
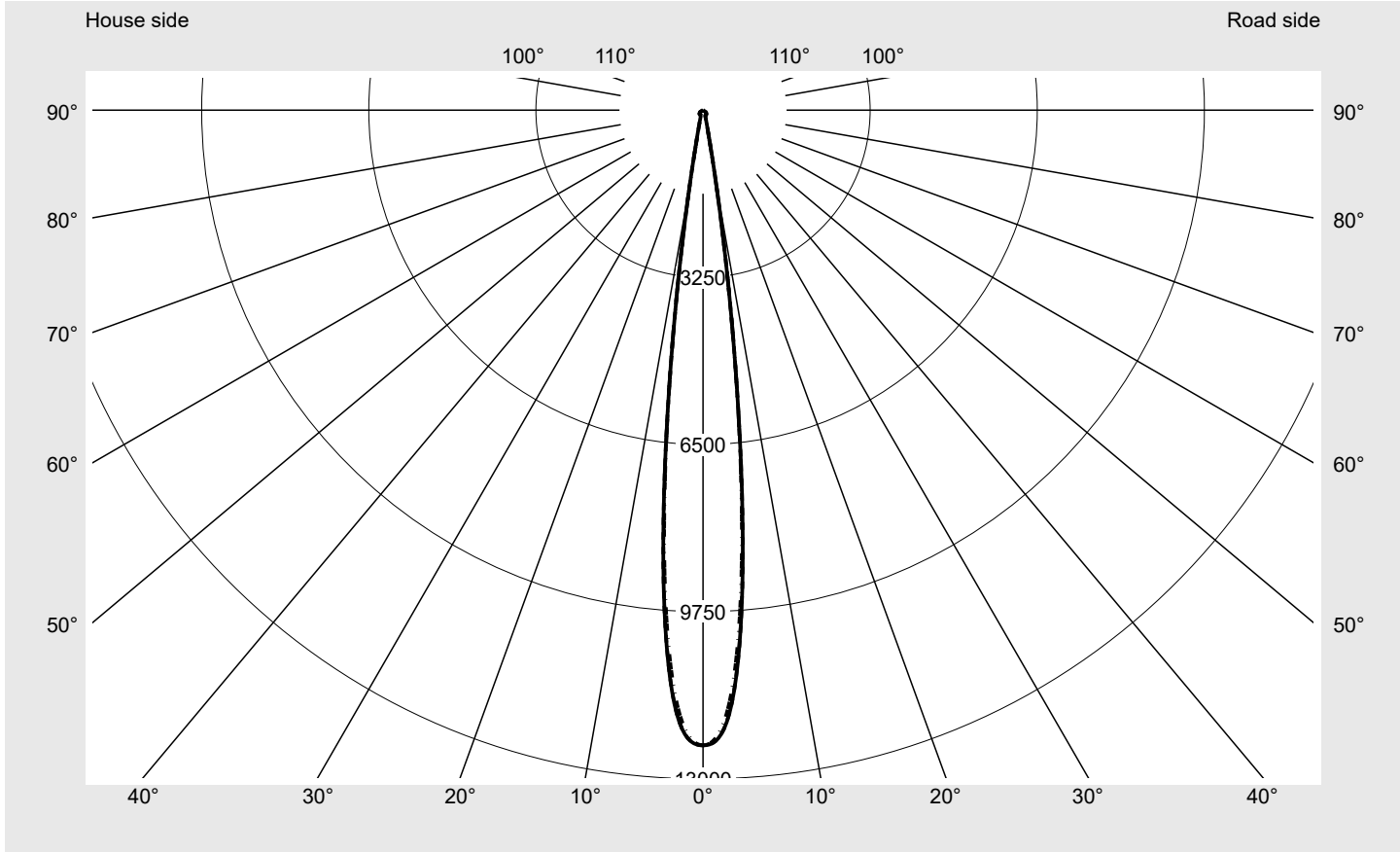


Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7782F5K1A EAN: 4058352854983	LP number 59305_20
	Version mounting bracket Optic symmetric distribution RS7 Cover toughened safety glass Lamps LED 4000 K CRI ≥ 80 Controlgear ECG SITECO iQ Rated values Net luminous flux = 33510 lm Power consumption = 270.2 W Luminous efficacy = 124 lm/W	serial documentation 22.08.2023
		

Luminous intensity in cd/klm C180-0 C185-5 C270-90 **Imax: 12348 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°	33.3
Imax 80°	10.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

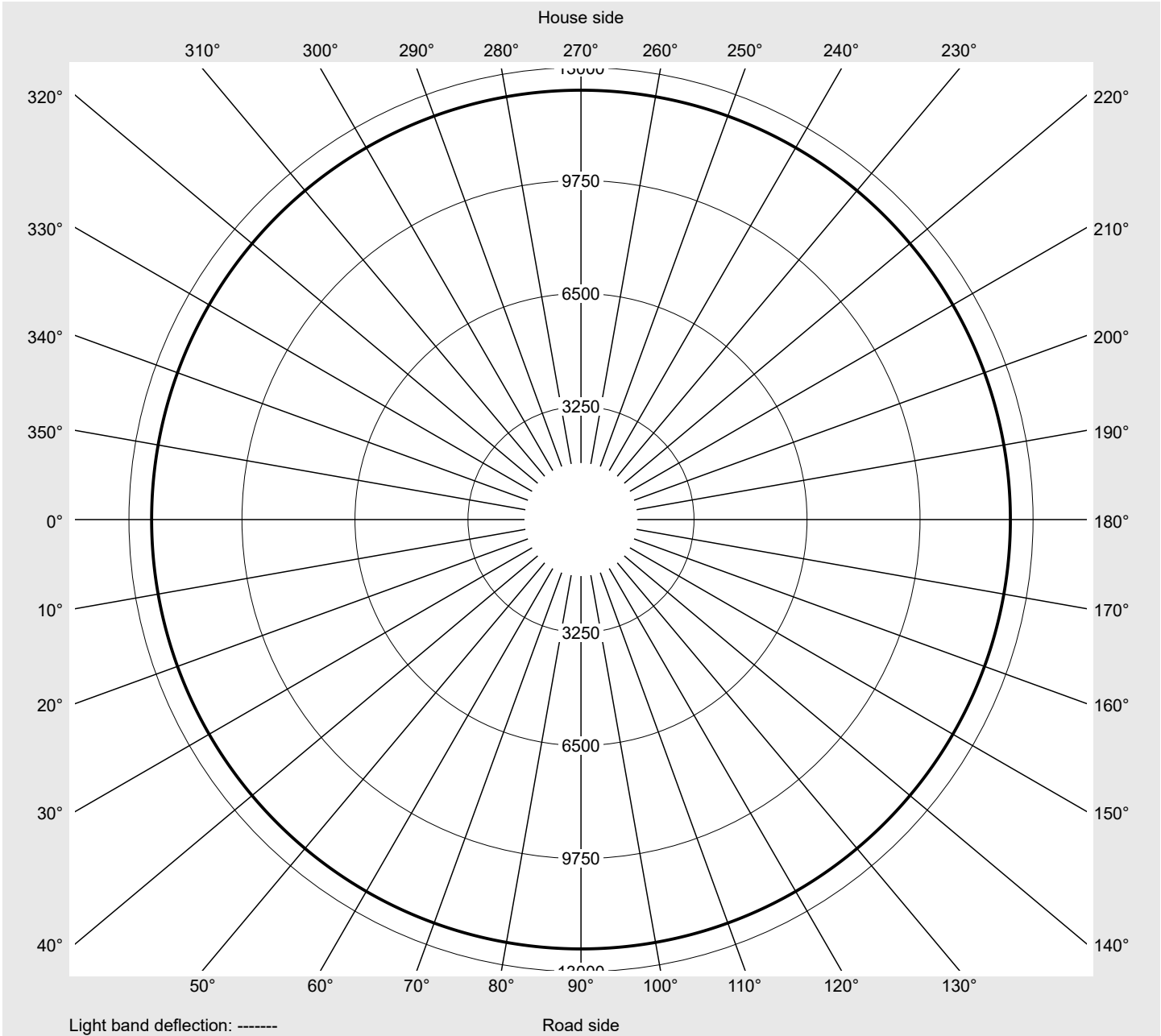
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

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



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siteco

Table of values for luminous intensities Maximum luminous intensity

C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
γ Luminous intensity in cd/klm										
0,0°	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1
2,5°	11740.3	11736.4	11732.4	11728.5	11741.1	11753.7	11766.3	11748.6	11730.9	11713.2
5,0°	8862.5	8858.5	8854.4	8850.4	8960.8	9071.1	9181.5	9162.5	9143.5	9124.5
7,5°	4523.8	4521.3	4518.8	4516.3	4592.9	4669.4	4745.9	4754.6	4763.3	4771.9
10,0°	1521.6	1523.6	1525.5	1527.4	1539.1	1550.7	1562.3	1563.7	1565.2	1566.7
12,5°	537.5	527.2	516.9	506.6	509.7	512.9	516.0	503.2	490.5	477.7
15,0°	276.8	276.2	275.7	275.1	276.5	277.9	279.3	278.0	276.8	275.5
17,5°	185.9	185.4	185.0	184.5	185.1	185.7	186.2	185.7	185.2	184.7
20,0°	134.4	134.2	134.1	134.0	134.7	135.3	136.0	135.8	135.6	135.4
22,5°	118.4	118.3	118.2	118.2	118.5	118.9	119.3	119.6	119.9	120.2
25,0°	109.6	109.3	109.1	108.8	108.9	109.0	109.1	109.4	109.8	110.1
27,5°	104.3	104.0	103.7	103.4	103.2	103.0	102.9	103.0	103.2	103.4
30,0°	100.4	100.2	100.0	99.8	99.5	99.2	98.8	98.8	98.8	98.8
32,5°	99.1	98.7	98.4	98.0	97.7	97.4	97.1	96.9	96.7	96.6
35,0°	102.2	101.9	101.6	101.3	101.1	100.9	100.7	100.5	100.3	100.1
37,5°	105.3	105.0	104.7	104.4	104.6	104.8	104.9	105.0	105.0	105.1
40,0°	102.9	102.4	102.0	101.6	102.2	102.8	103.4	103.6	103.8	104.0
42,5°	99.8	99.0	98.2	97.3	98.1	98.8	99.6	99.9	100.1	100.4
45,0°	96.2	95.3	94.3	93.3	94.0	94.7	95.4	95.9	96.3	96.7
47,5°	90.7	89.6	88.5	87.5	88.3	89.1	89.9	90.4	90.9	91.4
50,0°	85.0	83.5	82.0	80.5	81.6	82.7	83.8	84.3	84.9	85.4
52,5°	79.1	77.5	75.8	74.1	75.4	76.6	77.9	78.3	78.6	79.0
55,0°	72.8	71.3	69.8	68.4	69.7	71.0	72.3	72.7	73.1	73.4
57,5°	66.1	64.6	63.1	61.6	63.0	64.4	65.8	66.1	66.5	66.8
60,0°	59.6	57.9	56.1	54.3	55.5	56.7	57.9	58.5	59.1	59.7
62,5°	52.9	51.3	49.6	48.0	48.8	49.6	50.4	51.3	52.2	53.0
65,0°	45.4	44.2	43.0	41.8	42.6	43.3	44.1	44.7	45.3	45.9
67,5°	38.3	37.5	36.8	36.0	36.7	37.5	38.2	38.7	39.2	39.6
70,0°	31.9	31.3	30.8	30.3	31.0	31.7	32.4	32.7	33.0	33.3
72,5°	25.9	25.6	25.3	25.0	25.5	26.0	26.5	26.7	26.9	27.1
75,0°	20.9	20.5	20.1	19.6	20.0	20.4	20.8	20.9	21.0	21.1
77,5°	15.9	15.4	14.9	14.5	14.8	15.1	15.4	15.4	15.5	15.6
80,0°	10.4	10.2	9.9	9.7	9.9	10.0	10.1	10.1	10.0	9.9
82,5°	5.7	5.6	5.5	5.4	5.5	5.5	5.6	5.5	5.4	5.4
85,0°	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1
87,5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7782F5K1A EAN: 4058352854983	LP number 59305_20
Table of values for luminous intensities		Maximum luminous intensity

C-planes γ	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-zone	Total Phi-zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
Luminous intensity in cd/klm										Luminous flux in lm/klm	
0,0°	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	12348.1	18.5	18.5
2,5°	11704.4	11695.7	11686.9	11645.2	11603.6	11561.9	11563.0	11564.1	11565.1	139.7	158.2
5,0°	9110.0	9095.6	9081.1	8940.8	8800.6	8660.3	8659.8	8659.4	8658.9	213.7	371.9
7,5°	4772.8	4773.6	4774.4	4699.1	4623.7	4548.4	4547.8	4547.2	4546.6	166.3	538.2
10,0°	1560.2	1553.8	1547.4	1523.7	1500.0	1476.3	1480.8	1485.4	1490.0	72.9	611.1
12,5°	479.8	481.9	484.0	474.2	464.5	454.7	460.6	466.5	472.4	29.1	640.2
15,0°	275.0	274.5	274.0	272.5	271.0	269.5	269.7	270.0	270.3	19.5	659.7
17,5°	184.6	184.6	184.5	183.4	182.3	181.2	181.7	182.1	182.6	15.2	674.8
20,0°	136.0	136.6	137.2	136.7	136.3	135.8	136.1	136.4	136.7	12.7	687.6
22,5°	120.6	121.0	121.3	121.0	120.7	120.4	120.4	120.5	120.6	12.6	700.1
25,0°	110.3	110.5	110.7	110.6	110.5	110.4	110.4	110.4	110.5	12.7	712.9
27,5°	103.5	103.5	103.6	103.7	103.7	103.8	103.9	103.9	104.0	13.1	726.0
30,0°	98.9	99.0	99.0	99.2	99.4	99.6	99.5	99.4	99.3	13.6	739.6
32,5°	96.5	96.5	96.5	96.5	96.6	96.6	96.7	96.9	97.0	14.3	753.9
35,0°	99.9	99.8	99.7	99.7	99.7	99.7	99.9	100.0	100.2	15.8	769.7
37,5°	104.9	104.6	104.4	104.2	104.1	103.9	104.1	104.3	104.5	17.5	787.1
40,0°	103.6	103.3	102.9	102.3	101.7	101.1	101.5	101.9	102.3	18.1	805.2
42,5°	100.0	99.6	99.2	98.5	97.9	97.2	98.0	98.8	99.6	18.3	823.5
45,0°	96.2	95.7	95.2	94.7	94.1	93.6	94.4	95.1	95.9	18.4	842.0
47,5°	90.8	90.2	89.6	88.9	88.3	87.7	88.2	88.8	89.4	18.1	860.0
50,0°	84.6	83.7	82.8	82.0	81.2	80.4	81.2	81.9	82.6	17.4	877.4
52,5°	78.1	77.2	76.2	75.5	74.7	74.0	74.9	75.9	76.8	16.6	894.1
55,0°	72.4	71.4	70.4	69.8	69.2	68.6	68.9	69.2	69.5	15.9	909.9
57,5°	65.9	65.0	64.1	63.3	62.5	61.7	61.8	61.9	62.0	14.8	924.7
60,0°	58.7	57.6	56.5	55.7	54.9	54.1	54.3	54.6	54.9	13.4	938.2
62,5°	51.9	50.7	49.5	48.9	48.3	47.7	48.0	48.3	48.7	12.1	950.3
65,0°	45.0	44.1	43.2	42.6	42.0	41.3	41.7	42.1	42.6	10.8	961.1
67,5°	38.8	38.0	37.2	36.7	36.2	35.7	36.0	36.3	36.6	9.5	970.6
70,0°	32.7	32.2	31.6	31.2	30.7	30.2	30.5	30.8	31.1	8.1	978.7
72,5°	26.7	26.3	25.9	28.1	30.4	32.7	30.3	28.0	25.6	7.1	985.8
75,0°	20.8	20.6	20.3	20.1	19.8	19.6	18.9	18.3	17.6	5.3	991.1
77,5°	15.4	15.1	14.9	14.7	14.5	14.3	14.6	14.8	15.0	4.0	995.1
80,0°	9.9	9.8	9.8	9.7	9.6	9.5	9.6	9.7	9.8	2.7	997.8
82,5°	5.4	5.4	5.4	5.3	5.3	5.2	5.3	5.4	5.5	1.5	999.3
85,0°	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2	0.6	999.9
87,5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7782F5K1A EAN: 4058352854983	LP number 59305_20
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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	33510	270.2	286.6	278.4
95	241	252	31795	251.7	266.7	259.2
90	229	250	30212	235.3	249.3	242.3
85	216	248	28497	218.2	231.1	224.6
80	203	246	26782	201.9	213.8	207.8
75	190	243	25067	186.3	197.0	191.6
70	178	241	23483	172.4	182.3	177.4
65	165	238	21768	157.7	166.8	162.2
60	152	235	20053	143.6	151.7	147.6
55	140	232	18470	130.9	138.3	134.6
50	127	229	16755	117.5	124.1	120.8
45	114	225	15040	104.2	110.4	107.3
40	102	221	13457	92.5	97.6	95.0
35	89	216	11742	80.0	84.4	82.2
30	76	210	10027	67.9	71.6	69.8
25	63	203	8312	56.3	59.2	57.8
20	51	195	6728	45.8	48.1	47.0
15	38	184	5013	34.7	36.5	35.6
12	31	177	4090	28.9	30.3	29.6