

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772D1B1A
EAN: 4058352655801

LP number
59238_68



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 = 14920 lm
 Power consumption = 143.0 W
 Luminous efficacy = 104.3 lm/W

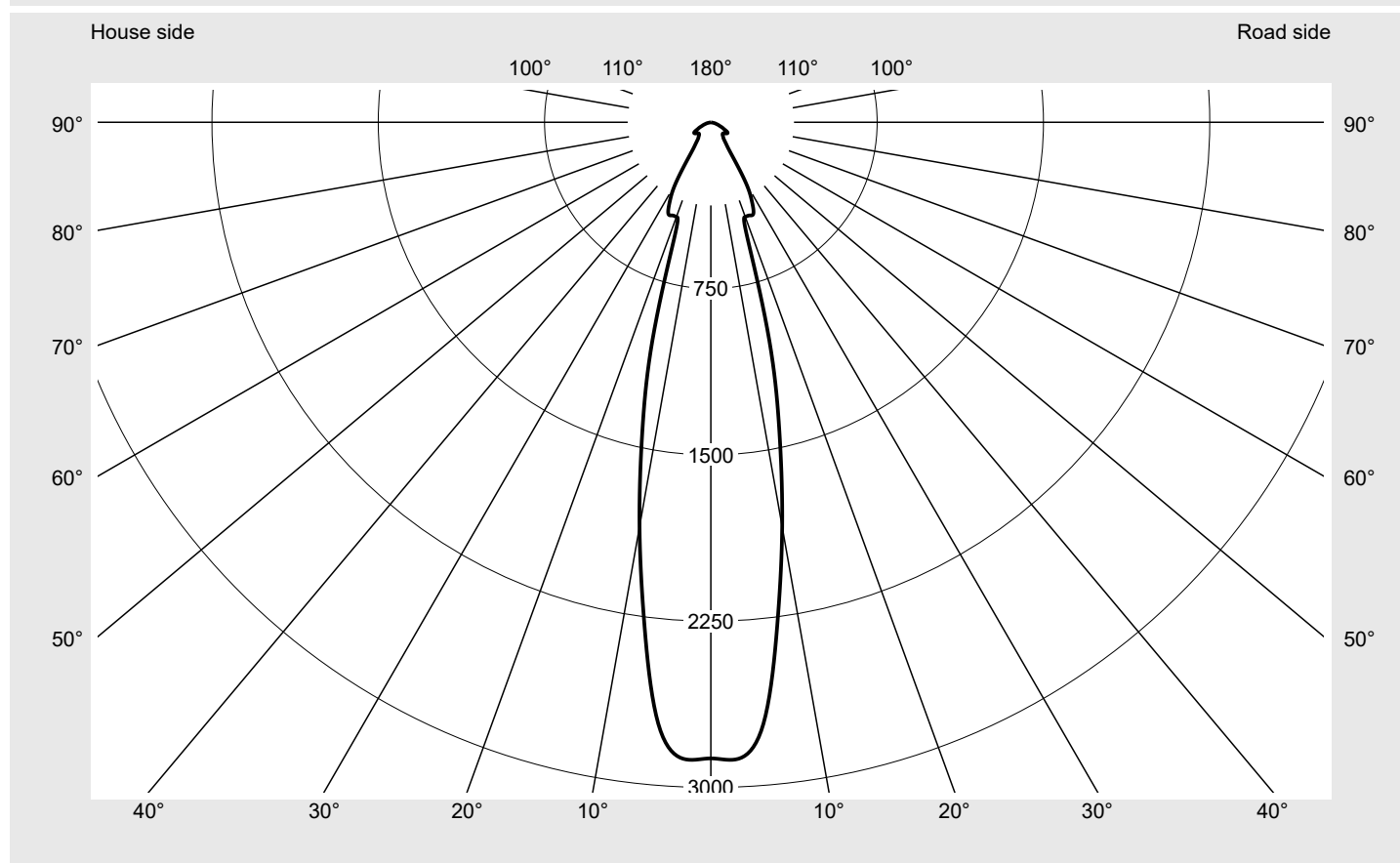
serial
documentation
26.08.2022

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

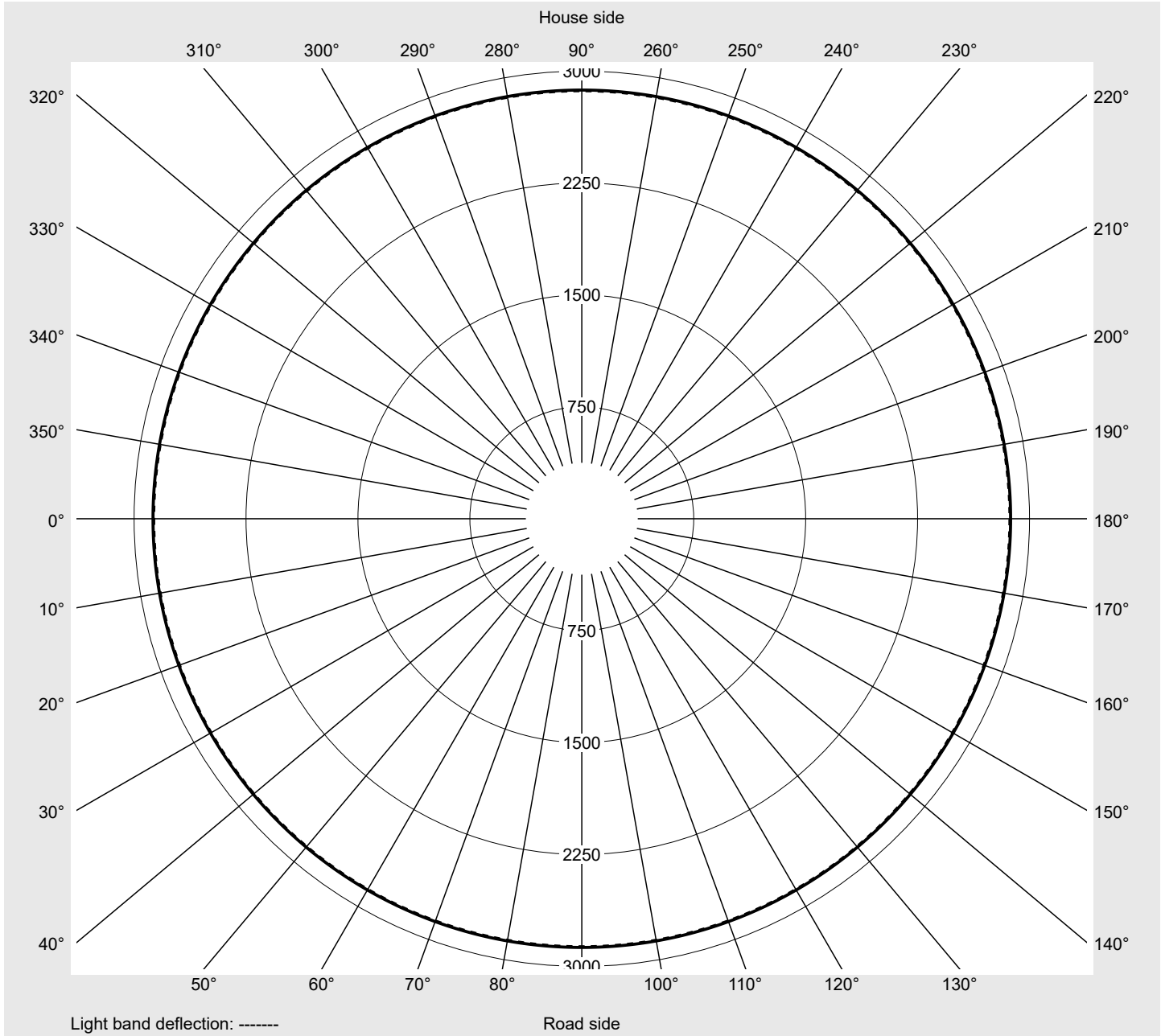
Class:	G6
Imax 70°	36.4
Imax 80°	9.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm KMK 2,5° KMK 0°		siteco



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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	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	14920	143.0	151.5	147.2
95	241	252	14156	132.7	140.6	136.6
90	229	250	13451	123.7	131.0	127.4
85	216	248	12688	114.4	121.1	117.8
80	203	246	11924	105.5	111.7	108.6
75	190	243	11161	97.1	102.6	99.8
70	178	241	10456	89.7	94.7	92.2
65	165	238	9692	81.8	86.4	84.1
60	152	235	8929	74.2	78.4	76.3
55	140	232	8224	67.6	71.3	69.4
50	127	229	7460	60.5	63.8	62.2
45	114	225	6696	53.7	56.6	55.2
40	102	221	5991	47.5	50.1	48.8
35	89	216	5228	41.0	43.2	42.1
30	76	210	4464	34.7	36.6	35.7
25	63	203	3701	28.7	30.2	29.4
20	51	195	2996	23.4	24.5	24.0
15	38	184	2232	17.8	18.6	18.2
11	28	173	1645	13.5	14.1	13.8