

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772B1B1A
EAN: 4058352653814

LP number
59238_54



Version mounting bracket
Optic direct, symmetric ellipsoid distribution
R120004
Cover toughened safety glass
Lamps LED 2200 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 5230 lm
Power consumption = 45.5 W
Luminous efficacy = 114.9 lm/W

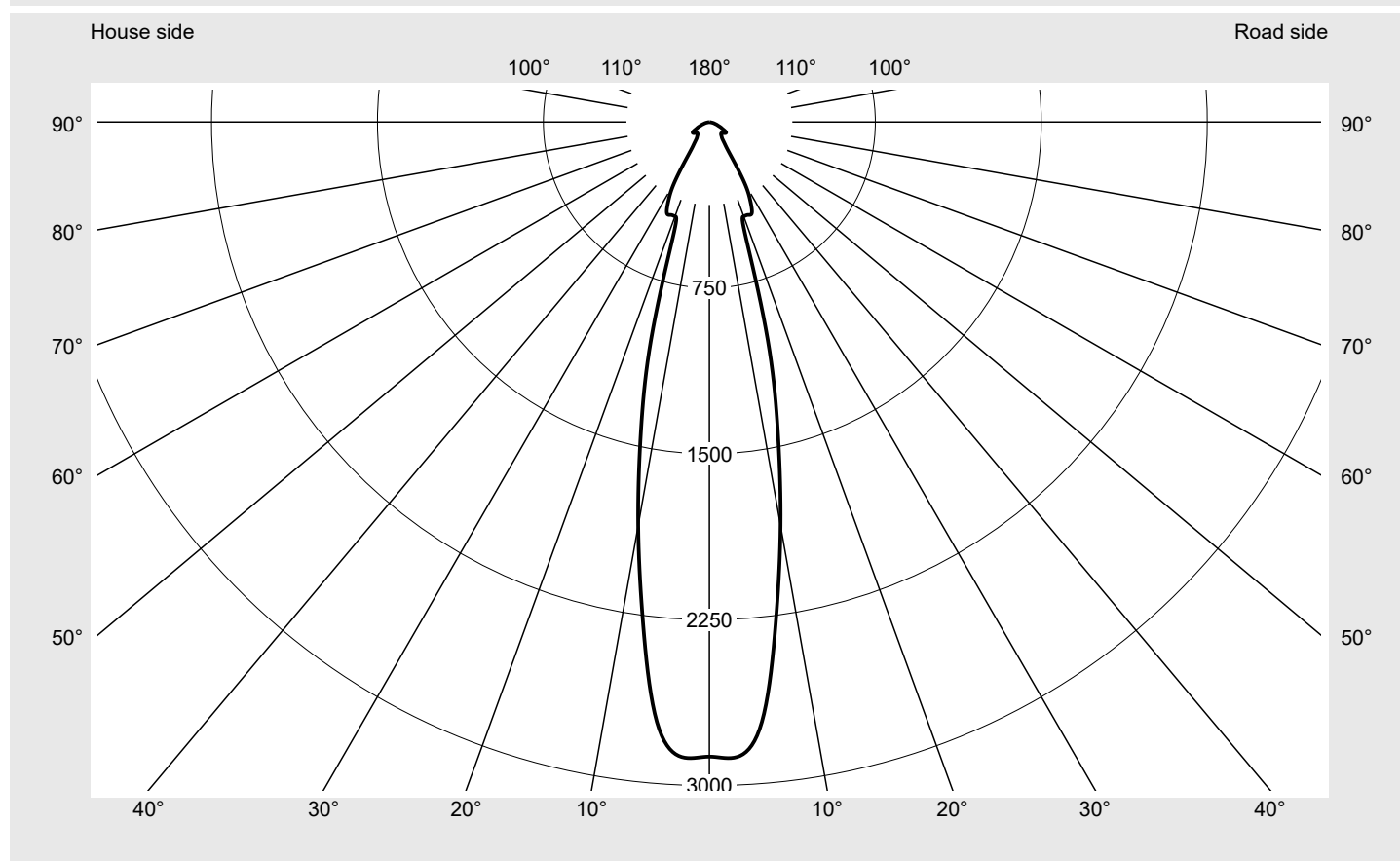
serial
documentation
26.08.2022

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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%

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

Measurement conditions

DIN EN 13032 and DIN 5032

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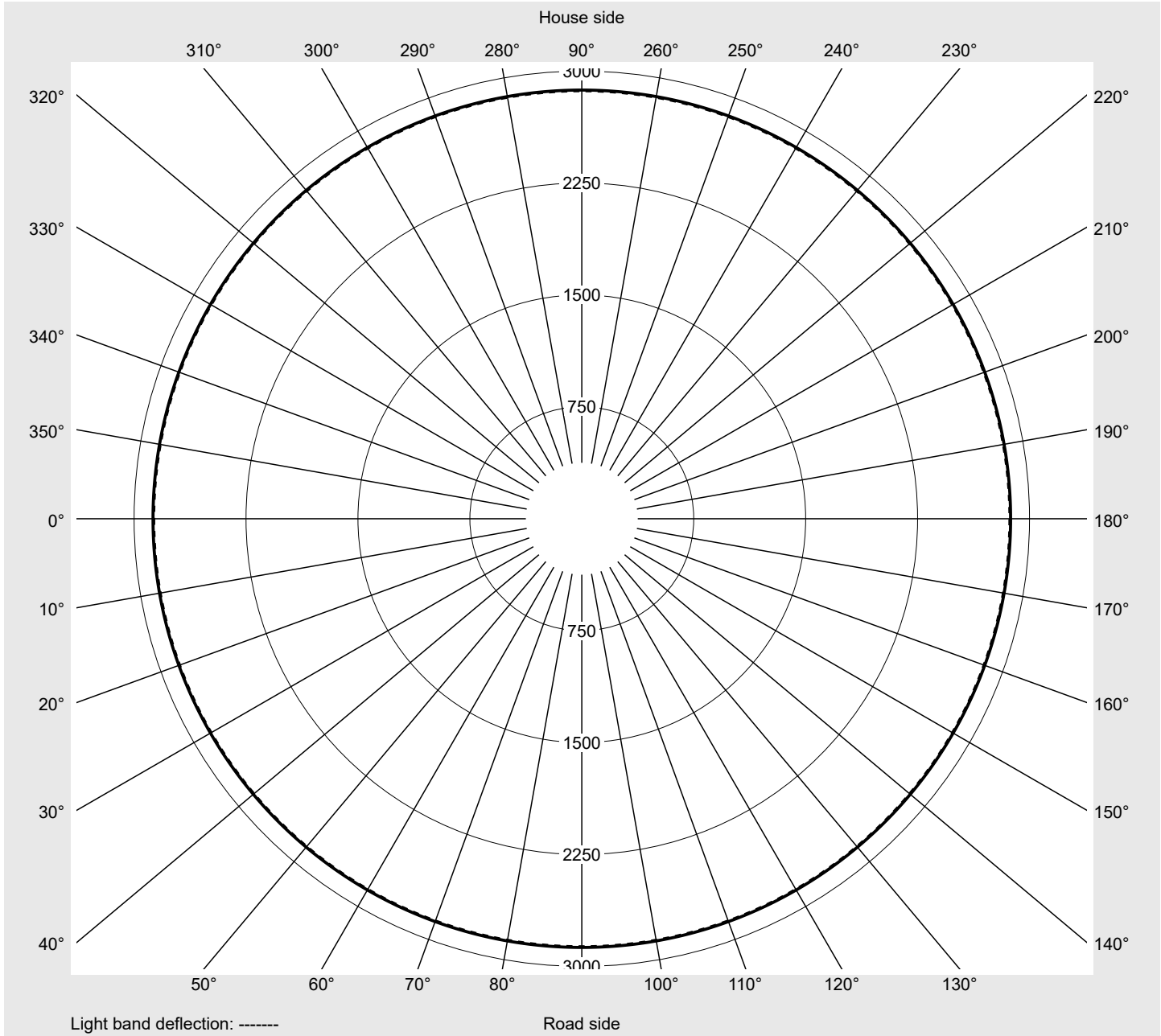
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Envelope curve in cd/klm

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	5230	45.5	48.0	46.8
95	241	252	4962	42.8	45.1	44.0
90	229	250	4715	40.3	42.5	41.4
85	216	248	4448	37.7	39.7	38.7
80	203	246	4180	35.1	37.0	36.0
75	190	243	3912	32.7	34.4	33.6
70	178	241	3665	30.5	32.1	31.3
65	165	238	3397	28.2	29.6	28.9
60	152	235	3130	25.8	27.1	26.4
55	140	232	2883	23.6	24.9	24.2
50	127	229	2615	21.4	22.6	22.0
45	114	225	2347	19.3	20.3	19.8
40	102	221	2100	17.4	18.2	17.8
35	89	216	1833	15.3	16.1	15.7
30	76	210	1565	13.3	13.9	13.6
25	63	203	1297	11.4	11.9	11.6
20	51	195	1050	9.5	9.9	9.7
15	39	185	803	8.2	8.3	8.2