

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772D4B1A
EAN: 4058352656365

LP number
59238_71



Version	mounting bracket
Optic	symmetric distribution RS12
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

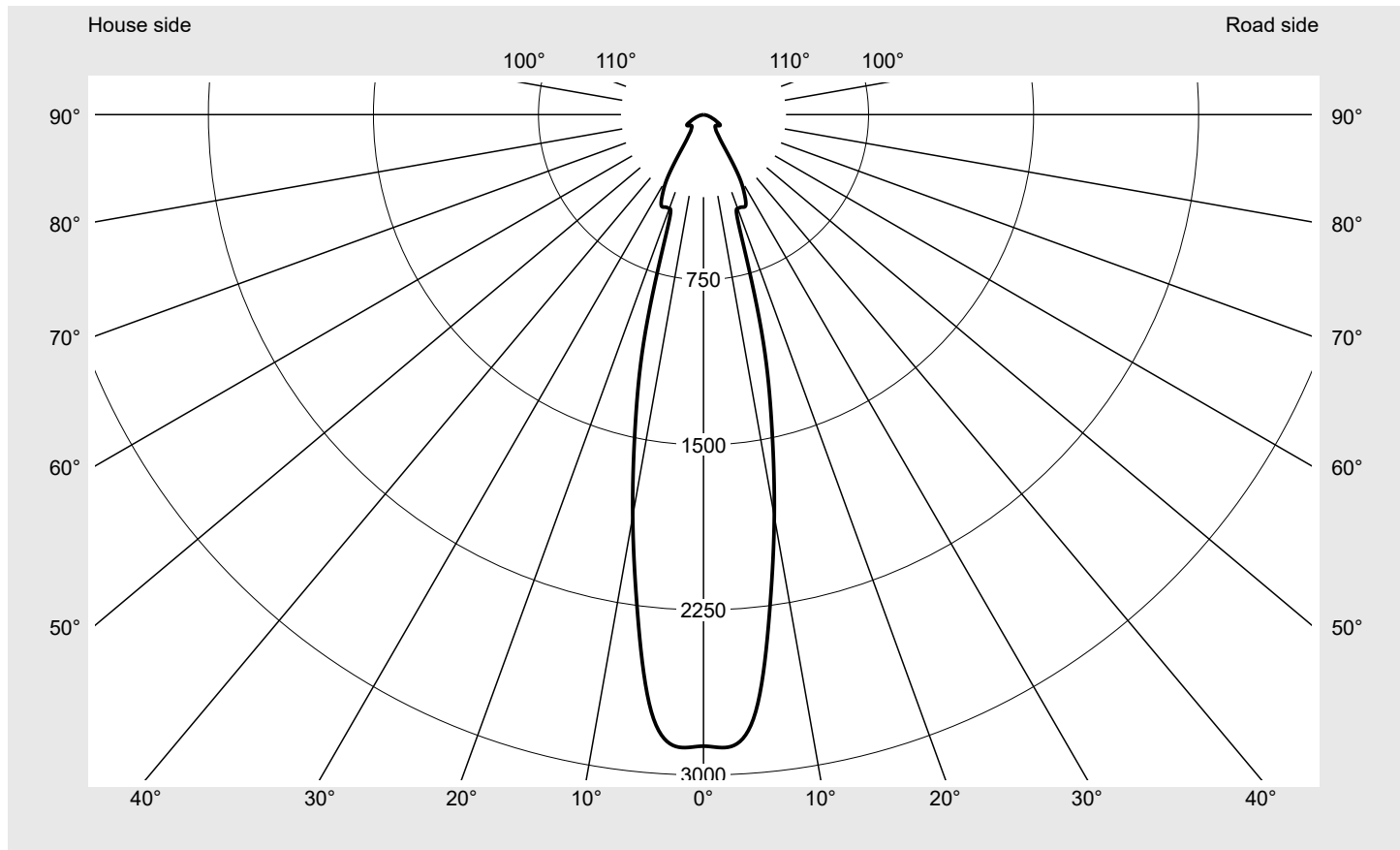
serial
documentation
26.08.2022

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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

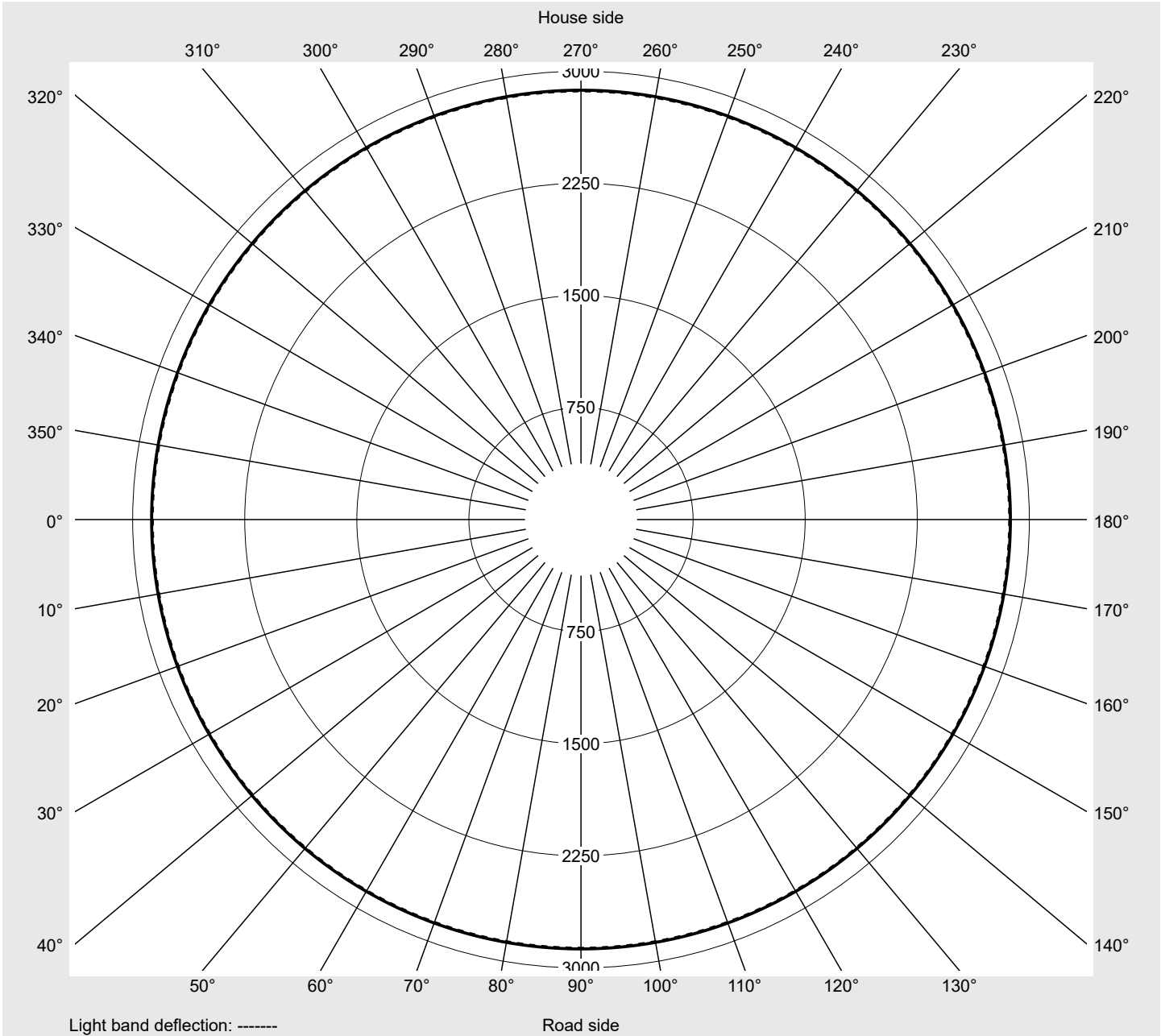
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Envelope curve in cd/klm KMK 2.5° KMK 0°



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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	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	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