

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782F3B1A
EAN: 4058352854525

LP number
59238_94

serial
documentation
22.08.2023



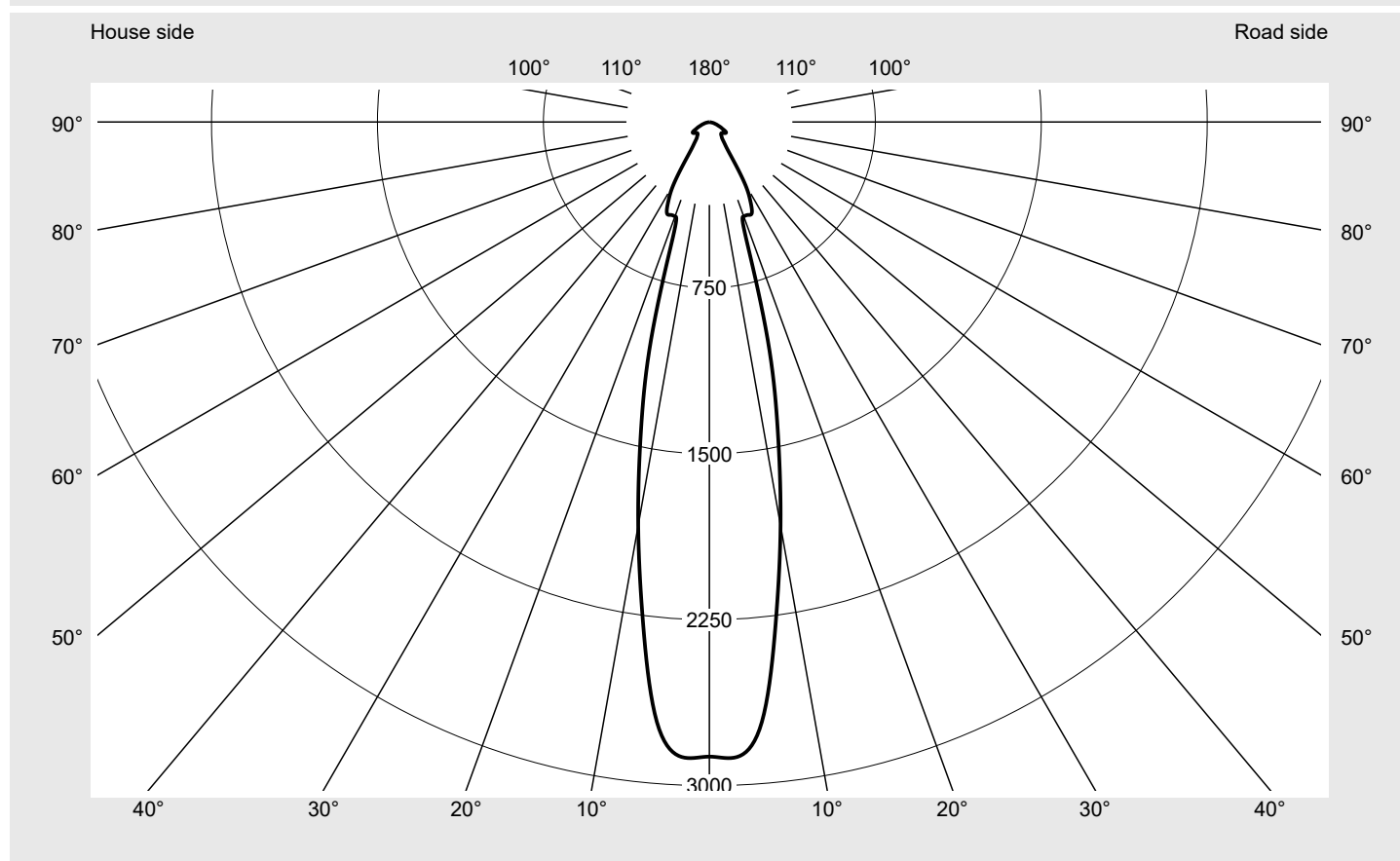
Version	mounting bracket
Optic	direct, symmetric ellipsoid distribution R120004
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 80
Controlgear	ECG SITECO iQ
Rated values	Net luminous flux = 30610 lm Power consumption = 270.2 W Luminous efficacy = 113.3 lm/W

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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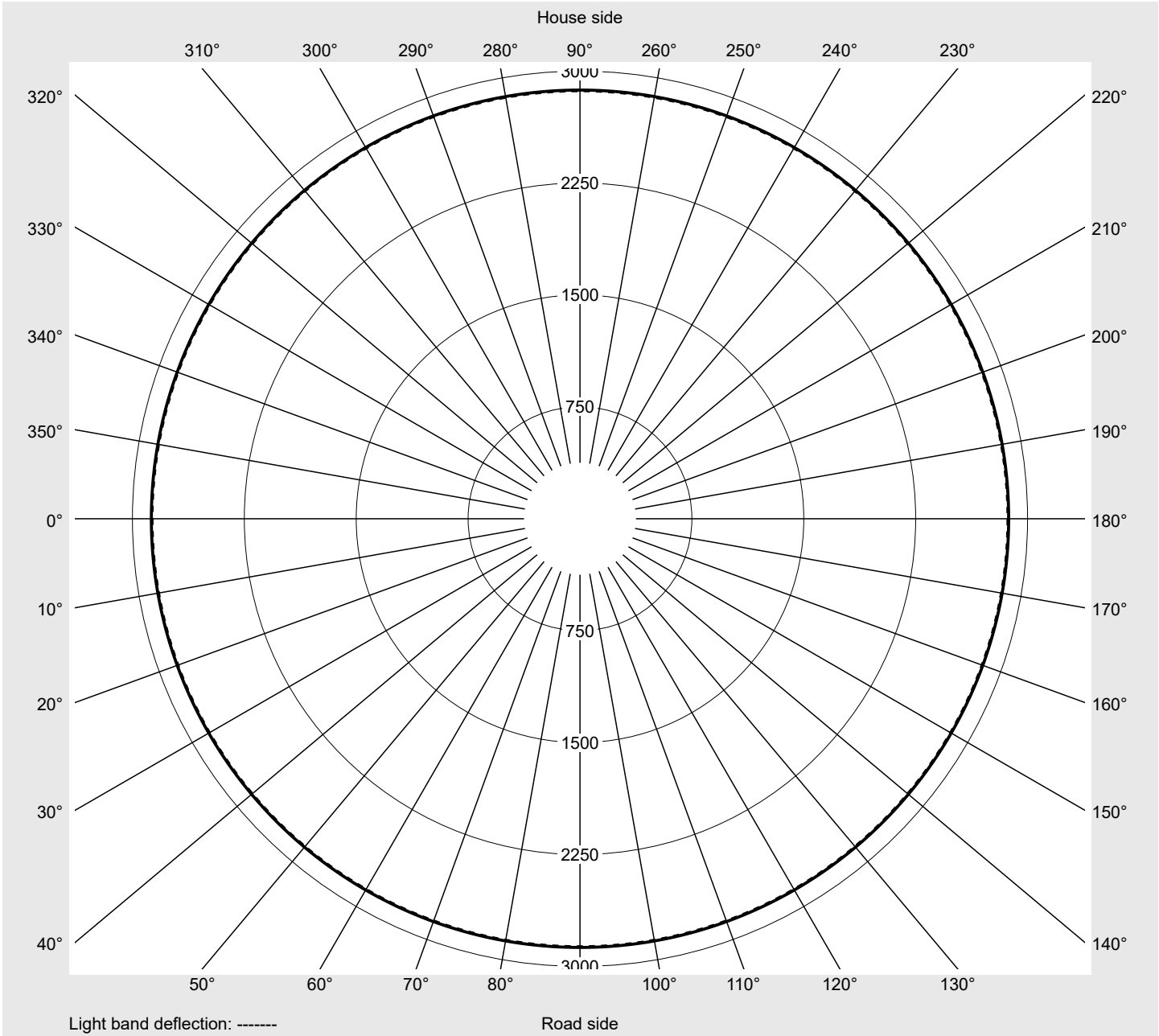
Envelope curve in cd/klm

KMK 2,5°

KMK 0°

sit

eco



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Table of values for luminous intensities		Maximum luminous intensity sit eco

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		

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	30610	270.2	286.6	278.4
95	241	252	29043	251.6	266.7	259.2
90	229	250	27597	235.2	249.2	242.2
85	216	248	26031	218.1	231.0	224.6
80	203	246	24464	201.8	213.6	207.7
75	190	243	22897	186.1	196.8	191.4
70	178	241	21451	172.2	182.1	177.1
65	165	238	19884	157.5	166.6	162.0
60	152	235	18318	143.4	151.5	147.4
55	140	232	16872	130.7	138.1	134.4
50	127	229	15305	117.3	123.9	120.6
45	114	225	13738	104.0	110.1	107.0
40	102	221	12292	92.3	97.4	94.8
35	89	216	10726	79.8	84.2	82.0
30	76	210	9159	67.7	71.4	69.6
25	63	203	7592	56.1	59.1	57.6
20	51	195	6146	45.7	48.0	46.8
15	38	184	4579	34.7	36.4	35.6
12	31	177	3736	28.8	30.2	29.5