

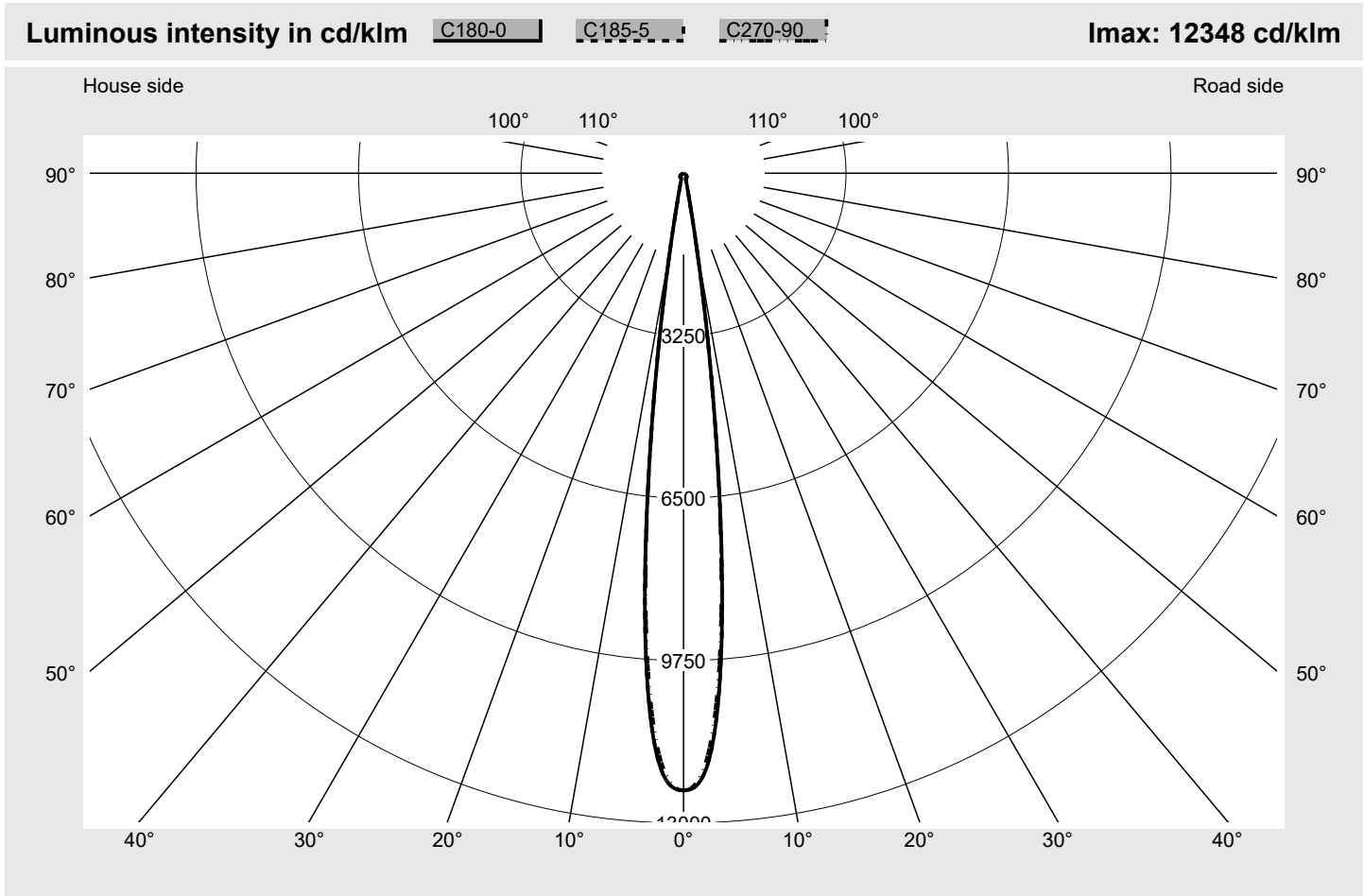


Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7781F6K1A EAN: 4058352853252	LP number 59305_21
	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 = 28760 lm Power consumption = 270.2 W Luminous efficacy = 106.4 lm/W	serial documentation 22.08.2023







Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

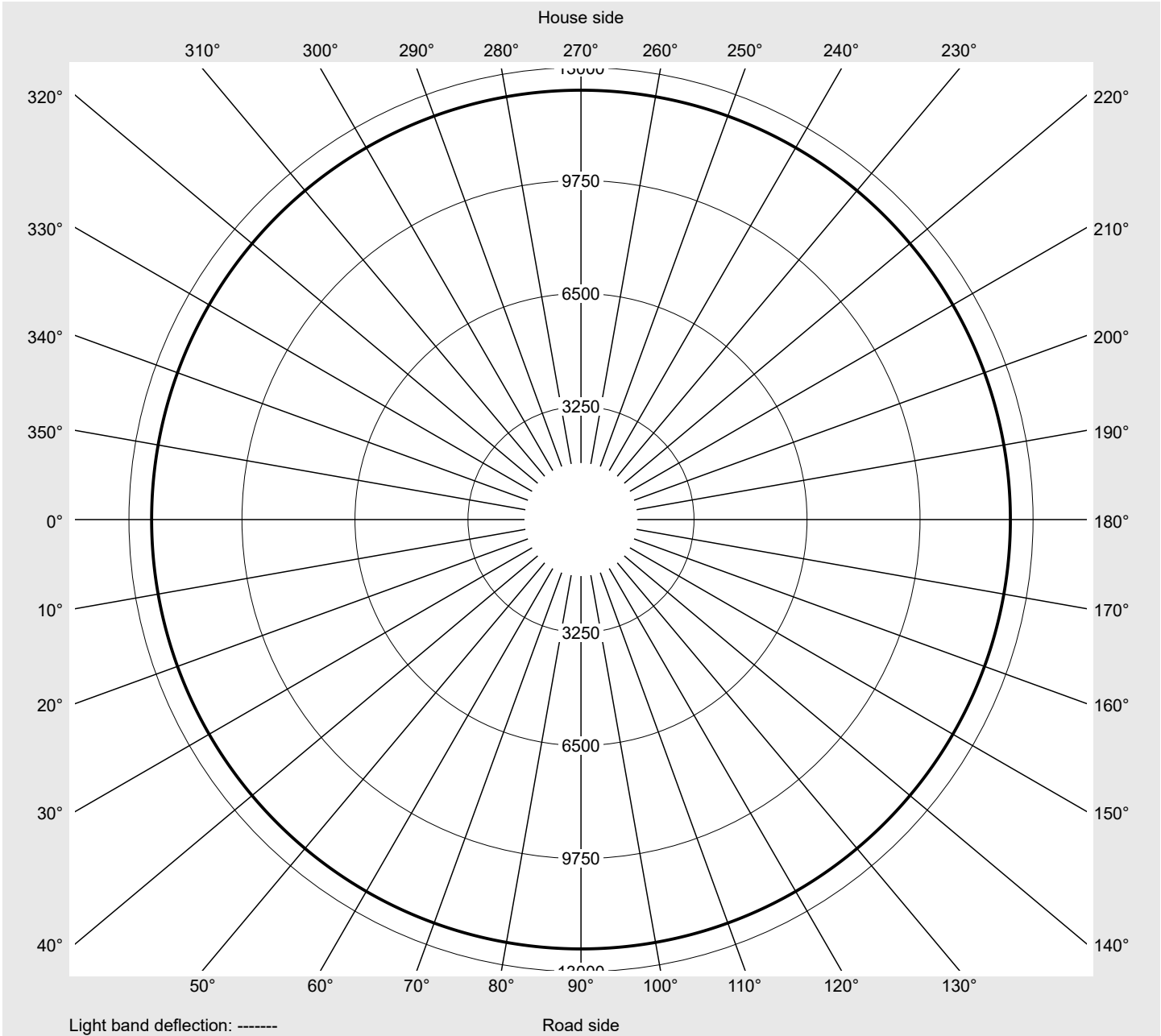
Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	33.3
Imax 80°	10.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7781F6K1A EAN: 4058352853252	LP number 59305_21
---------------------------------------	--	------------------------------

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



Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7781F6K1A EAN: 4058352853252	LP number 59305_21
---------------------------------------	--	------------------------------



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: 5XA7781F6K1A EAN: 4058352853252	LP number 59305_21
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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: 5XA7781F6K1A EAN: 4058352853252	LP number 59305_21
---------------------------------------	--	------------------------------

Dimming levels table	environmental temperature: 25°C	siteco
-----------------------------	---------------------------------	---------------

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	28760	270.2	286.6	278.4
95	241	252	27288	251.6	266.7	259.2
90	229	250	25929	235.2	249.2	242.2
85	216	248	24457	218.2	231.0	224.6
80	203	246	22985	201.9	213.7	207.8
75	190	243	21513	186.2	197.0	191.6
70	178	241	20155	172.3	182.2	177.2
65	165	238	18683	157.6	166.7	162.1
60	152	235	17211	143.5	151.6	147.6
55	140	232	15852	130.8	138.3	134.6
50	127	229	14380	117.4	124.0	120.7
45	114	225	12908	104.1	110.3	107.2
40	102	221	11549	92.4	97.5	95.0
35	89	216	10077	79.9	84.3	82.1
30	76	210	8605	67.8	71.5	69.6
25	63	203	7133	56.2	59.2	57.7
20	51	195	5775	45.7	48.1	46.9
15	38	184	4303	34.7	36.5	35.6
12	31	177	3510	28.8	30.2	29.5