

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7781F4B1A
EAN: 4058352853047

LP number
59238_91

serial
documentation
22.08.2023



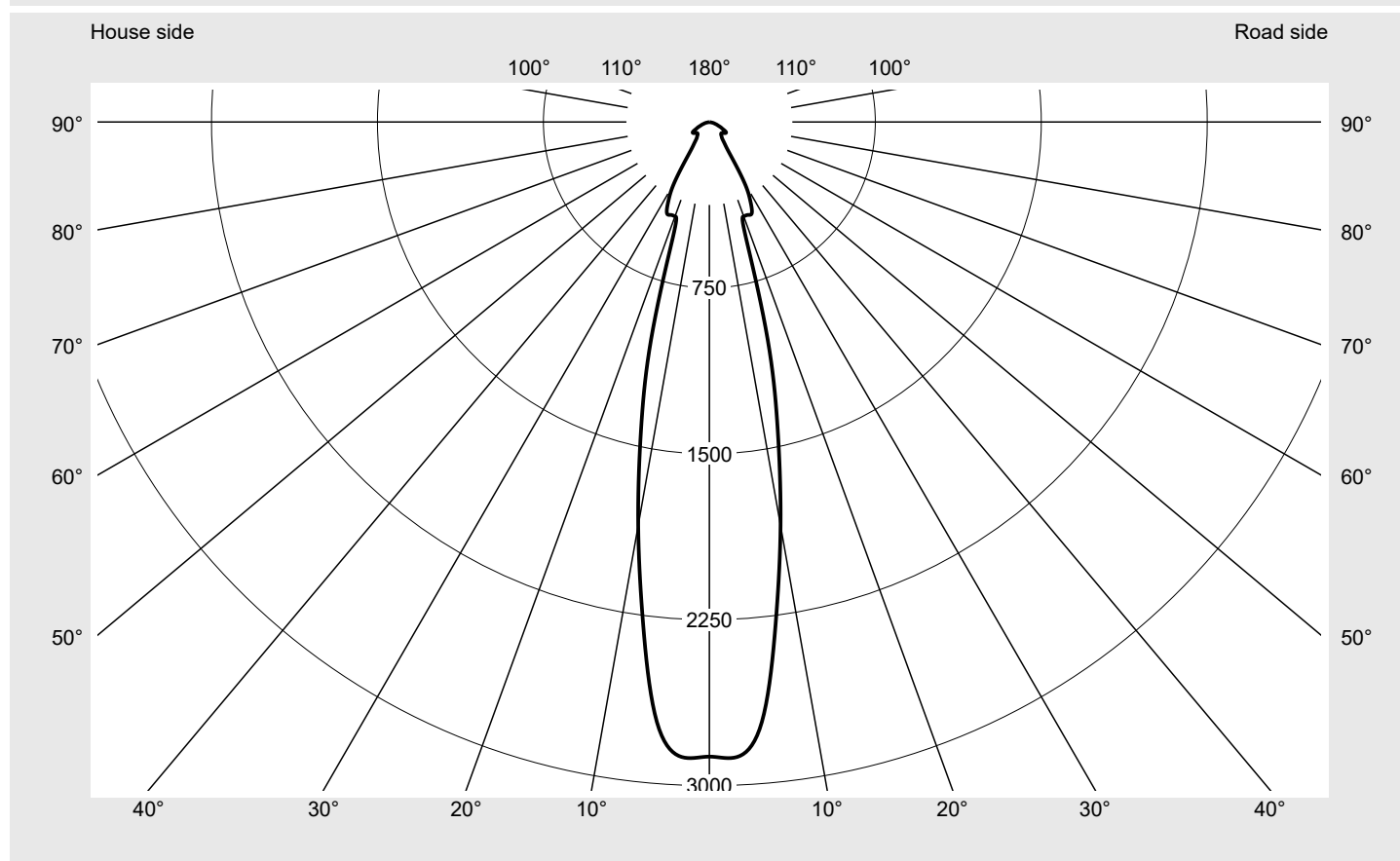
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 4000 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 37160 lm Power consumption = 270.2 W Luminous efficacy = 137.5 lm/W

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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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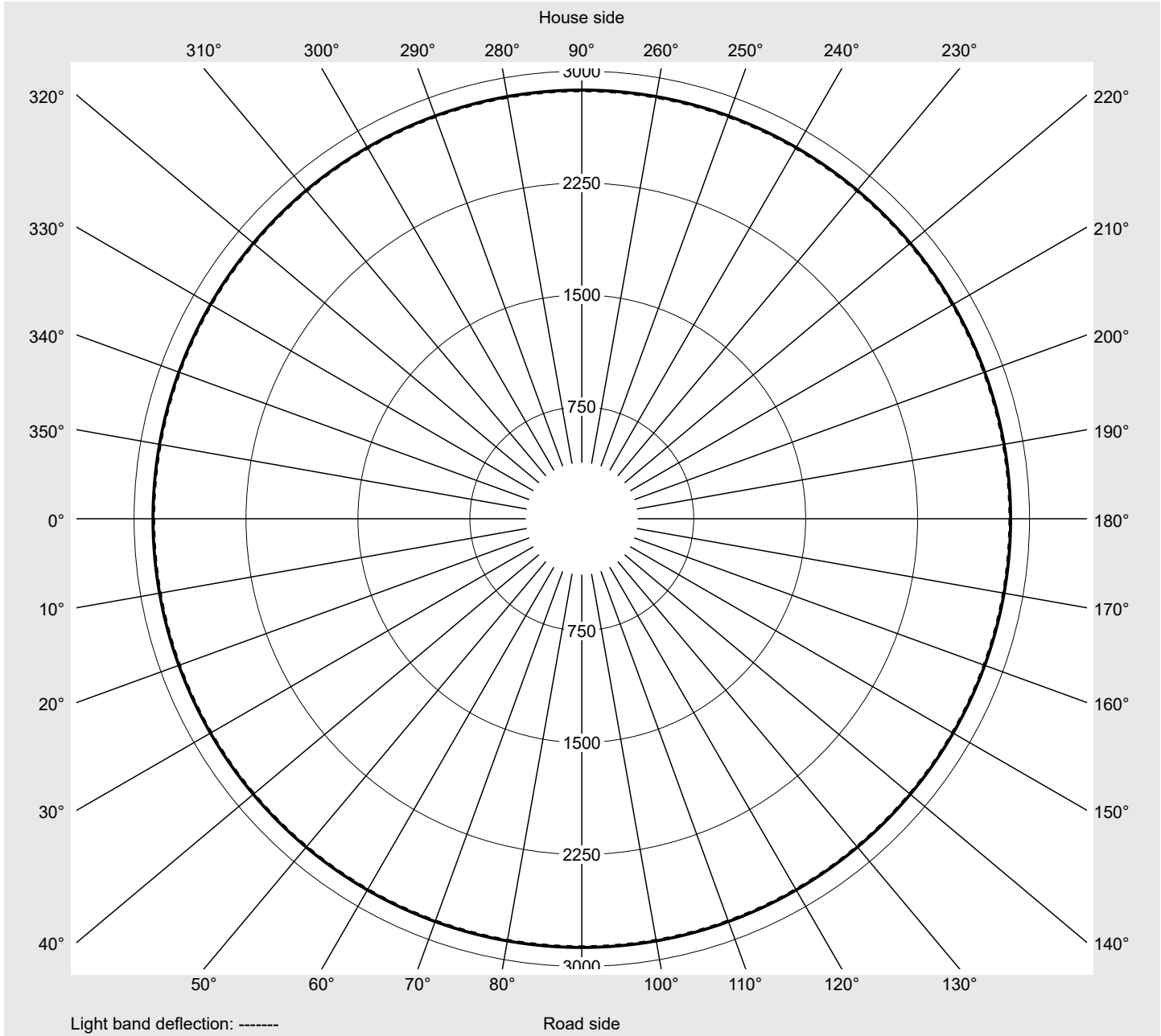
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Envelope curve in cd/klm

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	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	37160	270.2	286.6	278.4
95	241	252	35258	251.7	266.8	259.2
90	229	250	33503	235.4	249.4	242.4
85	216	248	31601	218.4	231.3	224.8
80	203	246	29699	202.1	214.0	208.0
75	190	243	27797	186.5	197.3	191.9
70	178	241	26041	172.6	182.5	177.6
65	165	238	24139	158.0	167.0	162.5
60	152	235	22237	143.8	152.0	147.9
55	140	232	20482	131.2	138.6	134.9
50	127	229	18580	117.7	124.4	121.0
45	114	225	16678	104.5	110.6	107.6
40	102	221	14923	92.7	97.9	95.3
35	89	216	13021	80.2	84.6	82.4
30	76	210	11119	68.1	71.8	69.9
25	63	203	9217	56.4	59.4	57.9
20	51	195	7461	45.9	48.3	47.1
15	38	184	5559	34.9	36.6	35.8
12	31	177	4535	29.0	30.4	29.7