

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7782F5B1A
EAN: 4058352854884

LP number
59238_96



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 = 33220 lm Power consumption = 270.2 W Luminous efficacy = 122.9 lm/W

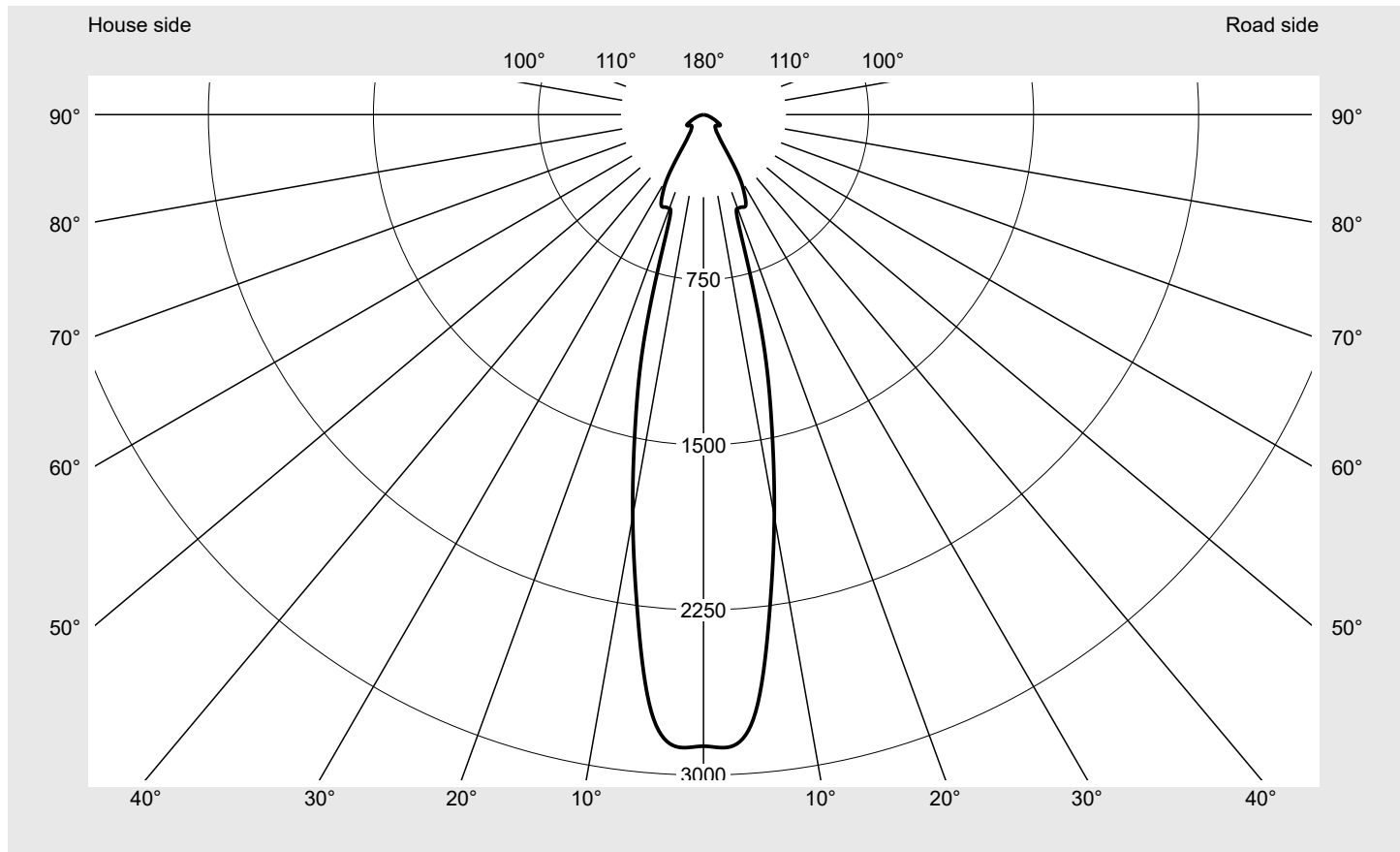
serial
documentation
22.08.2023

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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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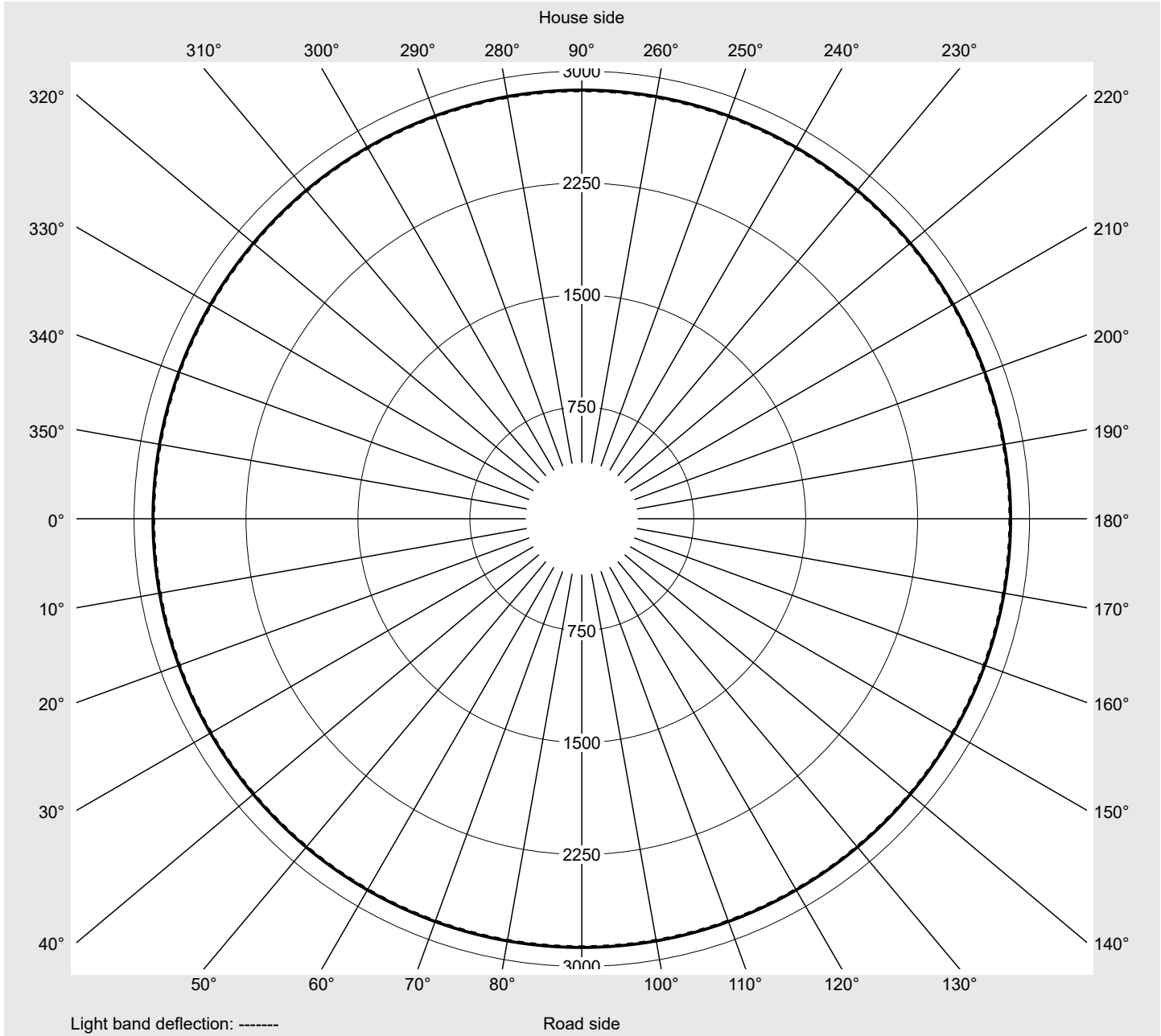
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Envelope curve in cd/klm

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	33220	270.2	286.6	278.4
95	241	252	31520	251.7	266.7	259.2
90	229	250	29950	235.3	249.3	242.3
85	216	248	28250	218.2	231.1	224.6
80	203	246	26550	201.9	213.8	207.8
75	190	243	24850	186.3	197.0	191.6
70	178	241	23280	172.4	182.3	177.4
65	165	238	21580	157.7	166.8	162.2
60	152	235	19880	143.6	151.7	147.6
55	140	232	18310	130.9	138.3	134.6
50	127	229	16610	117.5	124.1	120.8
45	114	225	14910	104.2	110.4	107.3
40	102	221	13340	92.5	97.6	95.0
35	89	216	11640	80.0	84.4	82.2
30	76	210	9940	67.9	71.6	69.8
25	63	203	8240	56.3	59.2	57.8
20	51	195	6670	45.8	48.1	47.0
15	38	184	4970	34.7	36.5	35.6
12	31	177	4054	28.9	30.3	29.6