

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7772C5B1A
EAN: 4058352655672

LP number
59238_65



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 = 11510 lm
Power consumption = 87.2 W
Luminous efficacy = 132 lm/W

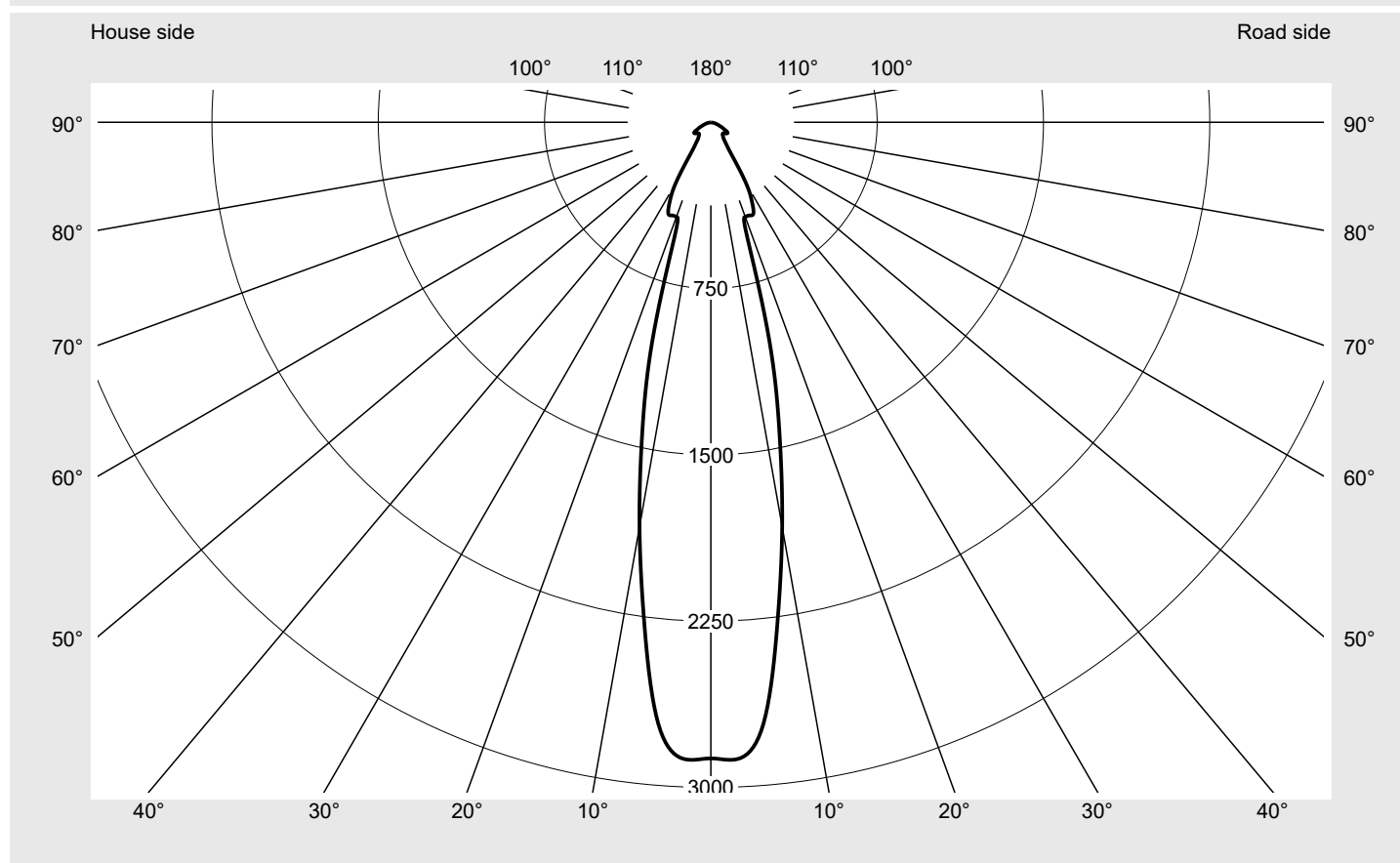
serial
documentation
26.08.2022

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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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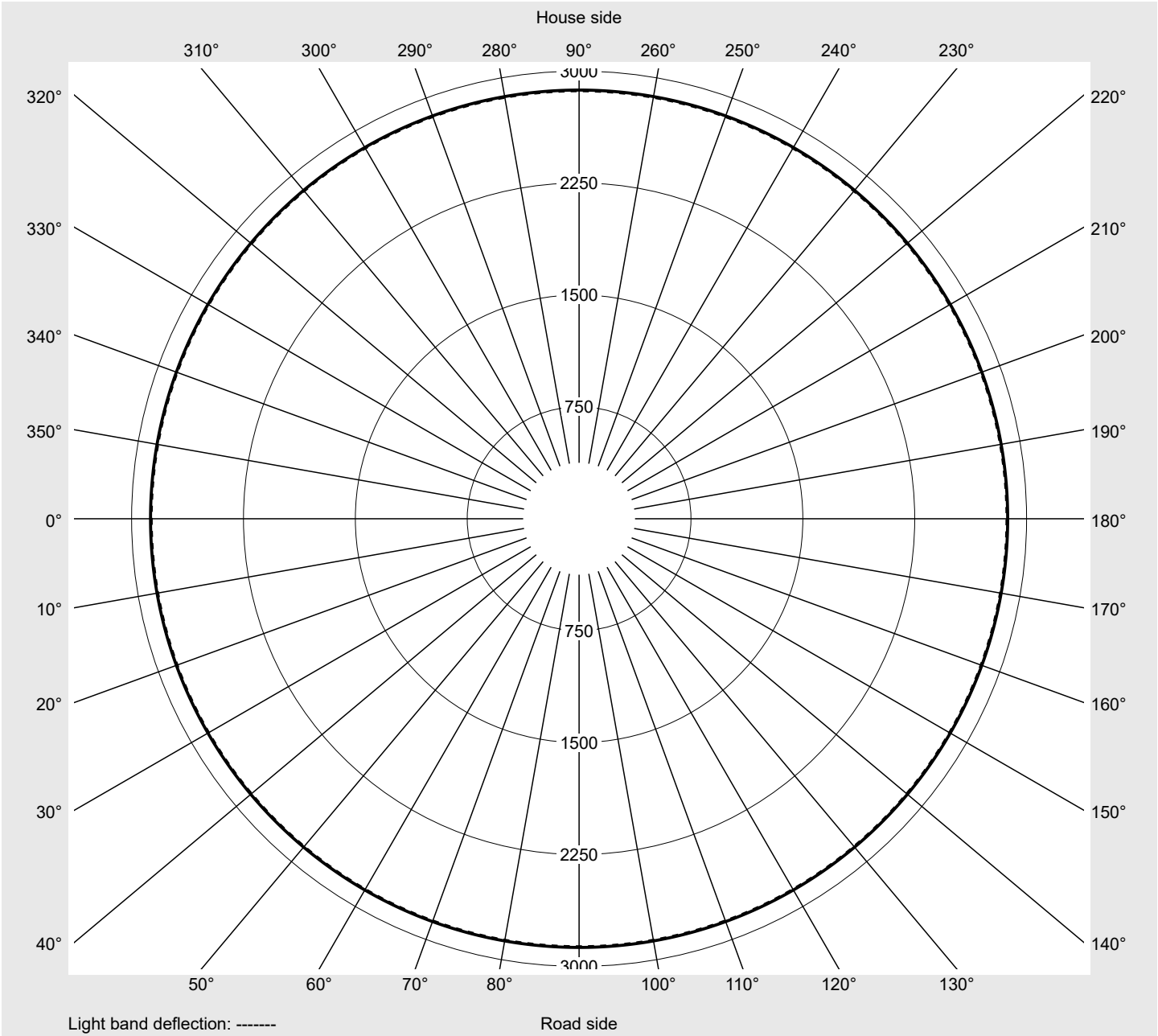
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Envelope curve in cd/klm

KMK 2,5°KMK 0°

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Table of values for luminous intensities Maximum luminous intensity		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

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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	11510	87.2	92.1	89.6
95	241	252	10921	81.9	86.5	84.2
90	229	250	10377	77.1	81.4	79.2
85	216	248	9788	72.0	76.0	74.0
80	203	246	9199	67.1	70.8	68.9
75	190	243	8610	62.3	65.7	64.0
70	178	241	8066	57.9	61.1	59.5
65	165	238	7477	53.2	56.2	54.7
60	152	235	6888	48.6	51.4	50.0
55	140	232	6344	44.5	46.9	45.7
50	127	229	5755	40.1	42.2	41.2
45	114	225	5166	35.9	37.7	36.8
40	102	221	4622	31.9	33.6	32.8
35	89	216	4033	27.8	29.3	28.6
30	76	210	3444	23.8	25.0	24.4
25	63	203	2855	20.0	21.0	20.5
20	51	195	2311	16.5	17.3	16.9
16	40	186	1813	13.3	13.9	13.6