

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7781E4B1A
EAN: 4058352852538

LP number
59238_83

serial
documentation
22.08.2023



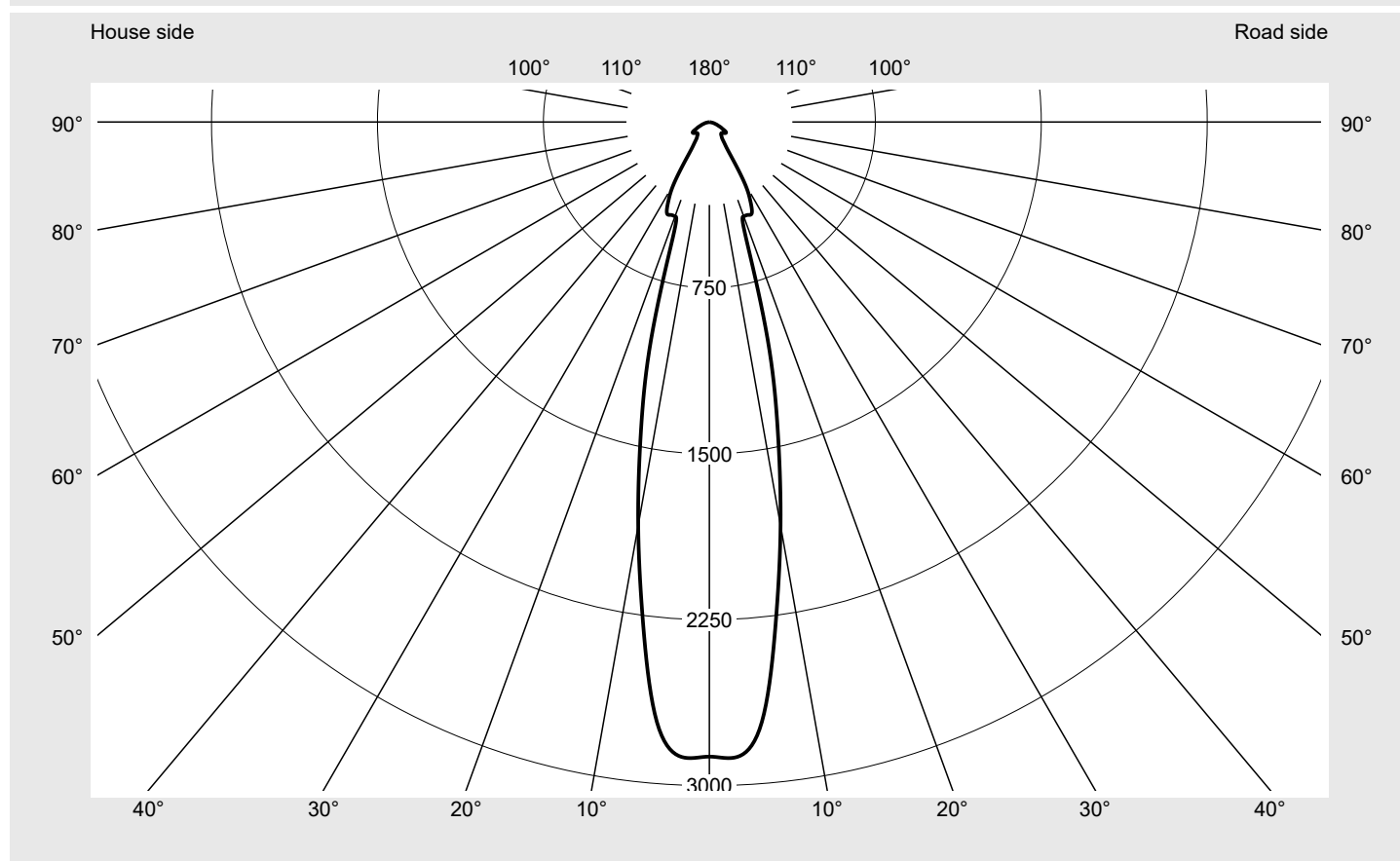
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 4000 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 27880 lm Power consumption = 208.1 W Luminous efficacy = 134 lm/W

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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

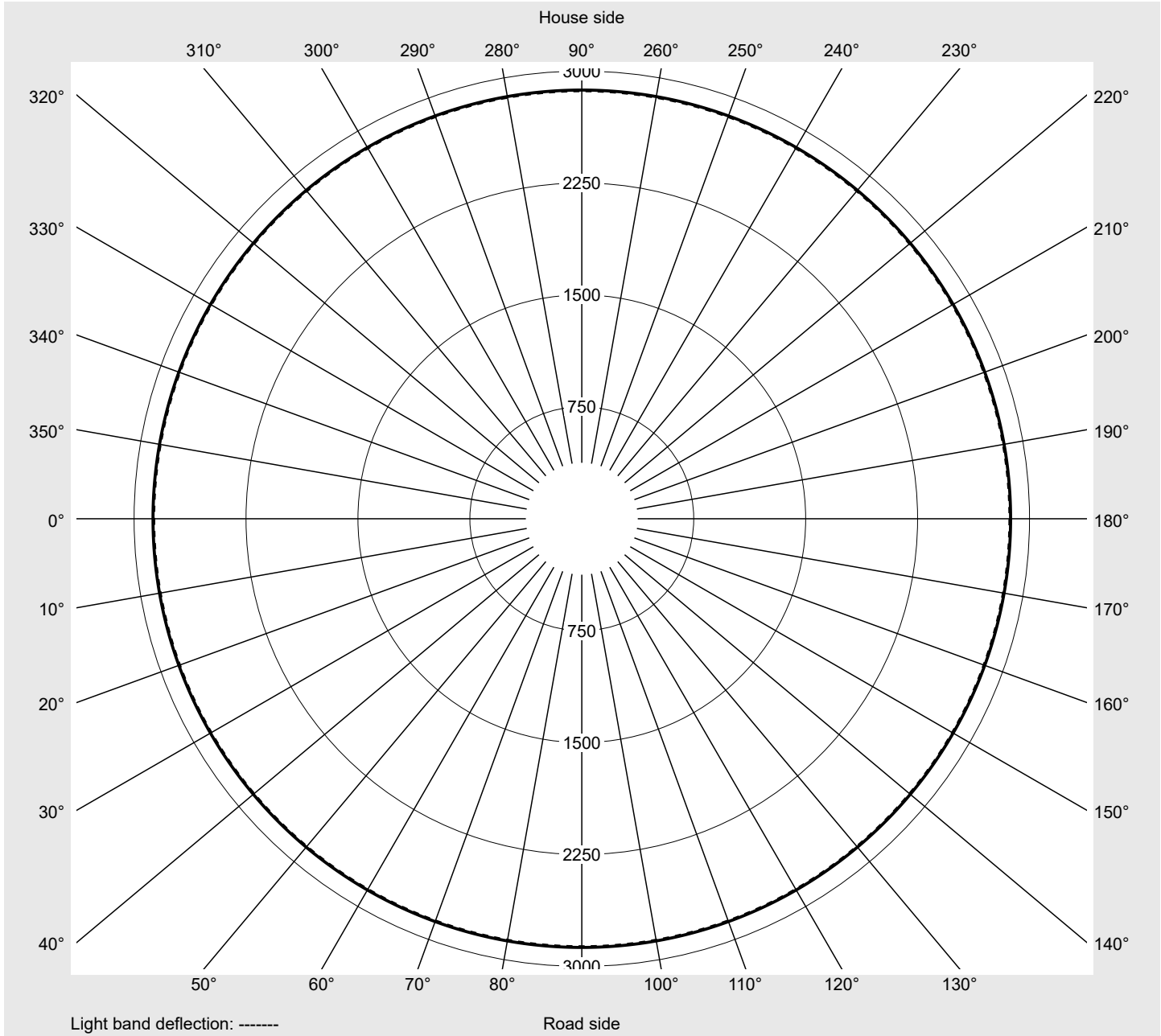
Luminous intensity class acc. to EN13201-2

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

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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
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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	27880	208.1	227.1	217.6
95	241	252	26453	193.9	211.3	202.6
90	229	250	25136	181.3	197.6	189.4
85	216	248	23709	168.1	183.1	175.6
80	203	246	22282	155.4	169.1	162.2
75	190	243	20855	143.4	155.7	149.6
70	178	241	19538	132.4	143.9	138.2
65	165	238	18111	121.2	131.5	126.4
60	152	235	16684	110.3	119.6	115.0
55	140	232	15367	100.4	109.0	104.7
50	127	229	13940	90.3	97.8	94.0
45	114	225	12513	80.2	86.9	83.6
40	102	221	11196	71.1	77.1	74.1
35	89	216	9769	61.7	66.7	64.2
30	76	210	8342	52.5	56.7	54.6
25	63	203	6915	43.8	47.1	45.4
20	51	195	5598	36.1	38.7	37.4
15	38	184	4171	27.8	29.7	28.8
13	32	178	3512	24.0	25.6	24.8