

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782E3B1A
EAN: 4058352853658

LP number
59238_86

serial
documentation
22.08.2023



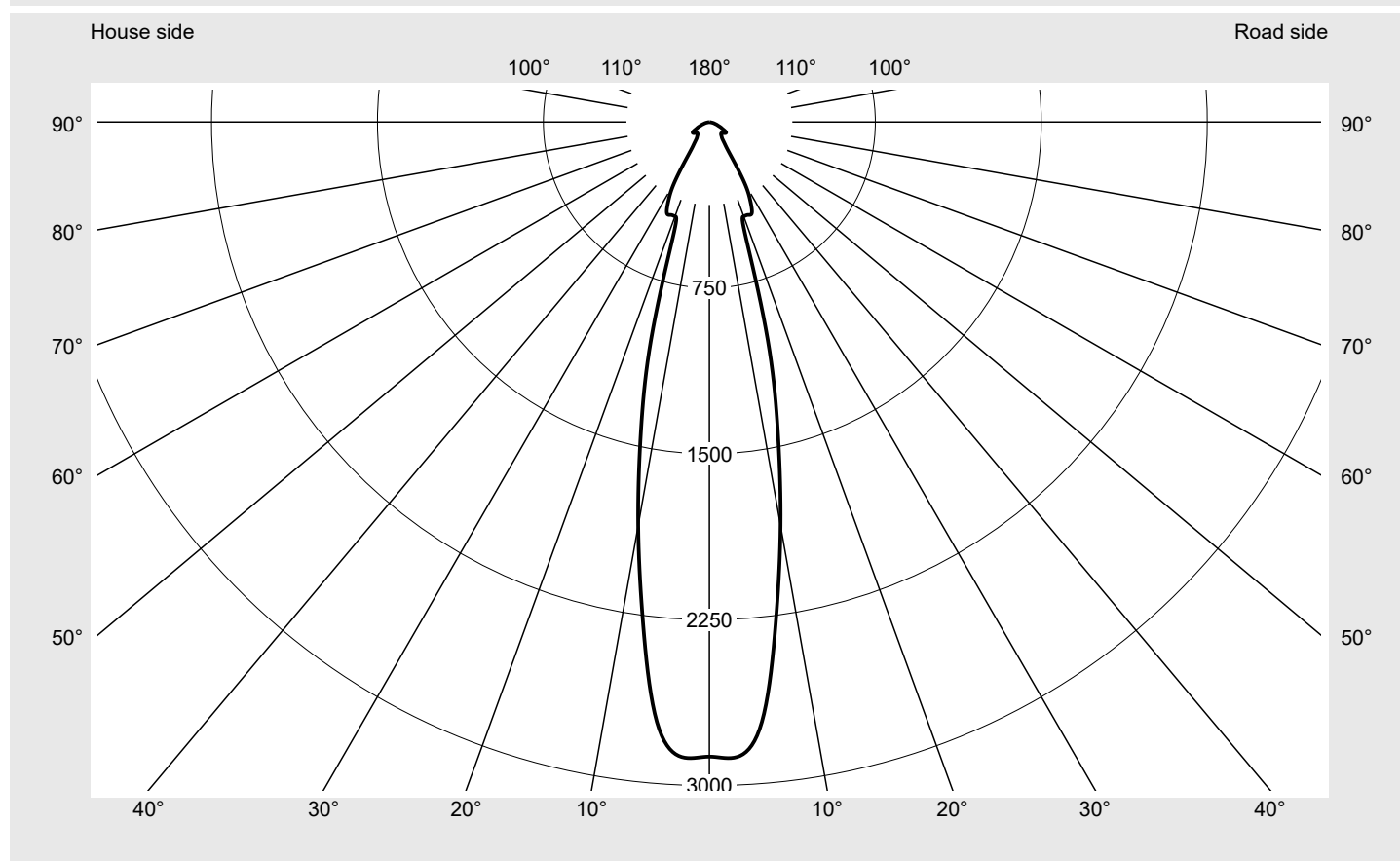
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 80
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 23000 lm Power consumption = 208.1 W Luminous efficacy = 110.5 lm/W

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Luminous intensity in cd/klm

C180-0

I_{max}: 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

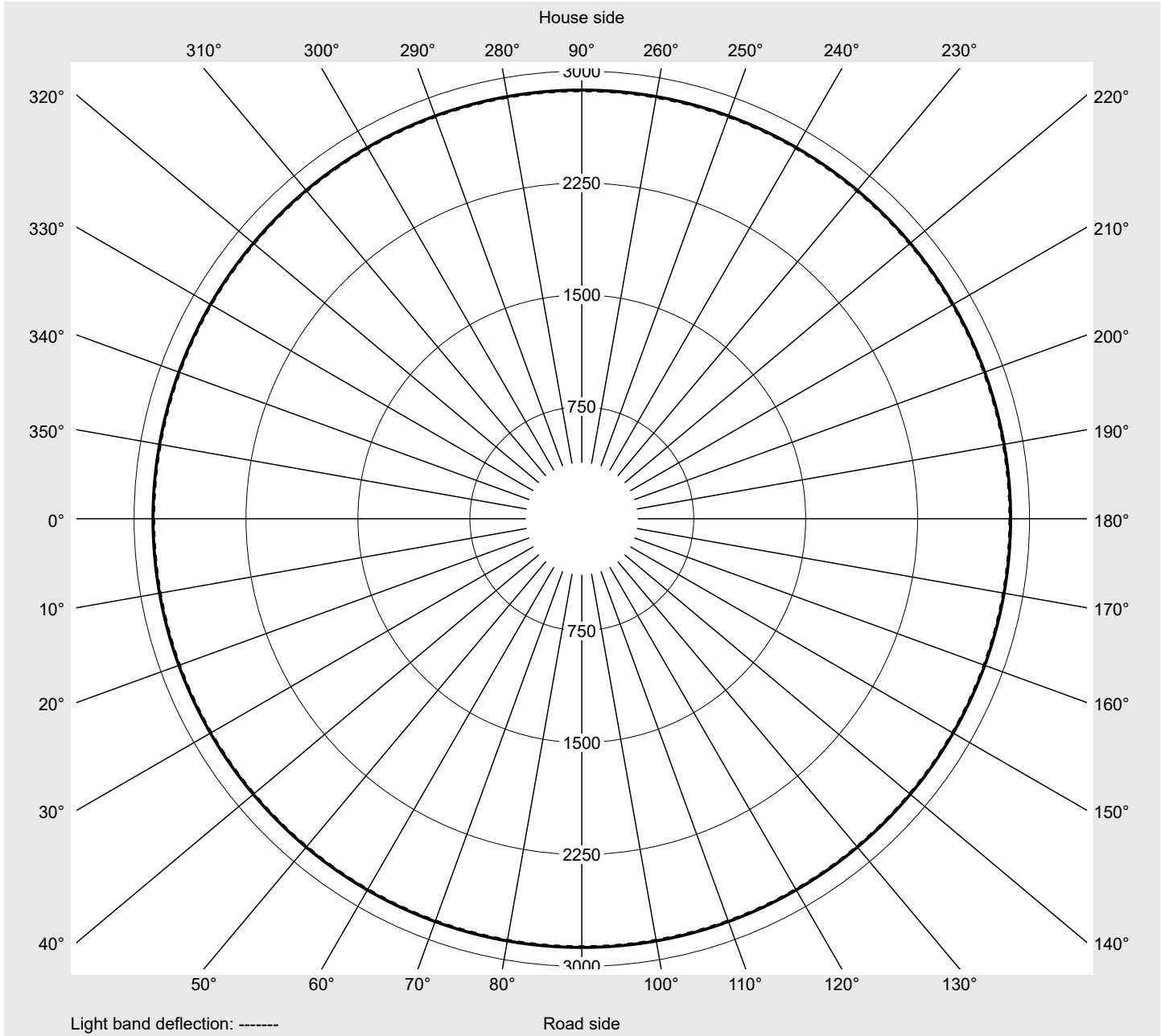
Luminous intensity class acc. to EN13201-2

Class:	G6
I _{max} 70°	36.4
I _{max} 80°	9.1
I _{max} 90°	0.0
I _{max} >90°	0.0
I _{max} >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

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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	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	23000	208.1	227.1	217.6
95	241	252	21823	193.9	211.3	202.6
90	229	250	20736	181.2	197.5	189.4
85	216	248	19559	167.9	182.9	175.4
80	203	246	18382	155.2	168.9	162.0
75	190	243	17205	143.1	155.5	149.3
70	178	241	16118	132.2	143.7	138.0
65	165	238	14941	120.9	131.2	126.0
60	152	235	13764	110.0	119.3	114.6
55	140	232	12677	100.2	108.7	104.4
50	127	229	11500	90.0	97.4	93.7
45	114	225	10323	79.9	86.6	83.2
40	102	221	9236	70.8	76.8	73.8
35	89	216	8059	61.4	66.4	63.9
30	76	210	6882	52.3	56.4	54.4
25	63	203	5705	43.7	46.9	45.3
20	51	195	4618	35.9	38.5	37.2
15	38	184	3441	27.6	29.6	28.6
13	32	178	2898	23.9	25.5	24.7