

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772D5B1A
EAN: 4058352656631

LP number
59238_72



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 = 16820 lm
 Power consumption = 143.0 W
 Luminous efficacy = 117.6 lm/W

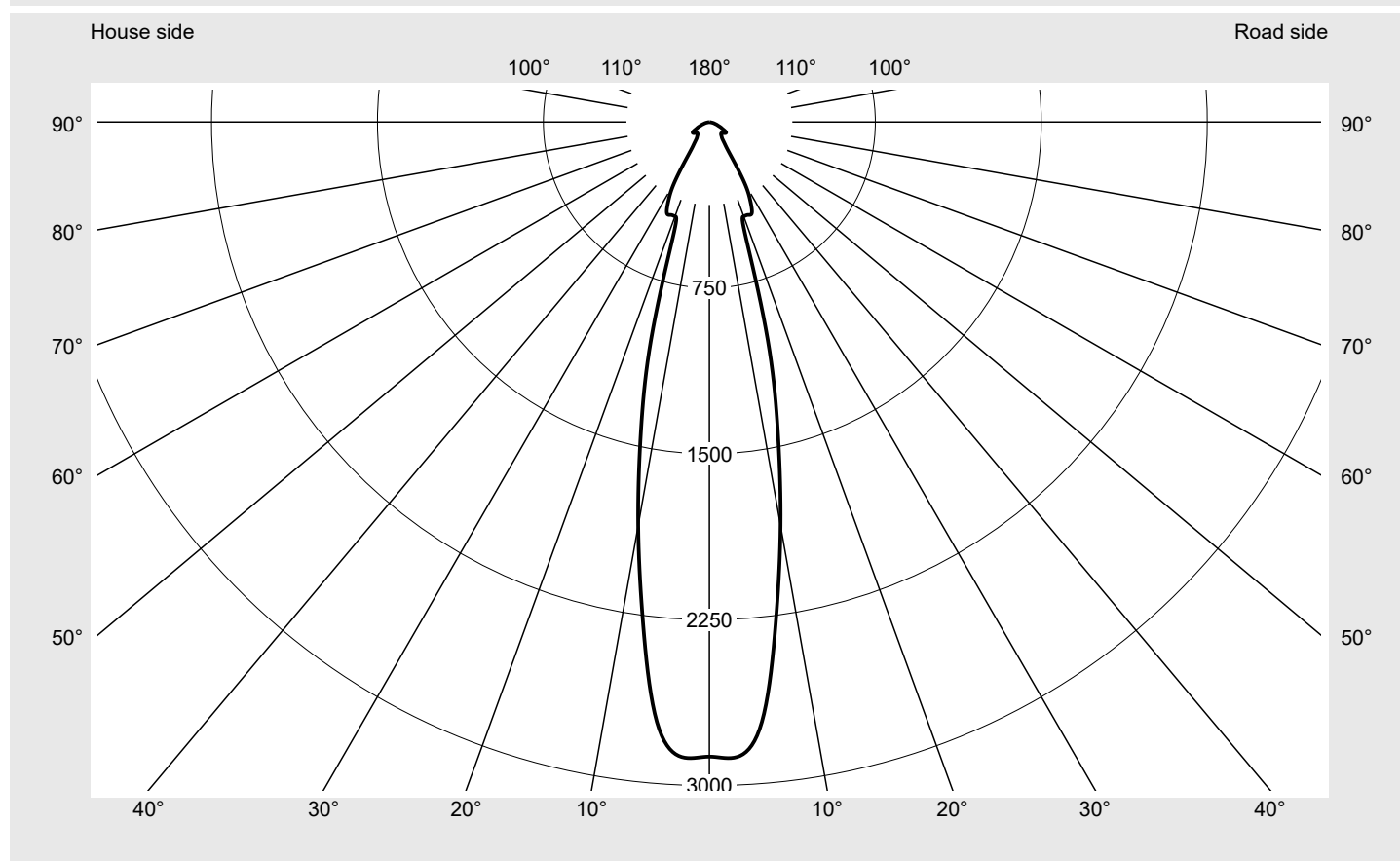
serial
documentation
26.08.2022

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

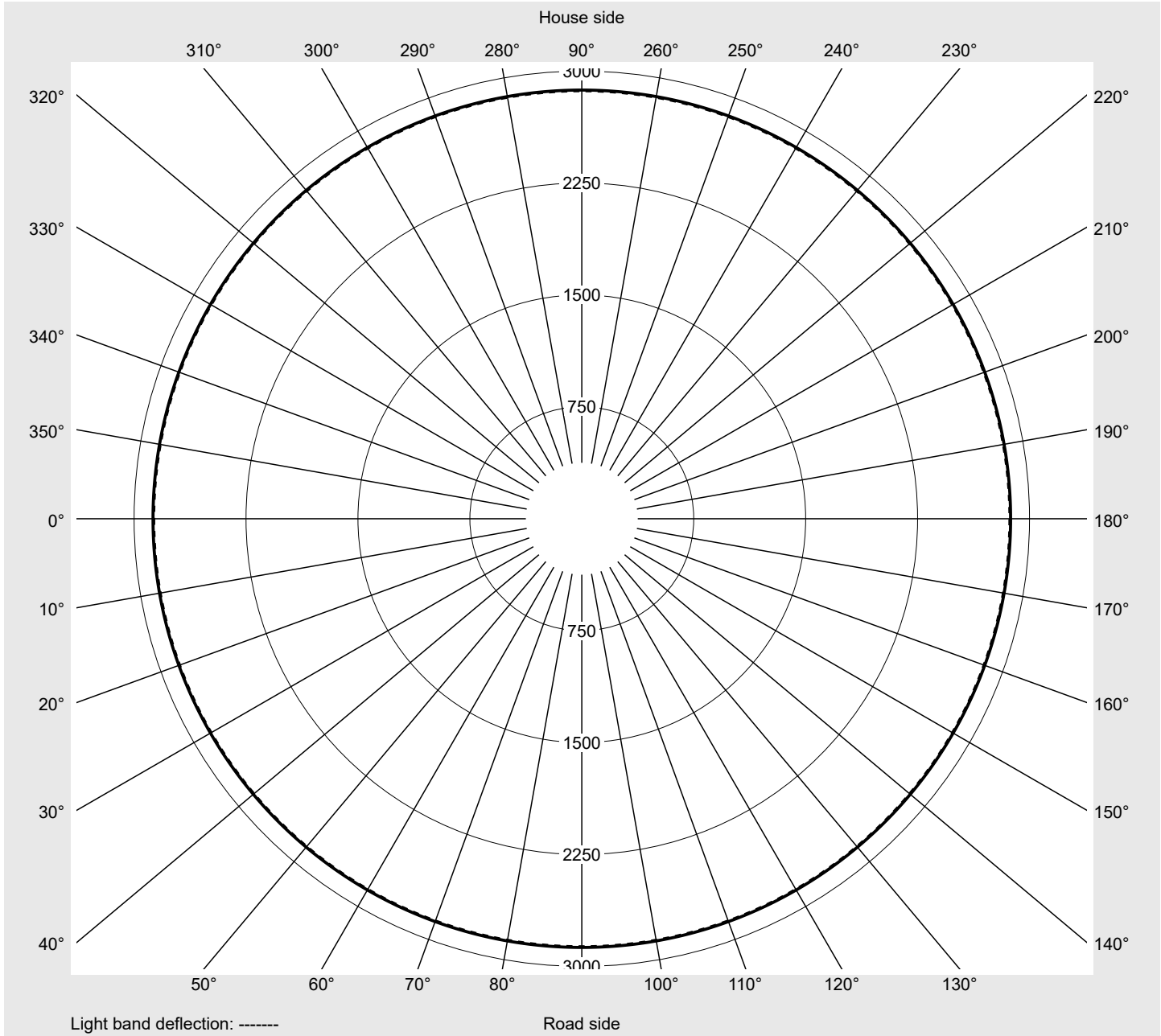
Class:	G6
Imax 70°	36.4
Imax 80°	9.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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	16820	143.0	151.5	147.2
95	241	252	15959	132.7	140.6	136.6
90	229	250	15164	123.7	131.0	127.4
85	216	248	14304	114.5	121.2	117.8
80	203	246	13443	105.6	111.8	108.7
75	190	243	12582	97.2	102.7	100.0
70	178	241	11787	89.8	94.8	92.3
65	165	238	10926	81.9	86.5	84.2
60	152	235	10066	74.4	78.6	76.5
55	140	232	9271	67.7	71.4	69.6
50	127	229	8410	60.6	63.9	62.2
45	114	225	7549	53.8	56.8	55.3
40	102	221	6754	47.6	50.2	48.9
35	89	216	5894	41.1	43.3	42.2
30	76	210	5033	34.8	36.7	35.8
25	63	203	4172	28.8	30.3	29.6
20	51	195	3377	23.4	24.6	24.0
15	38	184	2516	17.8	18.7	18.2
11	28	173	1854	13.5	14.2	13.8