

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782E5B1A
EAN: 4058352854037

LP number
59238_88

serial
documentation
22.08.2023



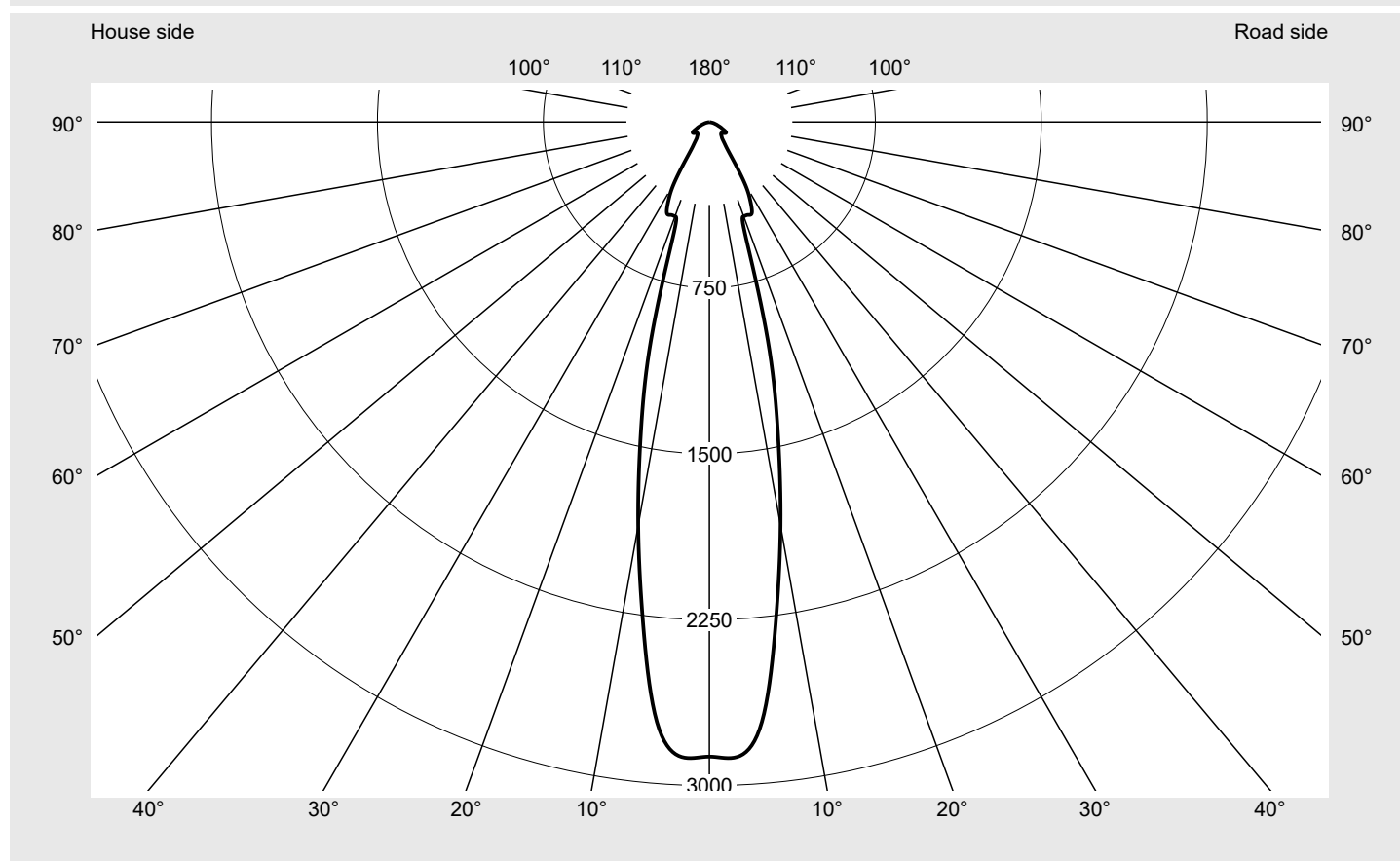
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 4000 K CRI ≥ 80
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 24940 lm Power consumption = 208.1 W Luminous efficacy = 119.8 lm/W

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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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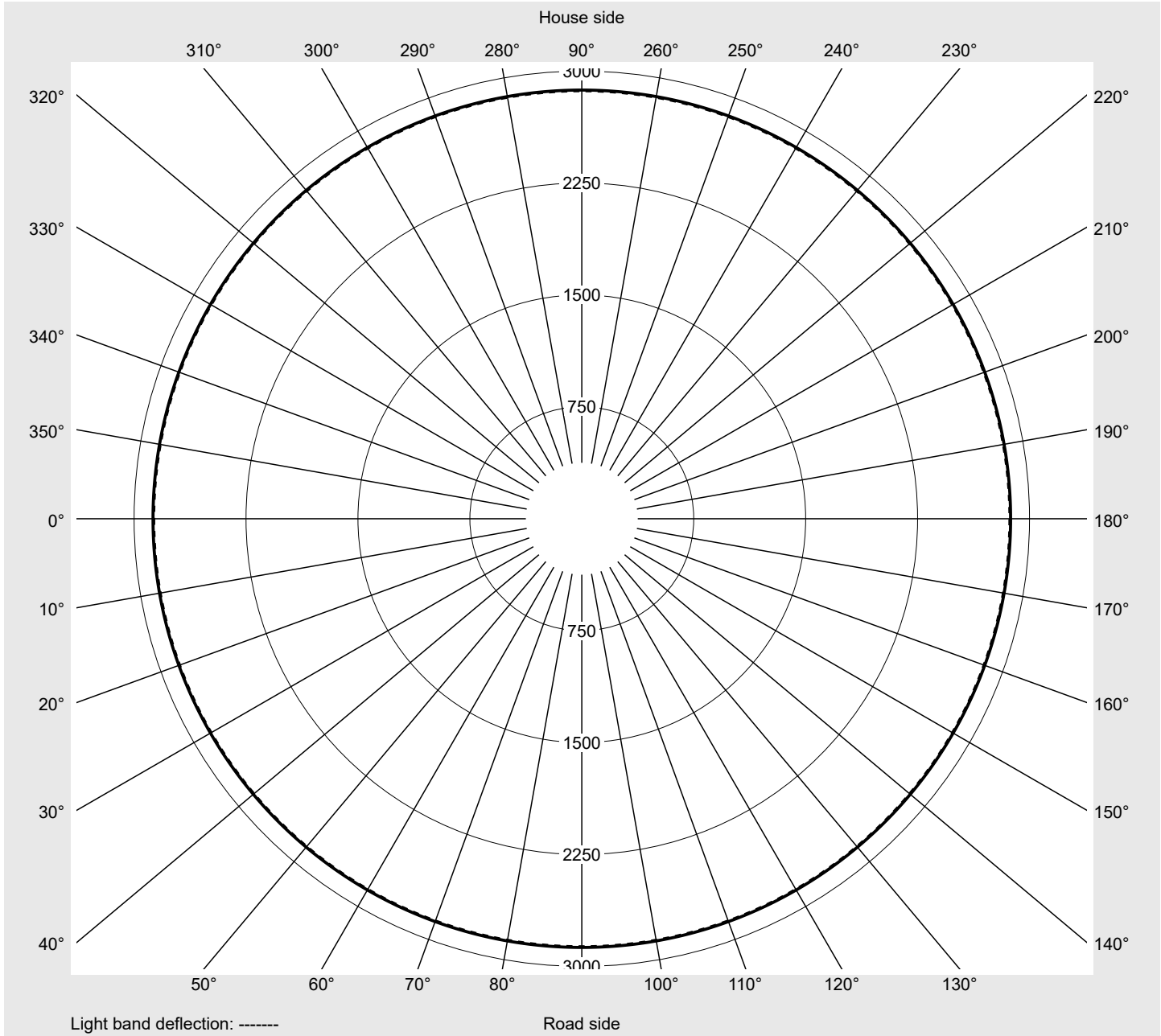
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Envelope curve in cd/klm

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	24940	208.1	227.1	217.6
95	241	252	23664	193.9	211.3	202.6
90	229	250	22485	181.2	197.5	189.4
85	216	248	21209	168.0	183.0	175.5
80	203	246	19932	155.3	169.0	162.2
75	190	243	18656	143.2	155.6	149.4
70	178	241	17478	132.3	143.8	138.0
65	165	238	16201	121.0	131.4	126.2
60	152	235	14925	110.1	119.4	114.8
55	140	232	13746	100.3	108.8	104.6
50	127	229	12470	90.1	97.6	93.8
45	114	225	11194	80.1	86.7	83.4
40	102	221	10015	71.0	76.9	74.0
35	89	216	8739	61.5	66.5	64.0
30	76	210	7462	52.4	56.5	54.4
25	63	203	6186	43.7	47.0	45.4
20	51	195	5008	36.0	38.6	37.3
15	38	184	3731	27.7	29.6	28.6
13	32	178	3142	24.0	25.5	24.8