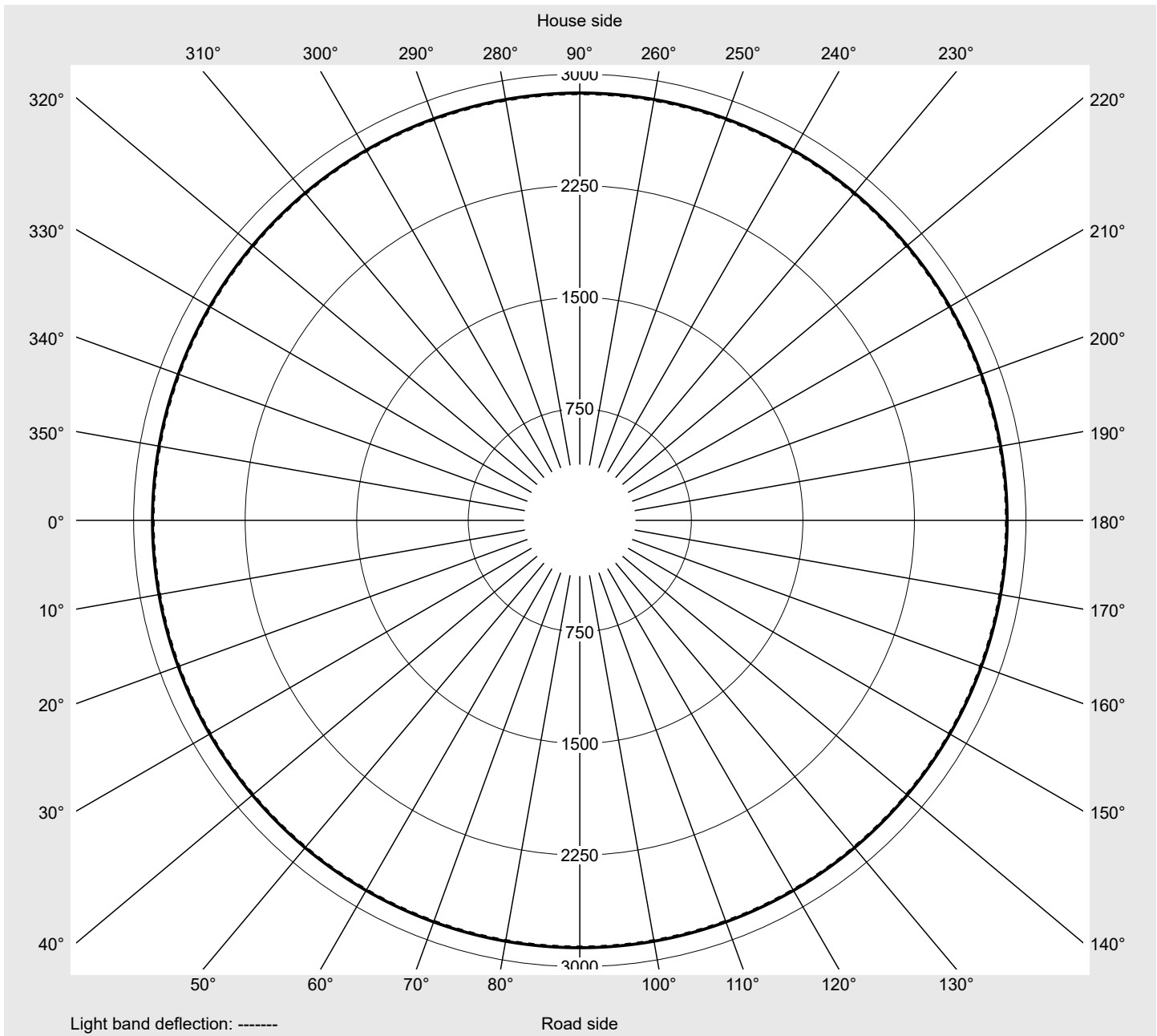
DIN EN 13032 and DIN 5032

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° siteco



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Table of values for luminous intensities		Maximum luminous intensity

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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
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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	21420	208.1	227.1	217.6
95	241	252	20324	193.9	211.3	202.6
90	229	250	19312	181.2	197.5	189.4
85	216	248	18215	168.0	183.0	175.5
80	203	246	17119	155.3	168.9	162.1
75	190	243	16023	143.2	155.5	149.4
70	178	241	15011	132.3	143.7	138.0
65	165	238	13915	120.9	131.3	126.1
60	152	235	12818	110.1	119.4	114.8
55	140	232	11806	100.2	108.8	104.5
50	127	229	10710	90.0	97.5	93.8
45	114	225	9614	80.0	86.6	83.3
40	102	221	8602	70.9	76.9	73.9
35	89	216	7505	61.5	66.5	64.0
30	76	210	6409	52.3	56.5	54.4
25	63	203	5313	43.7	47.0	45.4
20	51	195	4301	35.9	38.5	37.2
15	38	184	3205	27.7	29.6	28.6
13	32	178	2699	24.0	25.5	24.8