

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7771D2B1A
EAN: 4058352653227

LP number
59238_66



Version mounting bracket
Optic direct, symmetric ellipsoid distribution
 R120004
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 18020 lm
 Power consumption = 143.0 W
 Luminous efficacy = 126 lm/W

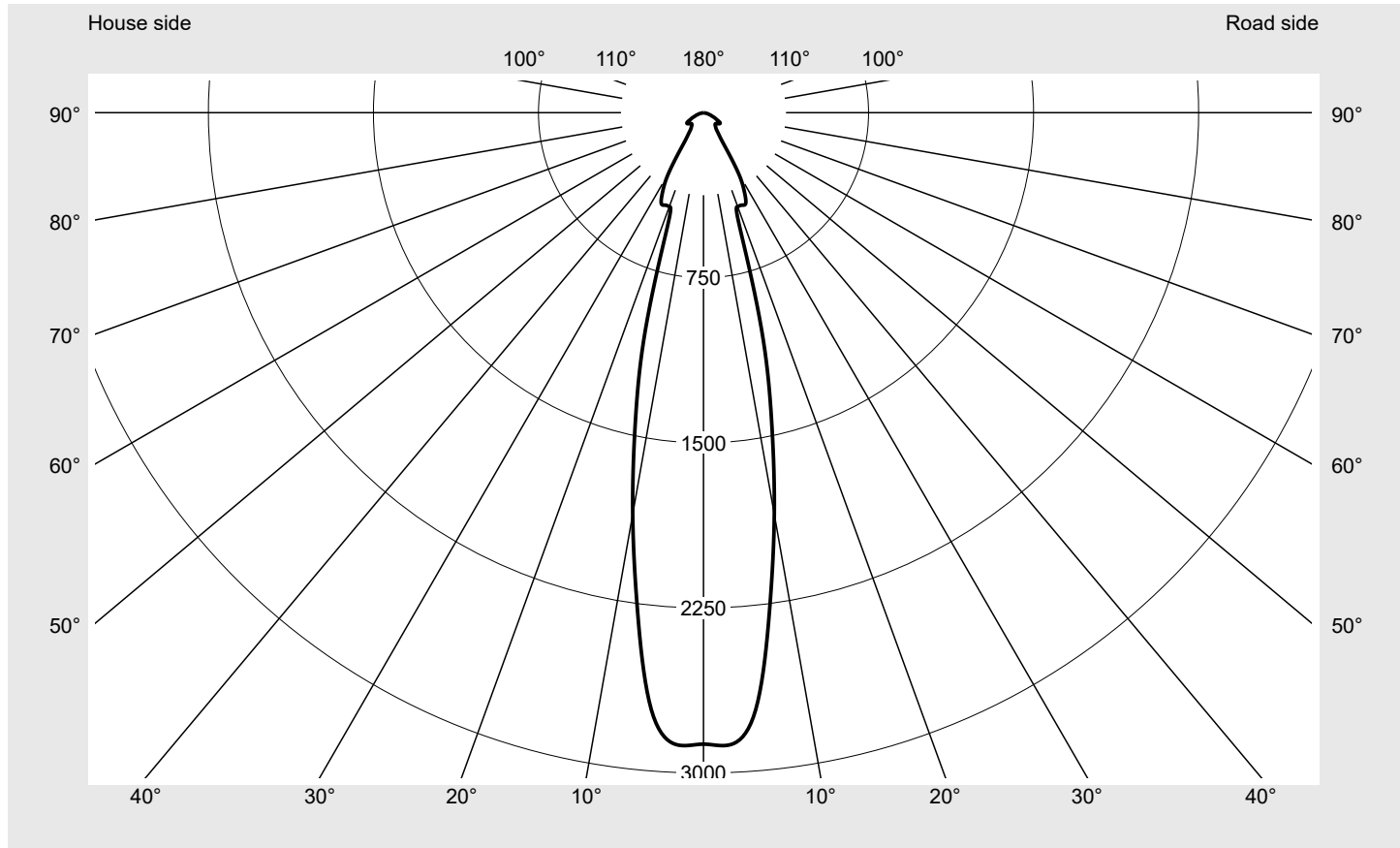
serial
documentation
26.08.2022

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

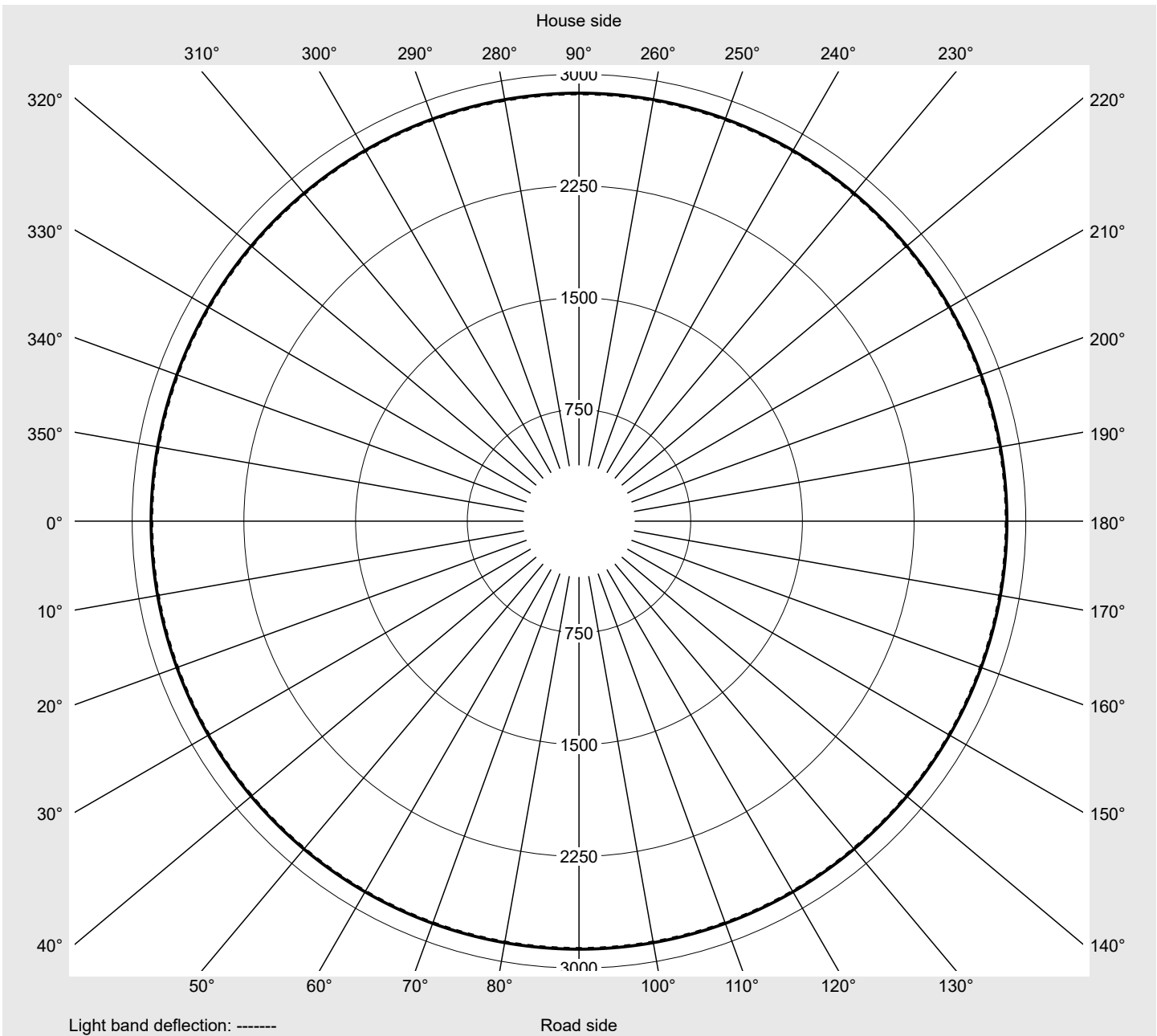
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Envelope curve in cd/klm KMK 2.5° KMK 0° siteco



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sITeco

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]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	18020	143.0	151.5	147.2
95	241	252	17098	132.7	140.6	136.6
90	229	250	16246	123.7	131.0	127.4
85	216	248	15324	114.5	121.1	117.8
80	203	246	14402	105.6	111.7	108.6
75	190	243	13480	97.2	102.7	100.0
70	178	241	12628	89.8	94.8	92.3
65	165	238	11706	81.9	86.5	84.2
60	152	235	10784	74.3	78.6	76.4
55	140	232	9932	67.7	71.4	69.6
50	127	229	9010	60.6	63.9	62.2
45	114	225	8088	53.8	56.7	55.2
40	102	221	7236	47.6	50.2	48.9
35	89	216	6314	41.1	43.3	42.2
30	76	210	5392	34.8	36.7	35.8
25	63	203	4470	28.8	30.3	29.6
20	51	195	3618	23.4	24.6	24.0
15	38	184	2696	17.8	18.7	18.2
11	28	173	1986	13.5	14.2	13.8