

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782E1B1A
EAN: 4058352853290

LP number
59238_84

serial
documentation
22.08.2023



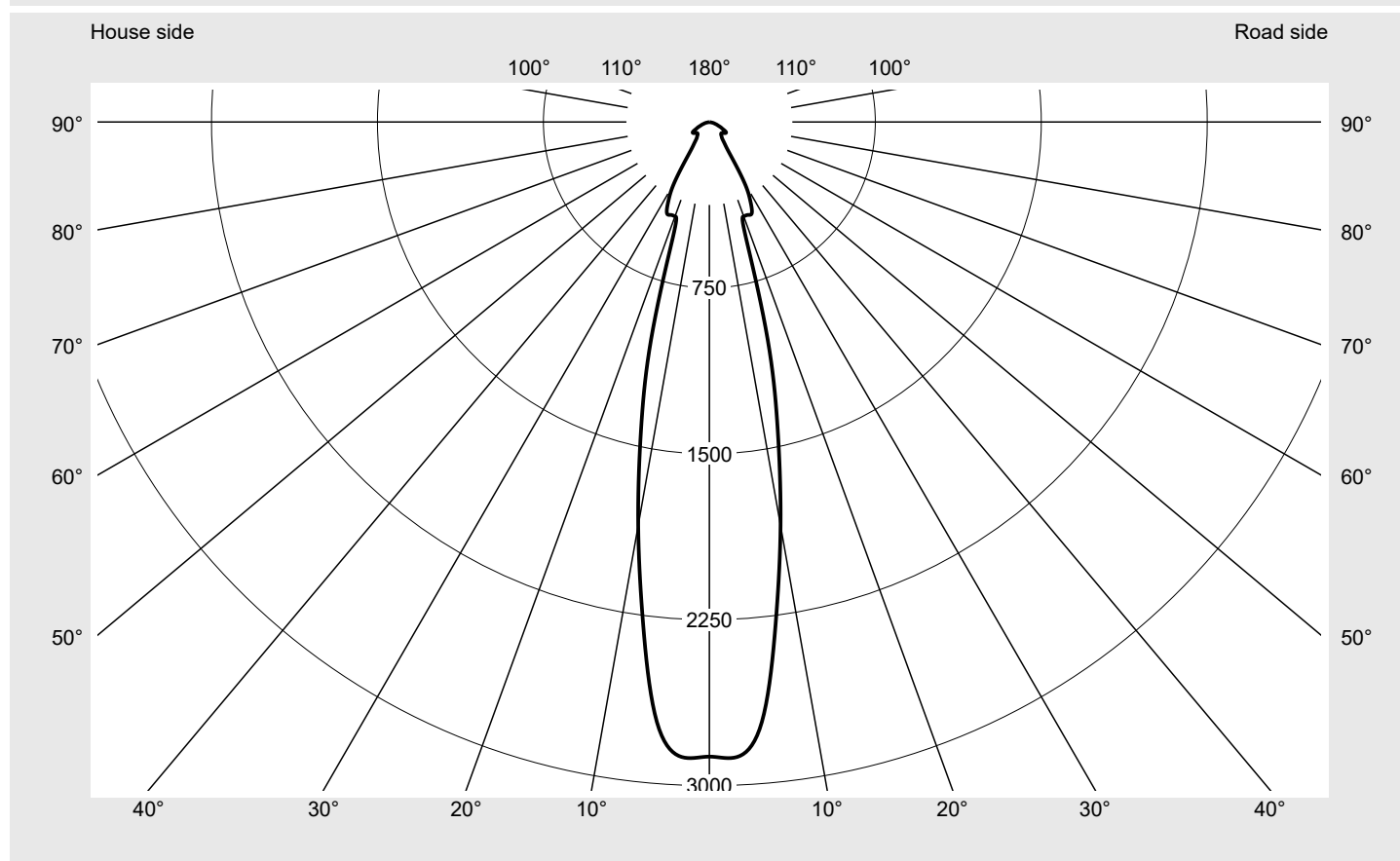
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 2200 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 22130 lm Power consumption = 208.1 W Luminous efficacy = 106.3 lm/W

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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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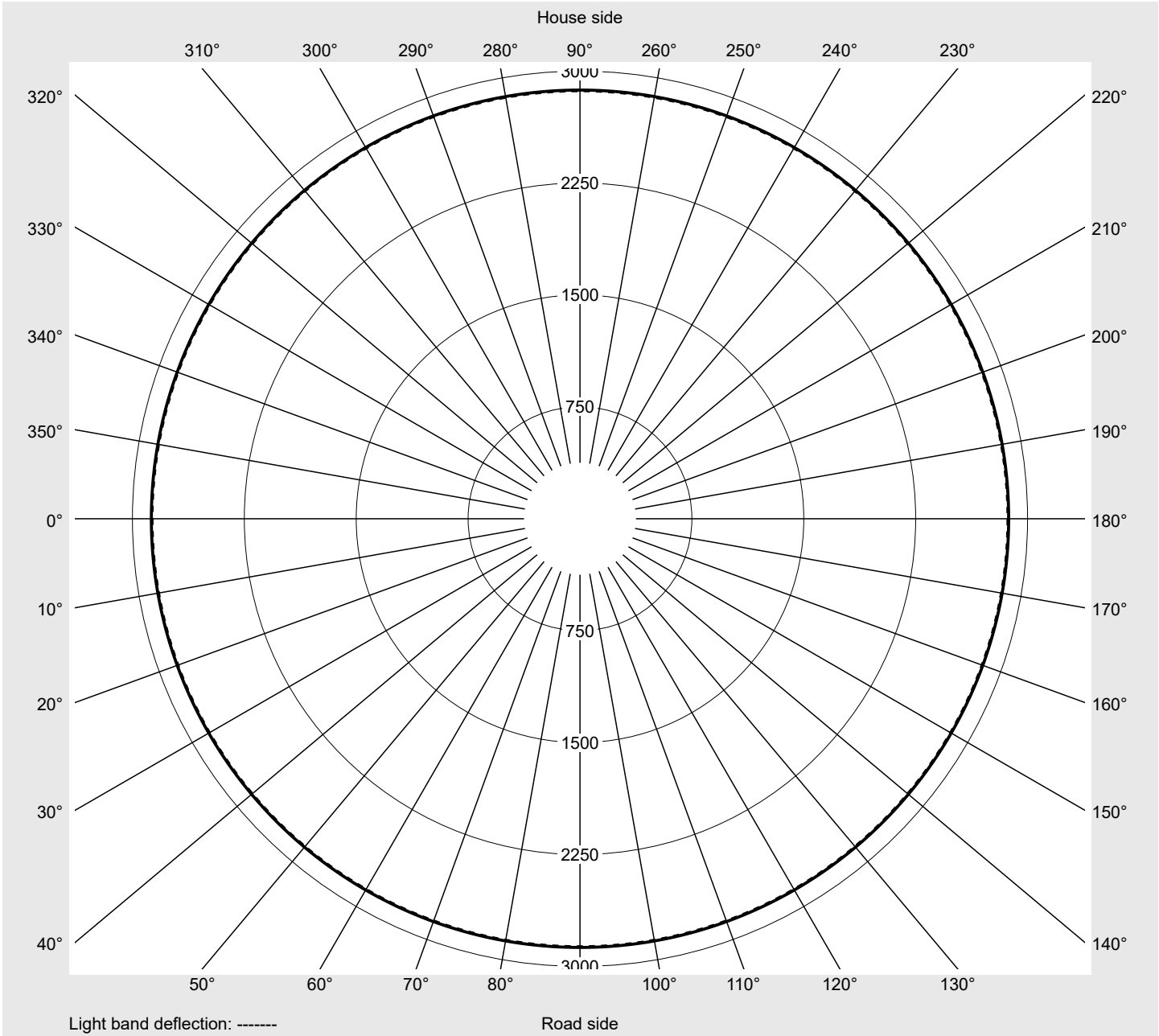
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Envelope curve in cd/klm

KMK 2,5°KMK 0°

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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	22130	208.1	227.1	217.6
95	241	252	20997	193.8	211.2	202.5
90	229	250	19952	181.2	197.5	189.4
85	216	248	18819	167.9	182.9	175.4
80	203	246	17687	155.2	168.9	162.0
75	190	243	16554	143.1	155.4	149.2
70	178	241	15508	132.2	143.6	137.9
65	165	238	14376	120.8	131.2	126.0
60	152	235	13243	110.0	119.2	114.6
55	140	232	12198	100.1	108.6	104.4
50	127	229	11065	89.9	97.4	93.6
45	114	225	9932	79.9	86.5	83.2
40	102	221	8887	70.8	76.8	73.8
35	89	216	7754	61.4	66.4	63.9
30	76	210	6622	52.2	56.4	54.3
25	63	203	5489	43.6	46.9	45.2
20	51	195	4443	35.9	38.5	37.2
15	38	184	3311	27.6	29.6	28.6
13	32	178	2788	23.9	25.5	24.7