

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7781F6B1A
EAN: 4058352853214

LP number
59238_97

serial
documentation
22.08.2023



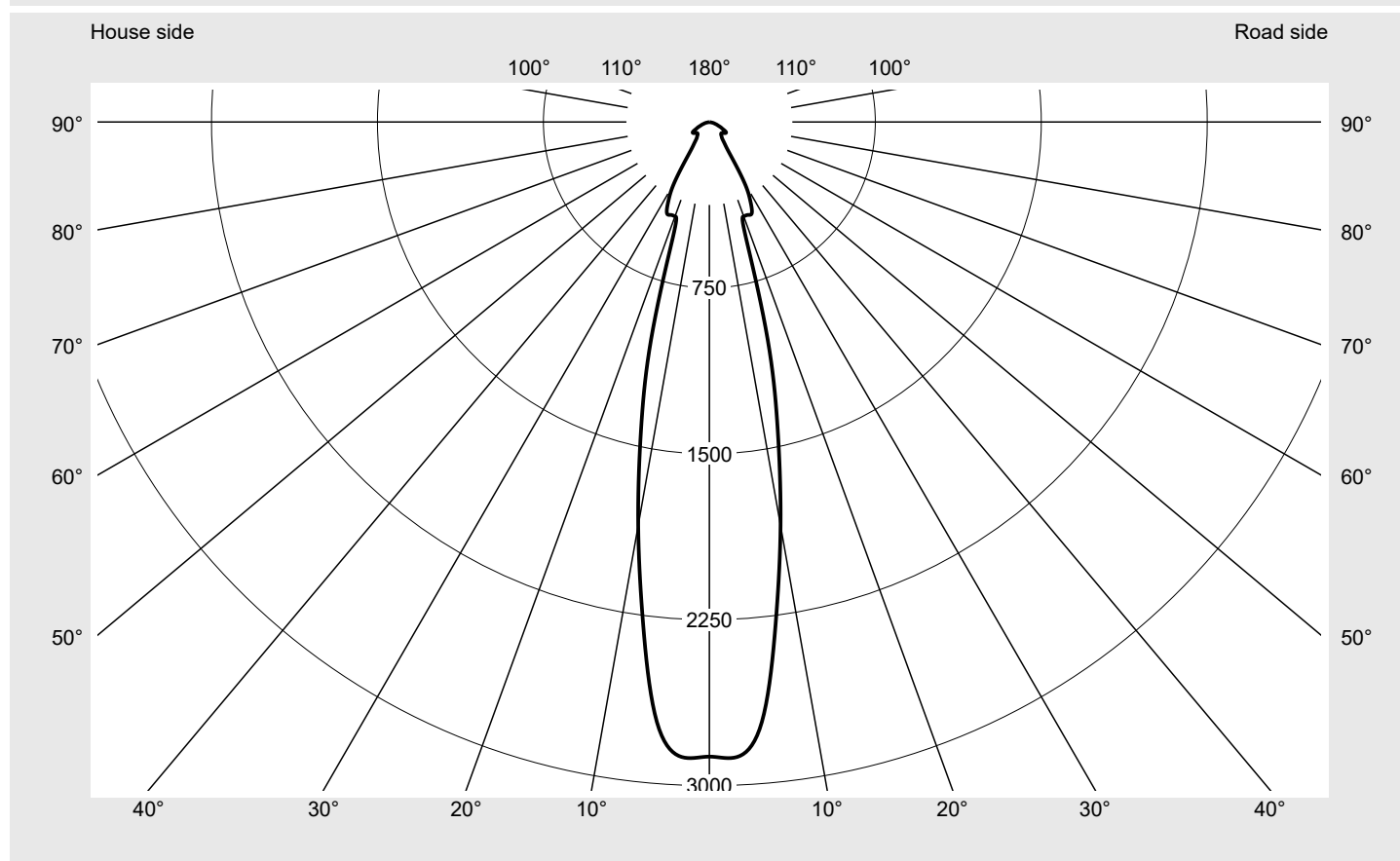
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 5700 K CRI ≥ 90
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 28520 lm Power consumption = 270.2 W Luminous efficacy = 105.6 lm/W

siteco

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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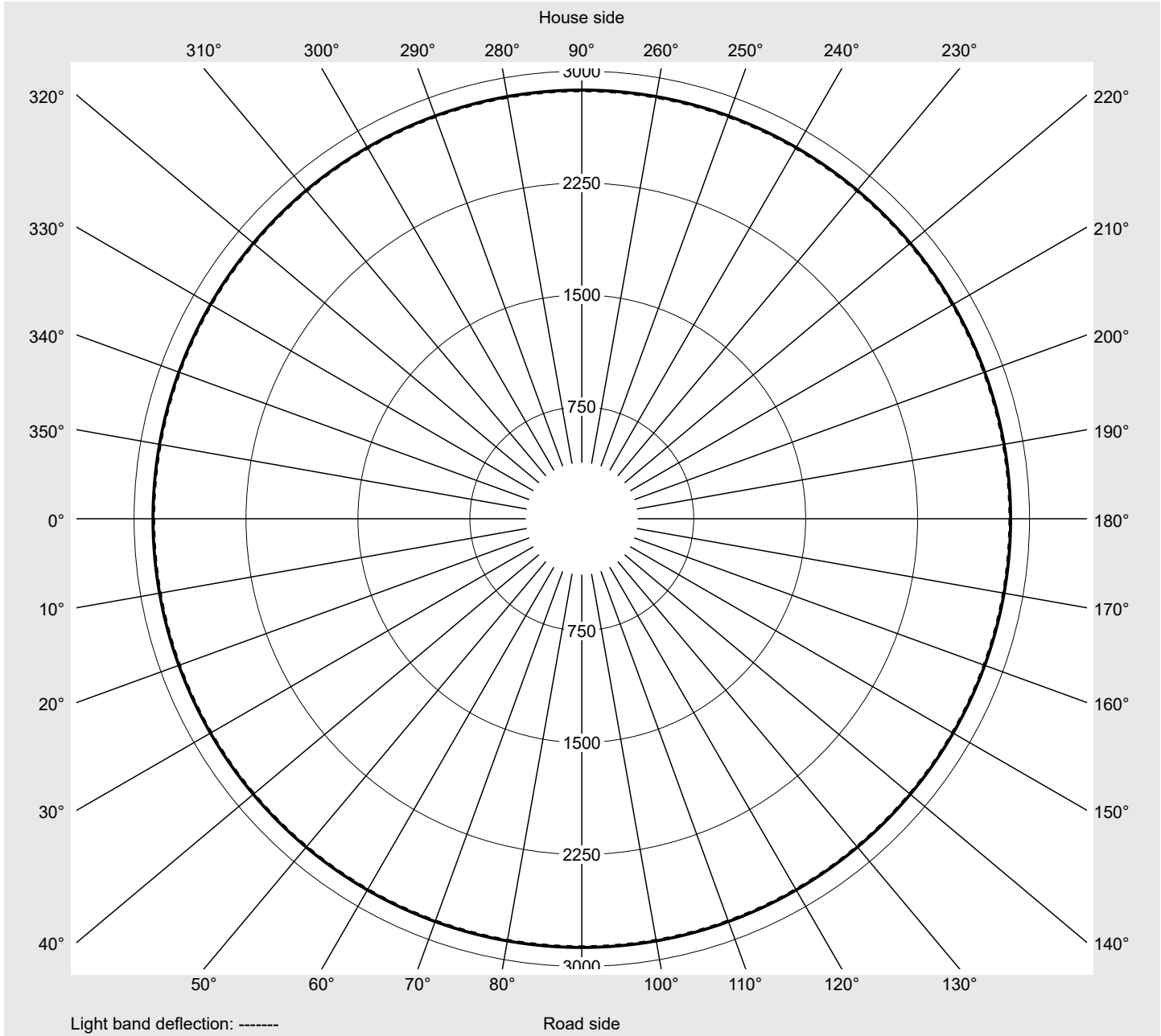
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Envelope curve in cd/klm

KMK 2,5°KMK 0°

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Table of values for luminous intensities Maximum luminous intensity		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	28520	270.2	286.6	278.4
95	241	252	27060	251.6	266.7	259.2
90	229	250	25713	235.2	249.2	242.2
85	216	248	24253	218.2	231.0	224.6
80	203	246	22794	201.9	213.7	207.8
75	190	243	21334	186.2	197.0	191.6
70	178	241	19986	172.3	182.2	177.2
65	165	238	18527	157.6	166.7	162.1
60	152	235	17067	143.5	151.6	147.6
55	140	232	15720	130.8	138.3	134.6
50	127	229	14260	117.4	124.0	120.7
45	114	225	12800	104.1	110.3	107.2
40	102	221	11453	92.4	97.5	95.0
35	89	216	9993	79.9	84.3	82.1
30	76	210	8534	67.8	71.5	69.6
25	63	203	7074	56.2	59.2	57.7
20	51	195	5726	45.7	48.1	46.9
15	38	184	4267	34.7	36.5	35.6
12	31	177	3481	28.8	30.2	29.5