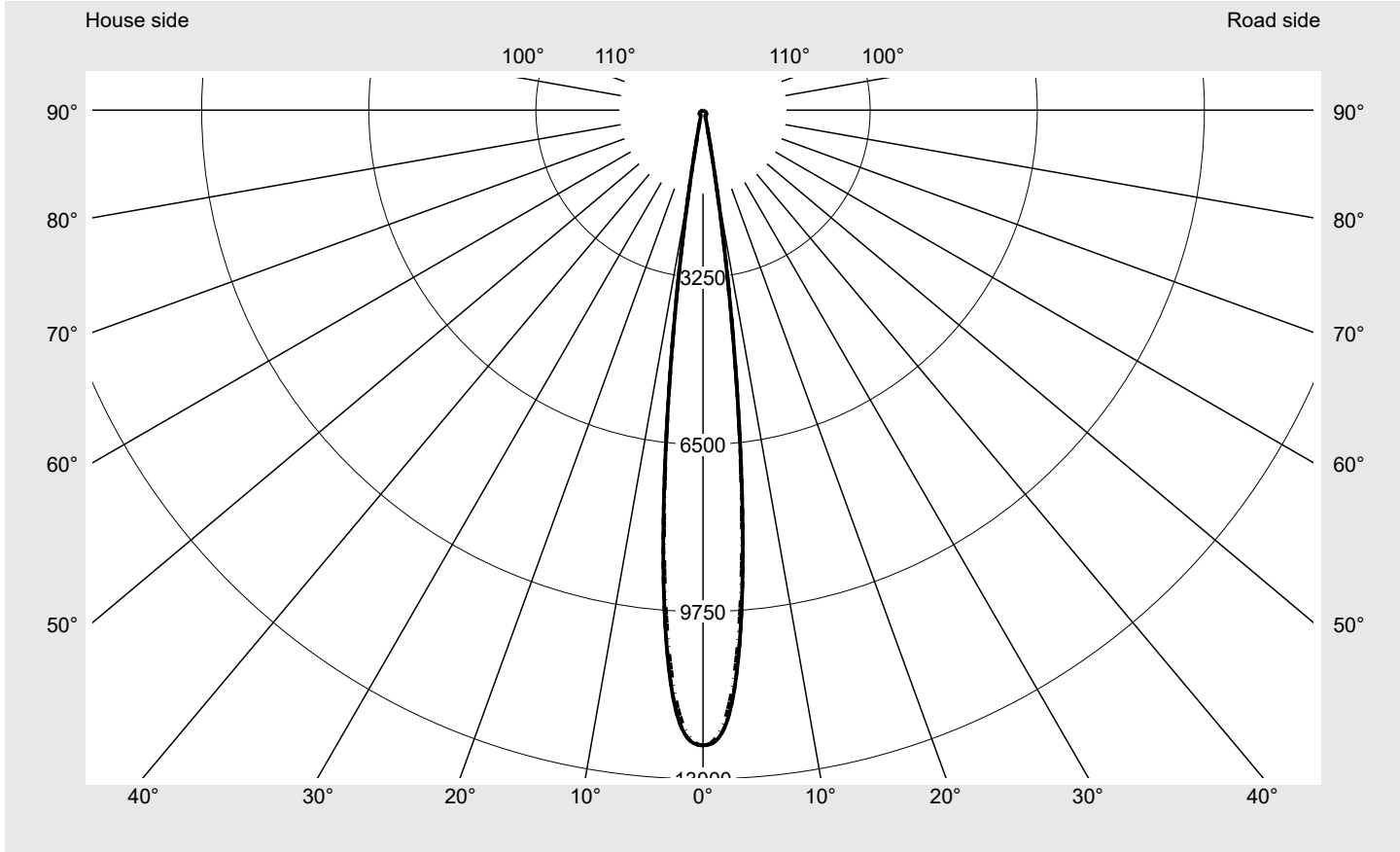


Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7781E6K1A EAN: 4058352852774	LP number 59305_16
	Version mounting bracket Optic symmetric distribution RS7 Cover toughened safety glass Lamps LED 5700 K CRI ≥ 90 Controlgear ECG SITECO iQ Rated values Net luminous flux = 21600 lm Power consumption = 208.1 W Luminous efficacy = 103.8 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

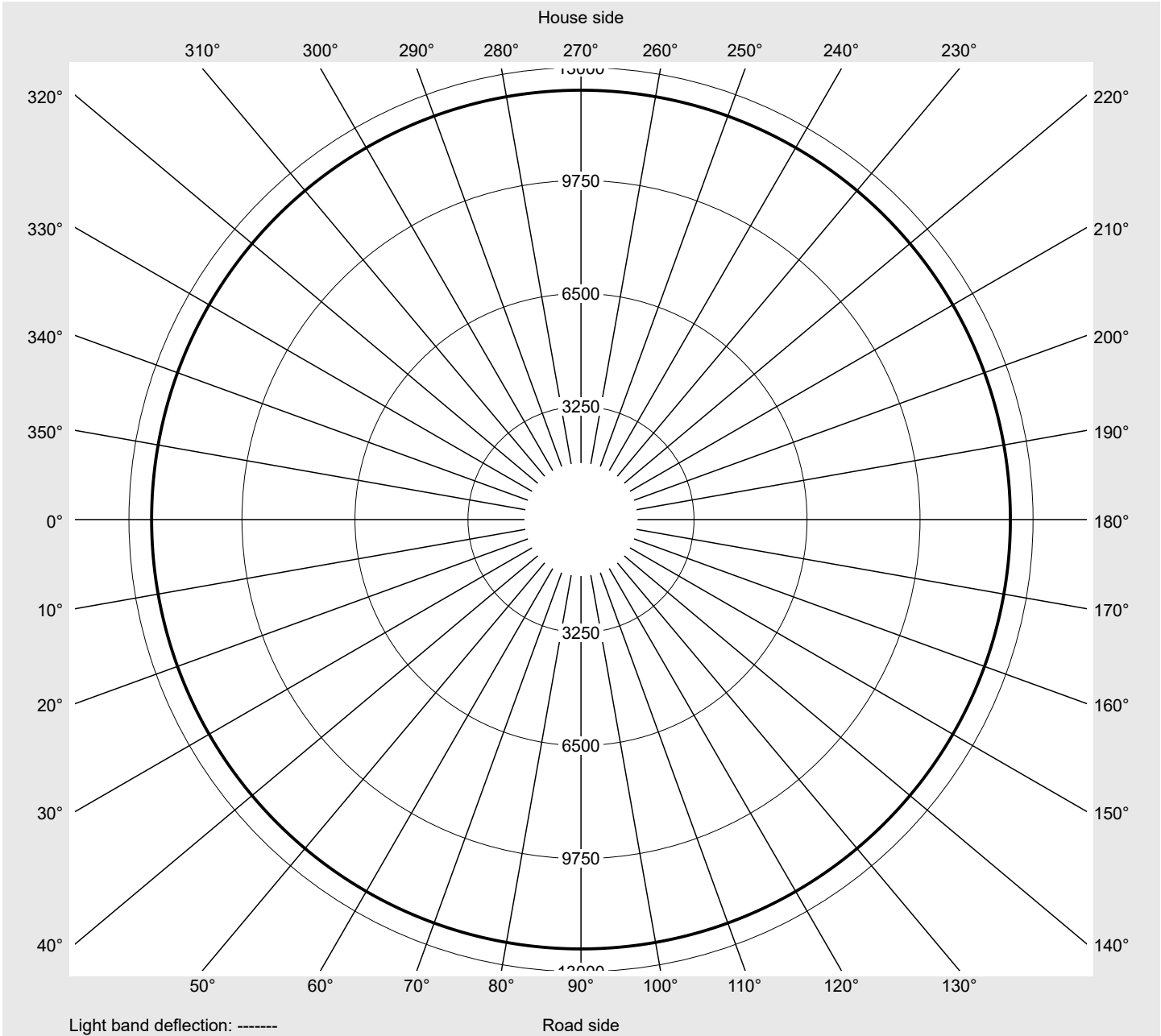
Photometric test report

Family
Floodlight FL21 midi

Order number: 5XA7781E6K1A
EAN: 4058352852774

LP number
59305_16

Envelope curve in cd/klm **KMK 0°**



Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7781E6K1A EAN: 4058352852774	LP number 59305_16
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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: 5XA7781E6K1A EAN: 4058352852774	LP number 59305_16
Table of values for luminous intensities		Maximum luminous intensity

C-planes	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-zone	Total Phi-zone	
	130°	125°	120°	115°	110°	105°	100°	95°				
	230°	235°	240°	245°	250°	255°	260°	265°	270°			
	310°	305°	300°	295°	290°	285°	280°	275°				
γ	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.5	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	0.0	1000.0

Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7781E6K1A EAN: 4058352852774	LP number 59305_16
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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	21600	208.1	227.1	217.6
95	241	252	20494	193.9	211.3	202.6
90	229	250	19474	181.2	197.5	189.4
85	216	248	18369	168.0	183.0	175.5
80	203	246	17263	155.3	168.9	162.1
75	190	243	16157	143.2	155.5	149.4
70	178	241	15137	132.3	143.7	138.0
65	165	238	14031	120.9	131.3	126.1
60	152	235	12926	110.1	119.4	114.8
55	140	232	11906	100.2	108.8	104.5
50	127	229	10800	90.0	97.5	93.8
45	114	225	9694	80.0	86.6	83.3
40	102	221	8674	70.9	76.9	73.9
35	89	216	7569	61.5	66.5	64.0
30	76	210	6463	52.3	56.5	54.4
25	63	203	5357	43.7	47.0	45.4
20	51	195	4337	35.9	38.5	37.2
15	38	184	3231	27.7	29.6	28.6
13	32	178	2721	24.0	25.5	24.8