

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772B3B1A
EAN: 4058352654231

LP number
59238_56



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 = 5430 lm
Power consumption = 45.5 W
Luminous efficacy = 119.3 lm/W

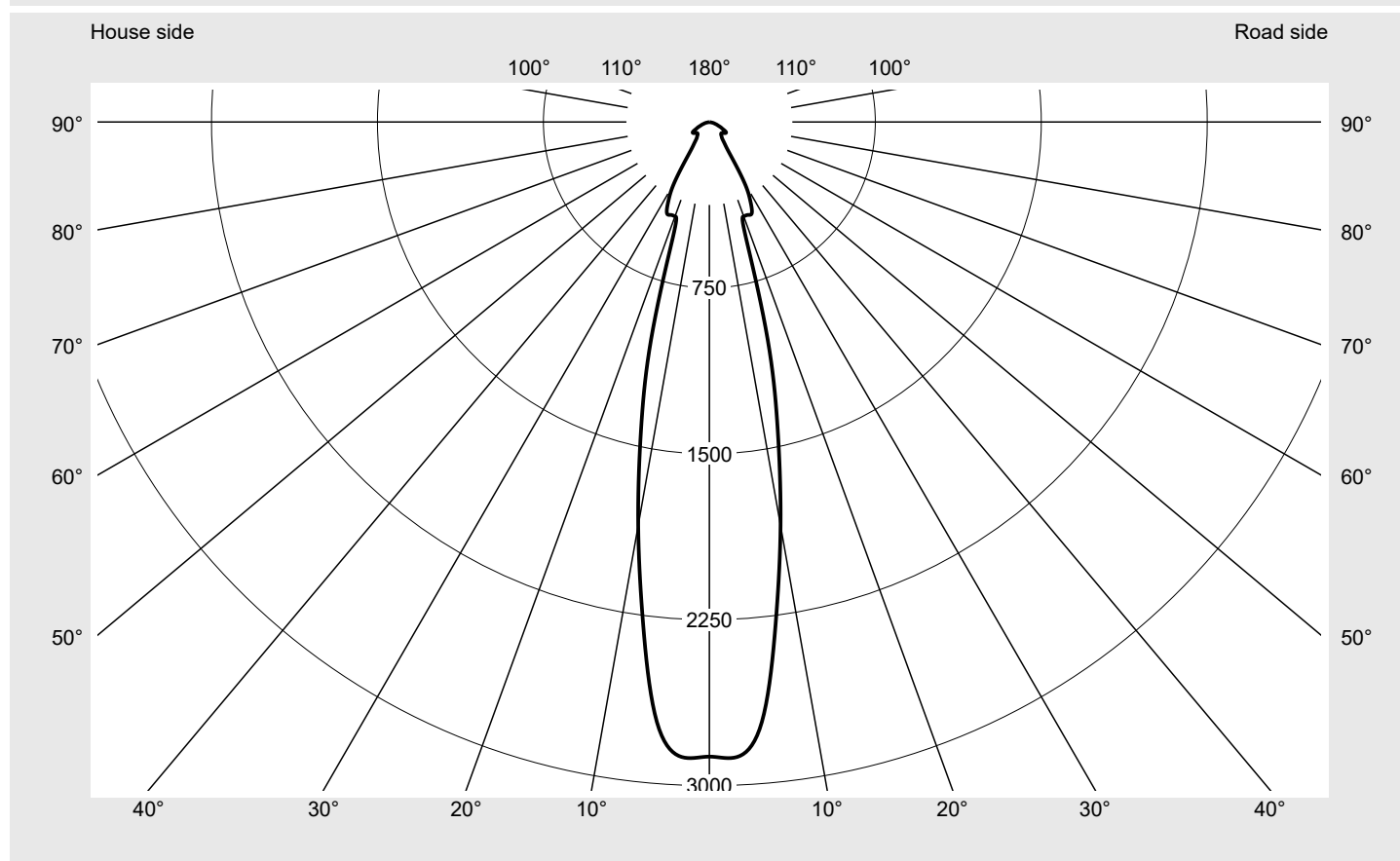
serial
documentation
26.08.2022

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%

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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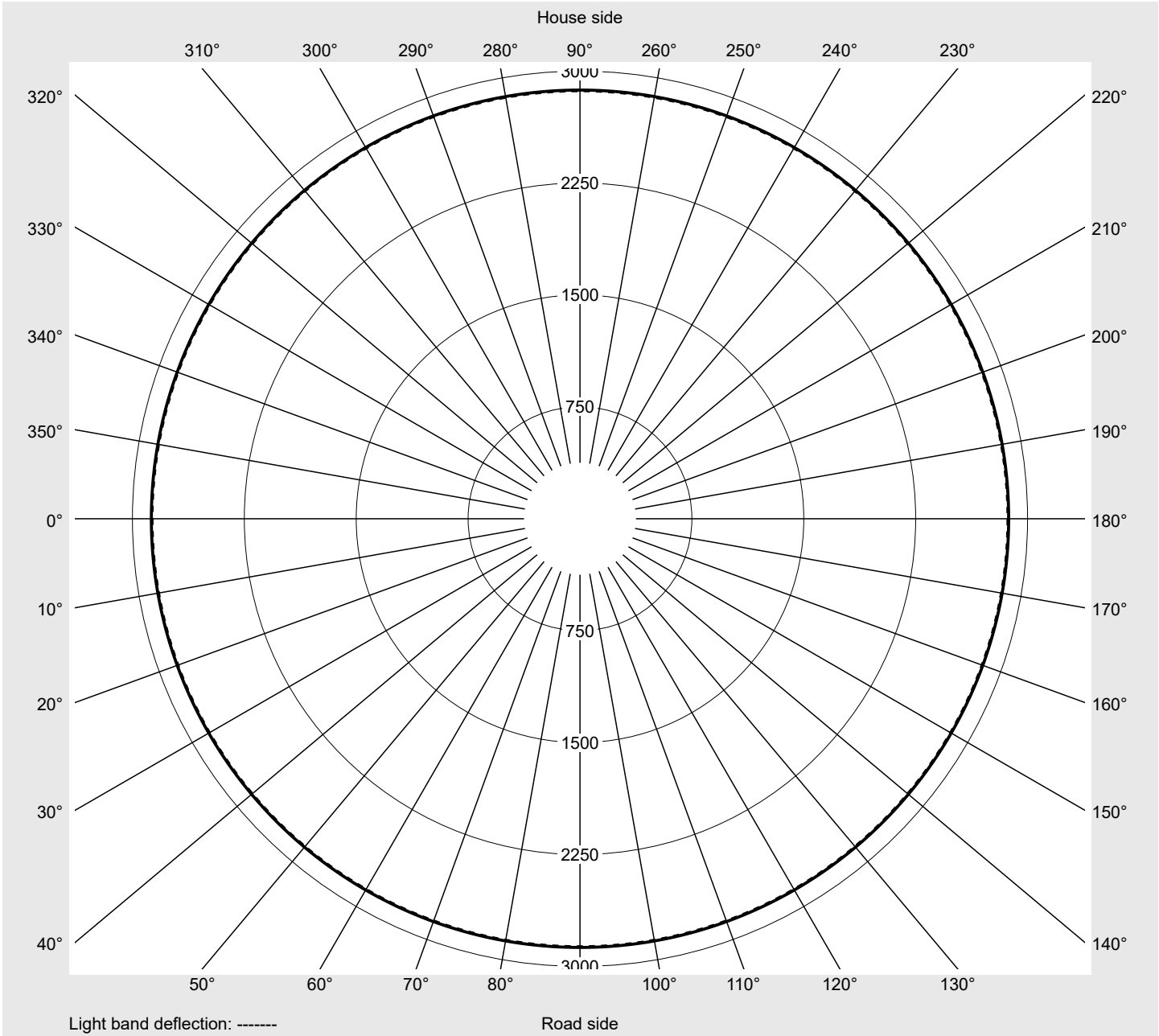
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Envelope curve in cd/klm

KMK 2,5°KMK 0°

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Table of values for luminous intensities Maximum luminous intensity		siteco

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	5430	45.5	48.0	46.8
95	241	252	5152	42.8	45.1	44.0
90	229	250	4896	40.3	42.5	41.4
85	216	248	4618	37.7	39.7	38.7
80	203	246	4340	35.1	37.0	36.0
75	190	243	4062	32.7	34.4	33.6
70	178	241	3805	30.5	32.1	31.3
65	165	238	3527	28.2	29.6	28.9
60	152	235	3249	25.8	27.1	26.4
55	140	232	2993	23.7	24.9	24.3
50	127	229	2715	21.4	22.6	22.0
45	114	225	2437	19.3	20.3	19.8
40	102	221	2181	17.4	18.2	17.8
35	89	216	1903	15.3	16.1	15.7
30	76	210	1625	13.3	13.9	13.6
25	63	203	1347	11.4	11.9	11.6
20	51	195	1090	9.5	9.9	9.7
15	39	185	834	8.2	8.3	8.2