

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782F2B1A
EAN: 4058352854334

LP number
59238_93

serial
documentation
22.08.2023



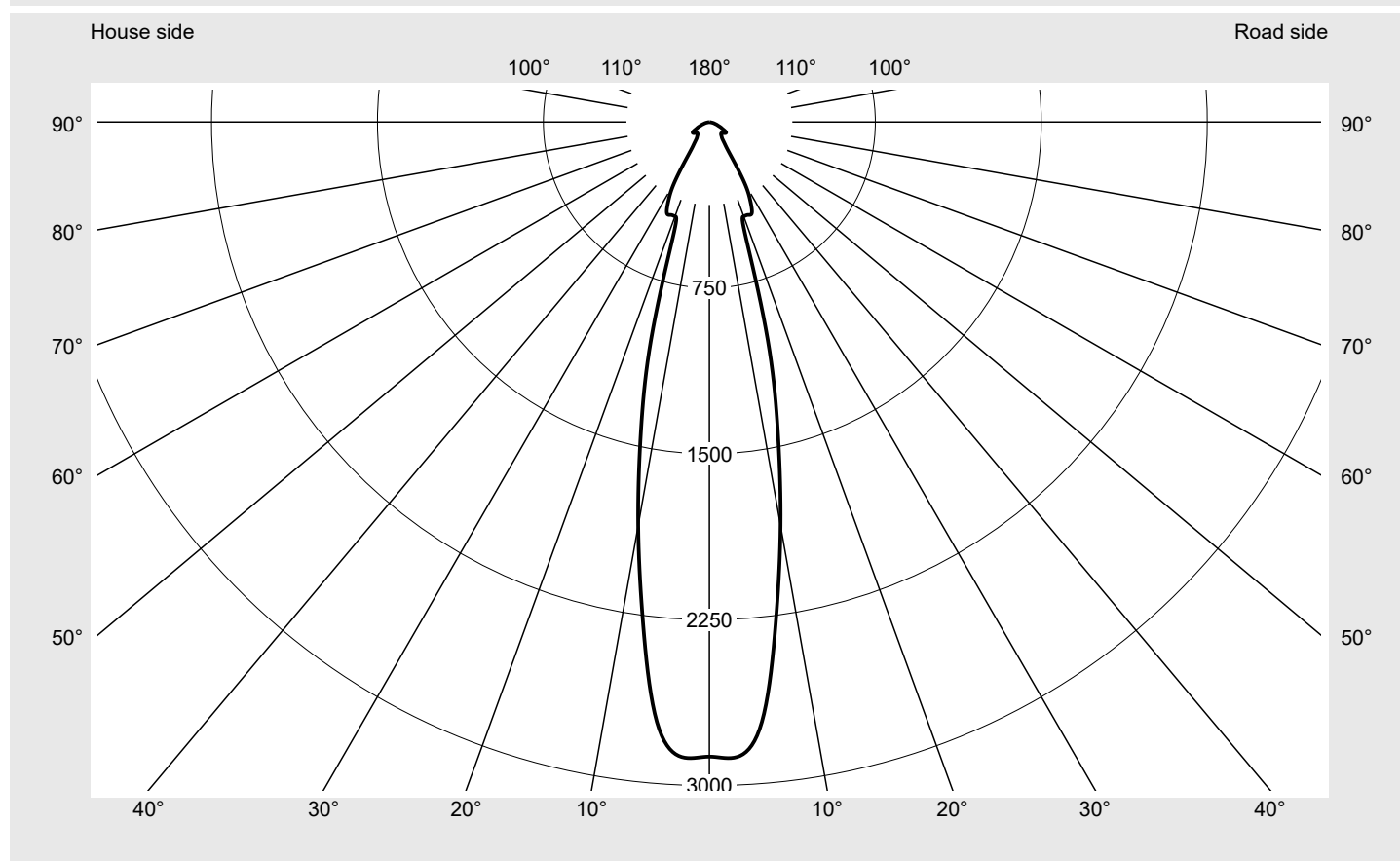
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 35590 lm Power consumption = 270.2 W Luminous efficacy = 131.7 lm/W

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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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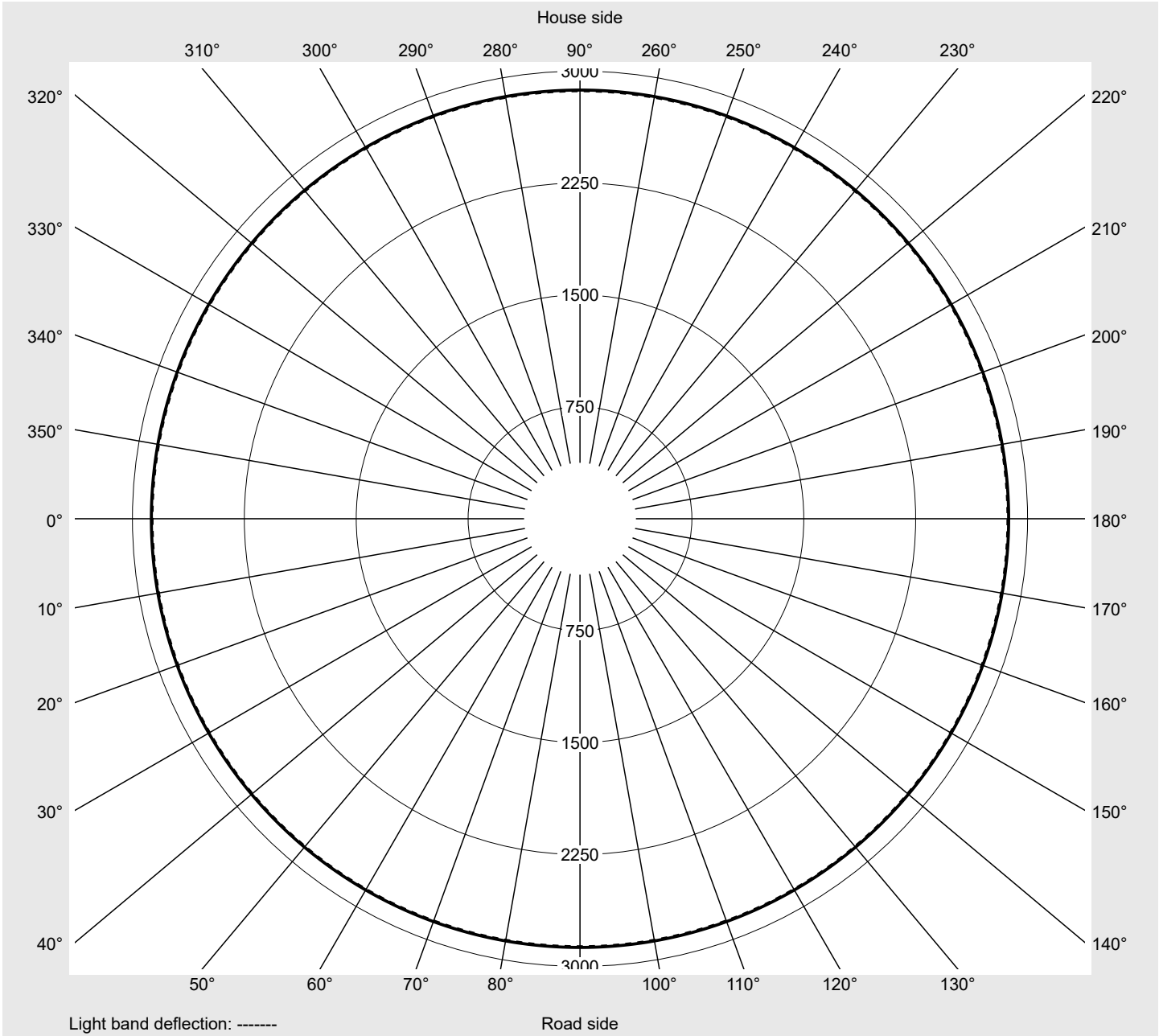
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Envelope curve in cd/klm

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	35590	270.2	286.6	278.4
95	241	252	33768	251.6	266.7	259.2
90	229	250	32087	235.3	249.2	242.2
85	216	248	30266	218.2	231.1	224.6
80	203	246	28444	201.9	213.7	207.8
75	190	243	26622	186.3	197.0	191.6
70	178	241	24941	172.3	182.2	177.2
65	165	238	23119	157.7	166.7	162.2
60	152	235	21298	143.6	151.7	147.6
55	140	232	19617	130.9	138.3	134.6
50	127	229	17795	117.4	124.1	120.8
45	114	225	15973	104.2	110.3	107.2
40	102	221	14292	92.4	97.6	95.0
35	89	216	12471	80.0	84.4	82.2
30	76	210	10649	67.9	71.6	69.8
25	63	203	8827	56.2	59.2	57.7
20	51	195	7146	45.8	48.1	47.0
15	38	184	5324	34.7	36.5	35.6
12	31	177	4344	28.8	30.3	29.6