

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7781E2B1A
EAN: 4058352852316

LP number
59238_82

serial
documentation
22.08.2023



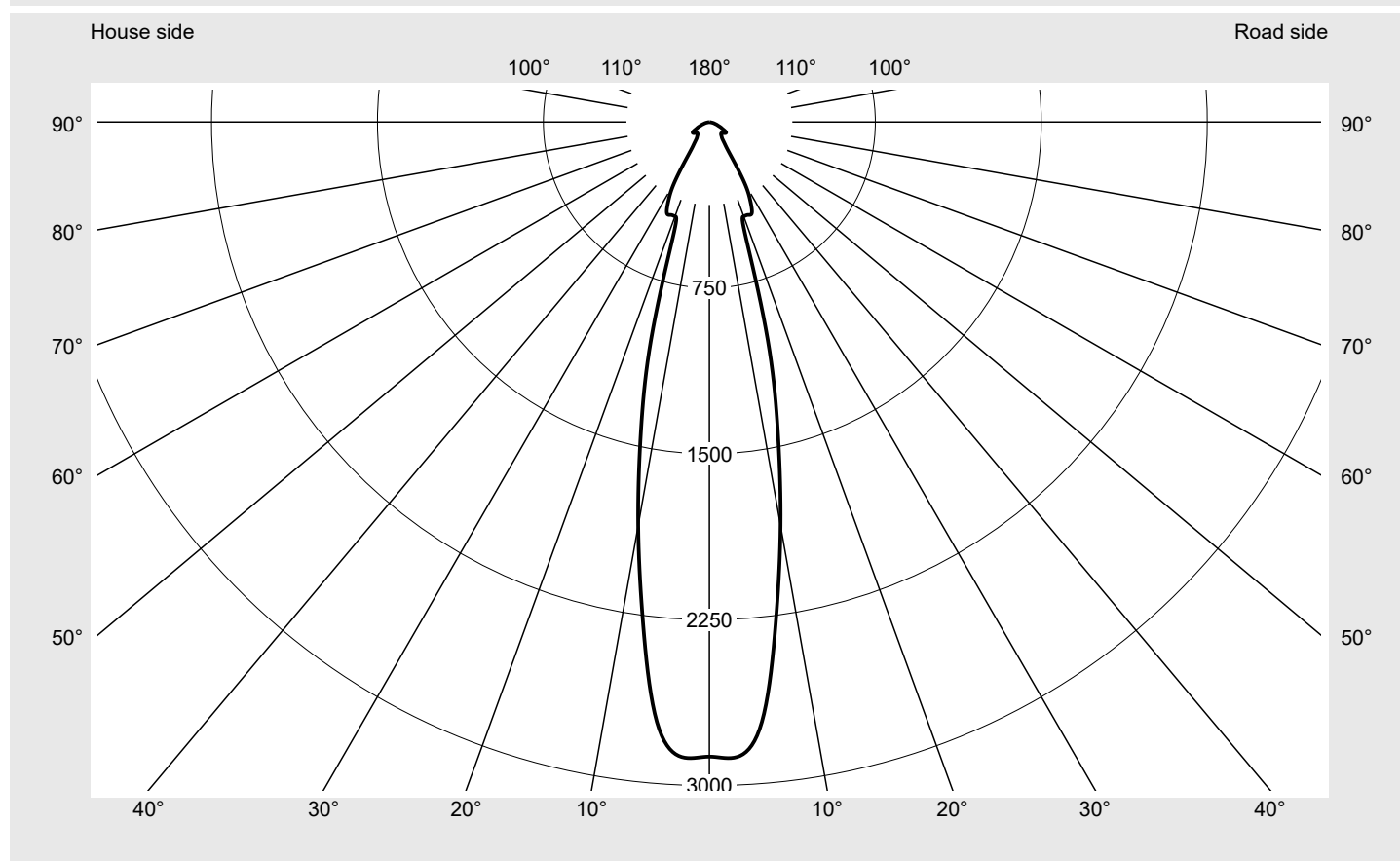
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 26730 lm Power consumption = 208.1 W Luminous efficacy = 128.4 lm/W

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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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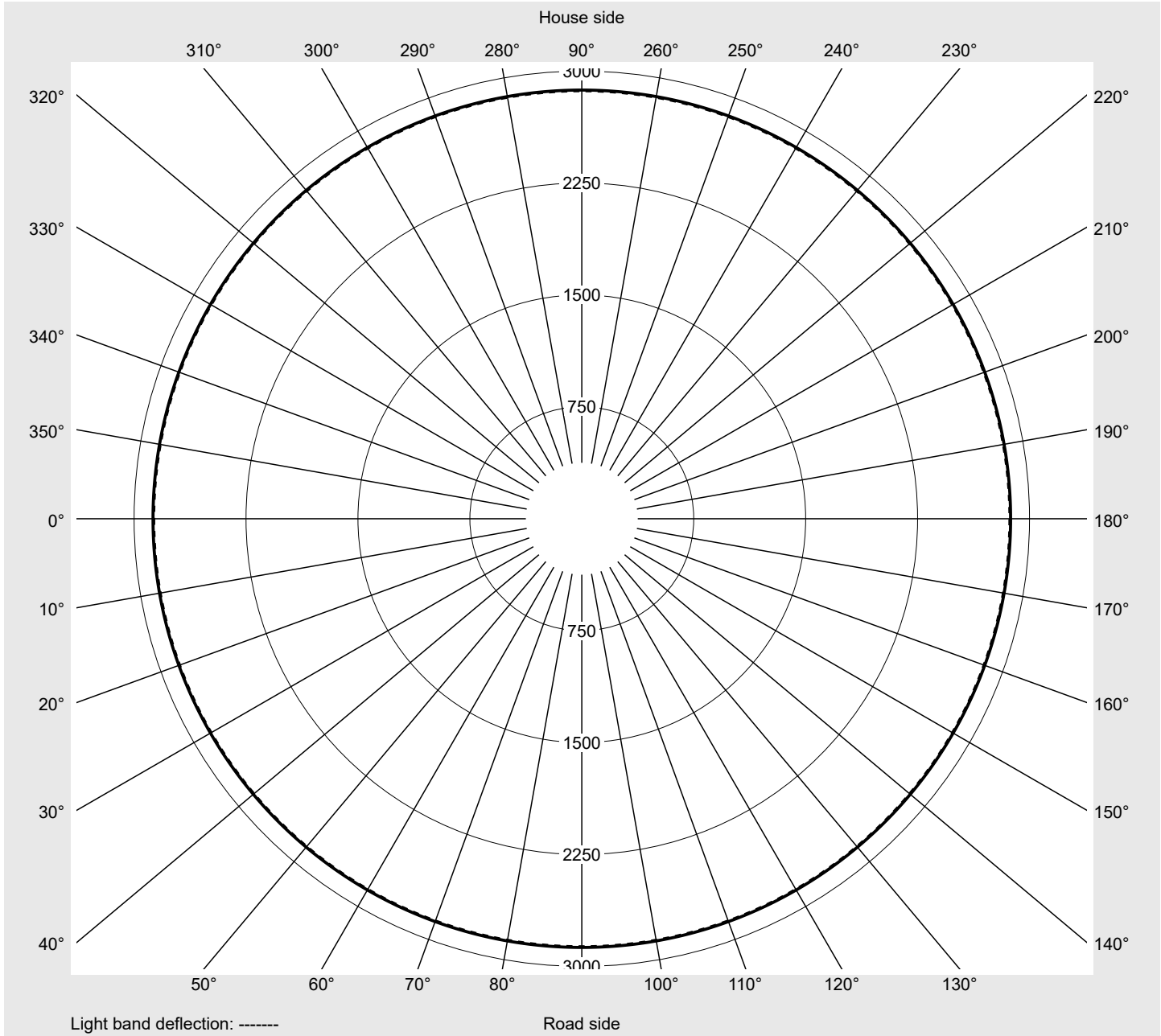
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Envelope curve in cd/klm

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	26730	208.1	227.1	217.6
95	241	252	25362	193.9	211.3	202.6
90	229	250	24099	181.2	197.5	189.4
85	216	248	22731	168.0	183.0	175.5
80	203	246	21363	155.3	169.0	162.2
75	190	243	19995	143.2	155.6	149.4
70	178	241	18732	132.3	143.8	138.0
65	165	238	17364	121.0	131.3	126.2
60	152	235	15996	110.1	119.4	114.8
55	140	232	14733	100.3	108.8	104.6
50	127	229	13365	90.1	97.6	93.8
45	114	225	11997	80.0	86.7	83.4
40	102	221	10734	70.9	76.9	73.9
35	89	216	9366	61.5	66.5	64.0
30	76	210	7998	52.4	56.5	54.4
25	63	203	6630	43.7	47.0	45.4
20	51	195	5367	36.0	38.6	37.3
15	38	184	3999	27.7	29.6	28.6
13	32	178	3368	24.0	25.5	24.8