

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7771D4B1A
EAN: 4058352653548

LP number
59238_67



Version mounting bracket
Optic direct, symmetric ellipsoid distribution
R120004
Cover toughened safety glass
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 18810 lm
Power consumption = 143.0 W
Luminous efficacy = 131.5 lm/W

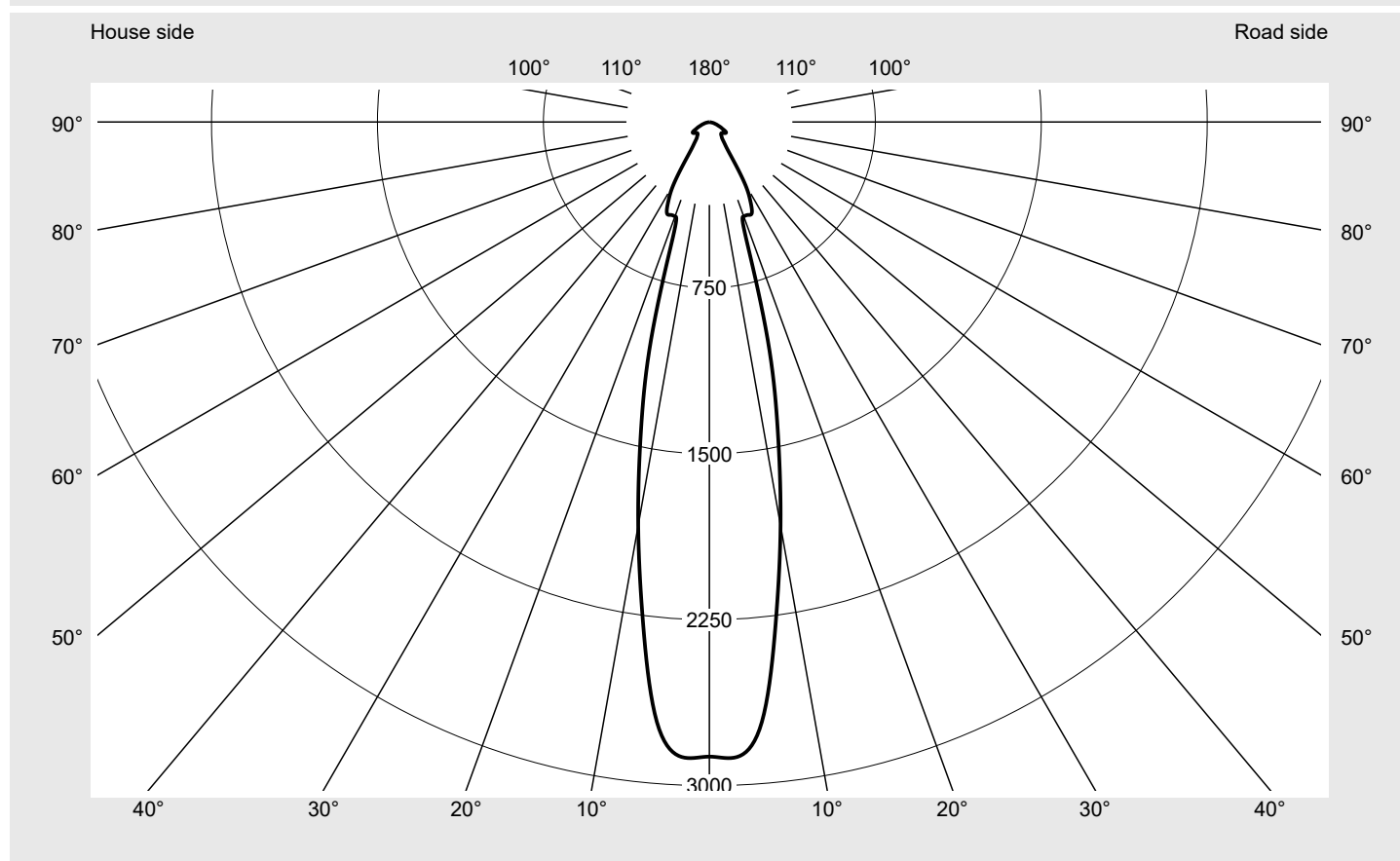
serial
documentation
26.08.2022

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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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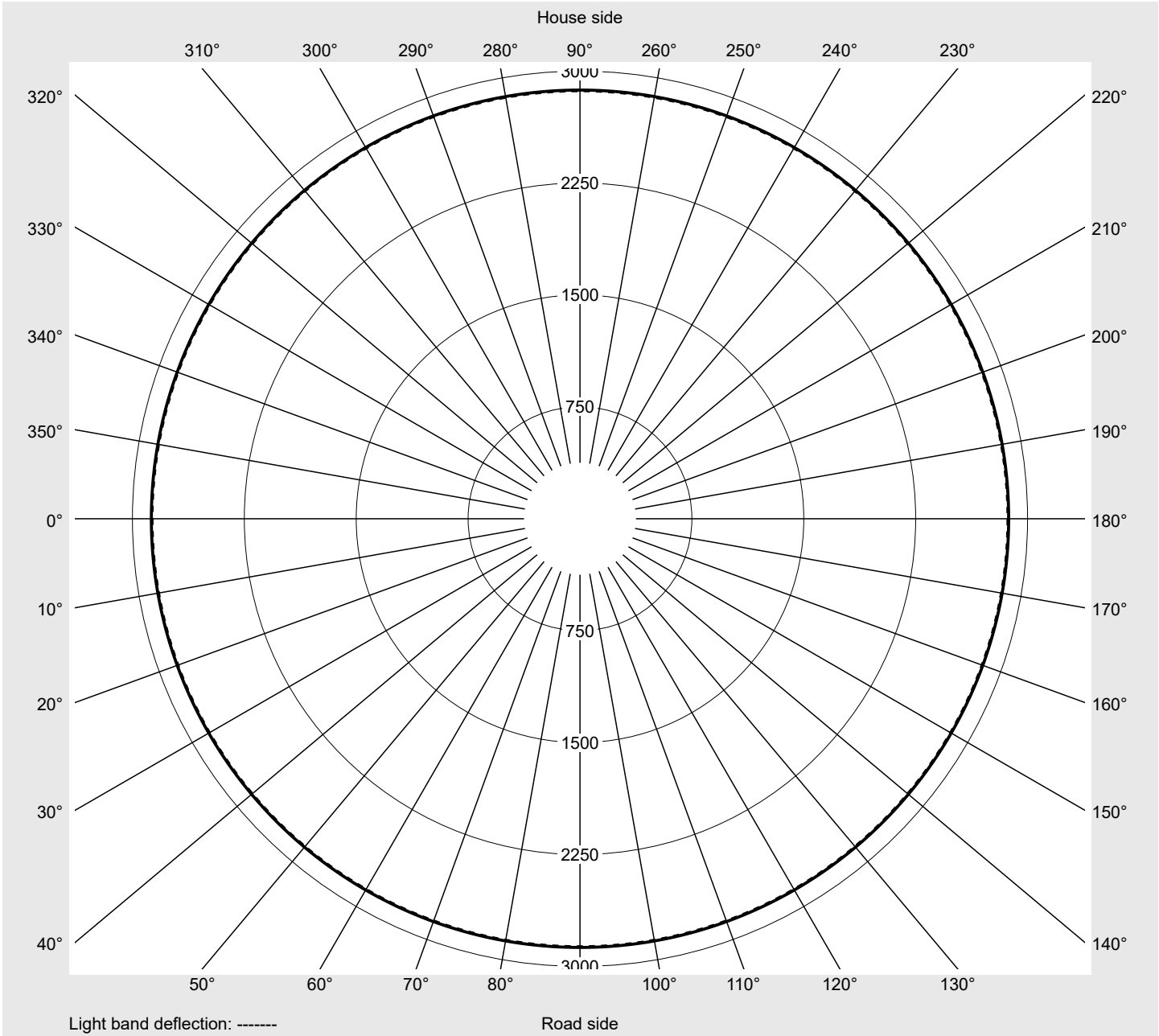
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Envelope curve in cd/klm

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	18810	143.0	151.5	147.2
95	241	252	17847	132.7	140.6	136.6
90	229	250	16959	123.8	131.1	127.4
85	216	248	15996	114.6	121.2	117.9
80	203	246	15033	105.7	111.9	108.8
75	190	243	14070	97.3	102.8	100.0
70	178	241	13182	89.9	94.9	92.4
65	165	238	12219	82.0	86.7	84.4
60	152	235	11256	74.5	78.7	76.6
55	140	232	10368	67.8	71.5	69.6
50	127	229	9405	60.8	64.1	62.4
45	114	225	8442	53.9	56.9	55.4
40	102	221	7554	47.7	50.4	49.0
35	89	216	6591	41.2	43.5	42.4
30	76	210	5628	34.9	36.8	35.8
25	63	203	4665	28.9	30.4	29.6
20	51	195	3777	23.5	24.6	24.0
15	38	184	2814	17.9	18.7	18.3
11	27	172	1999	13.1	13.8	13.4