

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772D3B1A
EAN: 4058352656211

LP number
59238_70



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 = 15500 lm
Power consumption = 143.0 W
Luminous efficacy = 108.4 lm/W

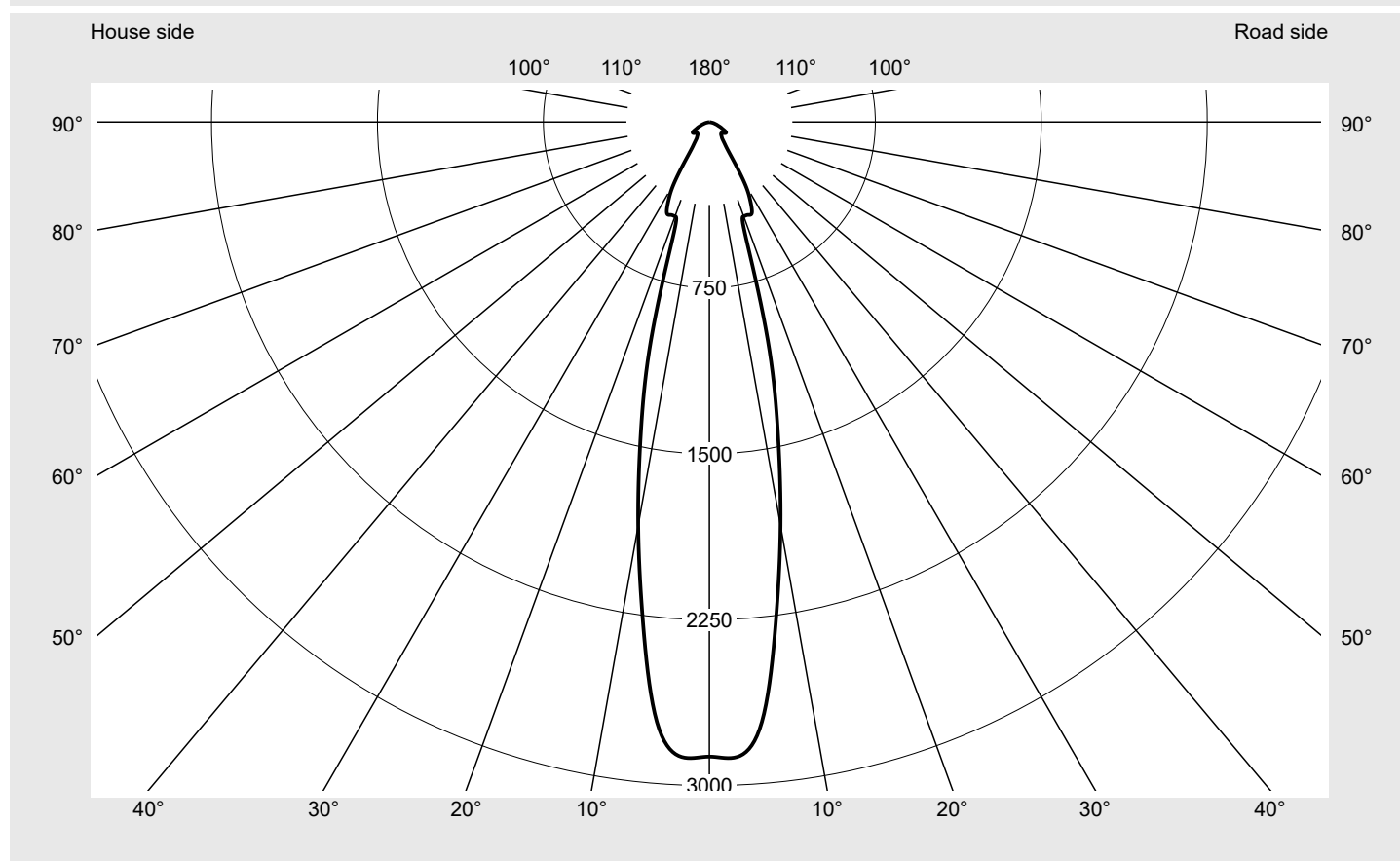
serial
documentation
26.08.2022

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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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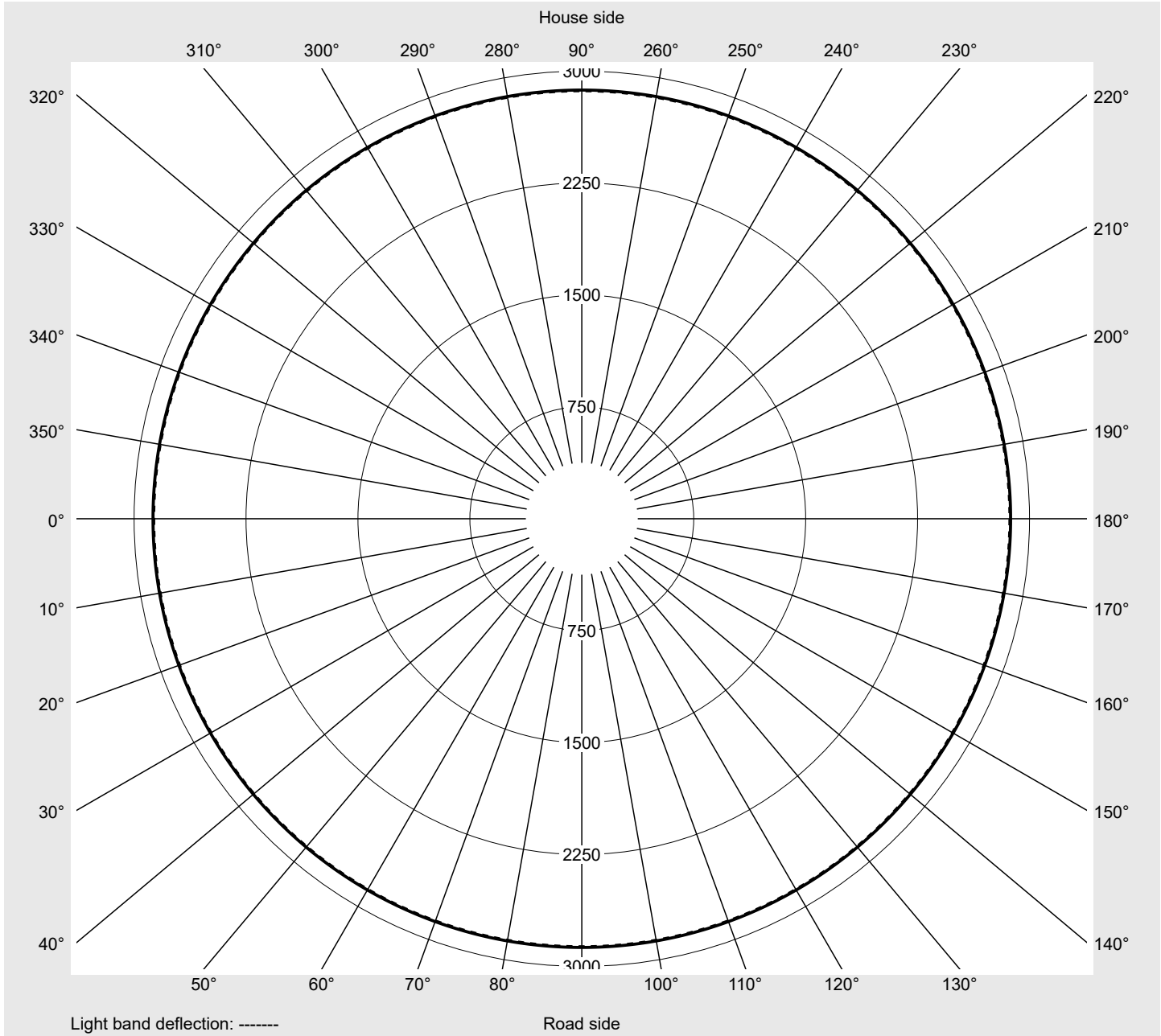
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Envelope curve in cd/klm

KMK 2,5°KMK 0°

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Table of values for luminous intensities		Maximum luminous intensity s i T e c o

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	15500	143.0	151.5	147.2
95	241	252	14707	132.7	140.6	136.6
90	229	250	13974	123.7	131.0	127.4
85	216	248	13181	114.4	121.1	117.8
80	203	246	12388	105.6	111.7	108.6
75	190	243	11594	97.1	102.6	99.8
70	178	241	10862	89.7	94.7	92.2
65	165	238	10069	81.8	86.4	84.1
60	152	235	9276	74.3	78.5	76.4
55	140	232	8543	67.6	71.3	69.4
50	127	229	7750	60.5	63.8	62.2
45	114	225	6957	53.7	56.7	55.2
40	102	221	6224	47.5	50.1	48.8
35	89	216	5431	41.0	43.2	42.1
30	76	210	4638	34.8	36.6	35.7
25	63	203	3844	28.7	30.2	29.4
20	51	195	3112	23.4	24.5	24.0
15	38	184	2319	17.8	18.6	18.2
11	28	173	1709	13.5	14.1	13.8