

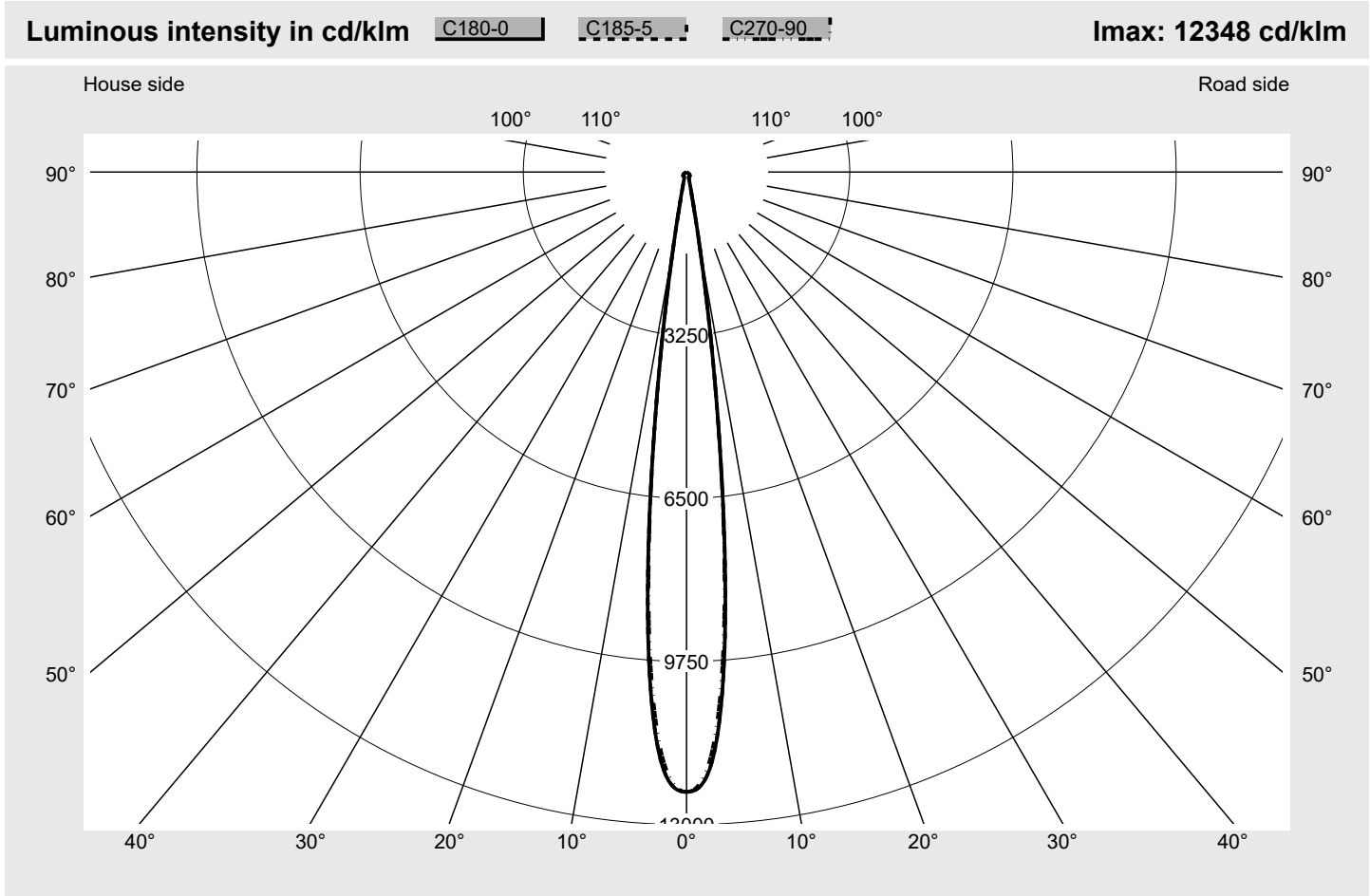


# Photometric test report

<b>Family</b> <b>Floodlight FL21 midi</b>	<b>Order number: 5XA7782E4K1A</b> <b>EAN: 4058352854006</b>	<b>LP number</b> <b>59305_14</b>
	<b>Version</b> mounting bracket <b>Optic</b> symmetric distribution RS7 <b>Cover</b> toughened safety glass <b>Lamps</b> LED 4000 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Rated values</b> Net luminous flux = 28120 lm Power consumption = 208.1 W Luminous efficacy = 135.1 lm/W	<b>serial documentation</b> <b>22.08.2023</b>
		



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

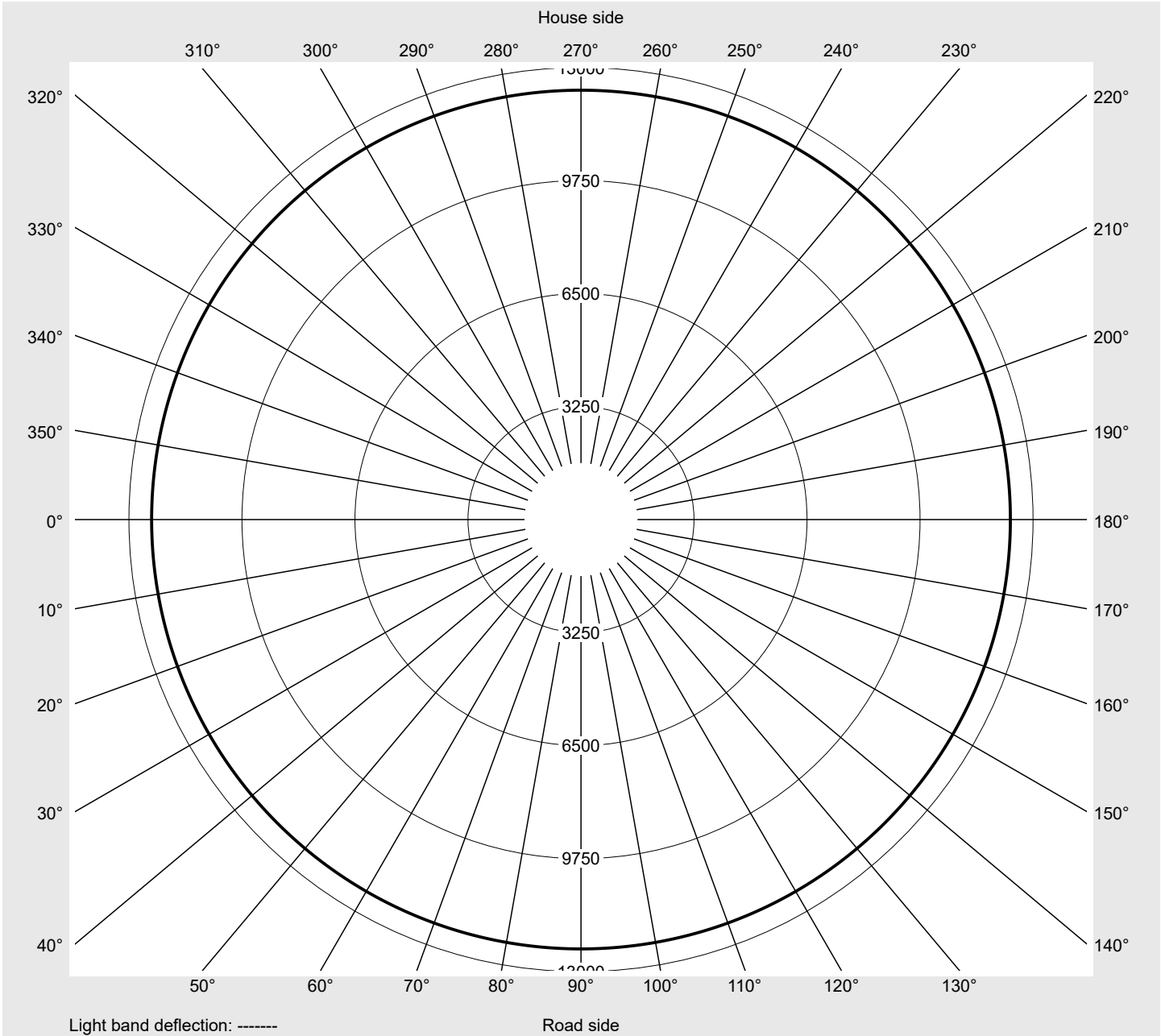
Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	33.3
Imax 80°	10.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> <b>Floodlight FL21 midi</b>	<b>Order number: 5XA7782E4K1A</b> <b>EAN: 4058352854006</b>	<b>LP number</b> <b>59305_14</b>
--	--	-------------------------------------

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



## Photometric test report

<b>Family</b> Floodlight FL21 midi	<b>Order number: 5XA7782E4K1A</b> <b>EAN: 4058352854006</b>	<b>LP number</b> 59305_14
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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

<b>Family</b> Floodlight FL21 midi	<b>Order number: 5XA7782E4K1A</b> <b>EAN: 4058352854006</b>	<b>LP number</b> 59305_14
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

**siteco**

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

<b>Family</b> Floodlight FL21 midi	<b>Order number: 5XA7782E4K1A</b> <b>EAN: 4058352854006</b>	<b>LP number</b> 59305_14
---------------------------------------	--	------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
-----------------------------	---------------------------------	---------------

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	28120	208.1	227.1	217.6
95	241	252	26681	193.9	211.3	202.6
90	229	250	25352	181.3	197.6	189.4
85	216	248	23913	168.1	183.1	175.6
80	203	246	22474	155.4	169.1	162.2
75	190	243	21035	143.4	155.7	149.6
70	178	241	19706	132.4	143.9	138.2
65	165	238	18267	121.2	131.5	126.4
60	152	235	16828	110.3	119.6	115.0
55	140	232	15499	100.4	109.0	104.7
50	127	229	14060	90.3	97.8	94.0
45	114	225	12621	80.2	86.9	83.6
40	102	221	11292	71.1	77.1	74.1
35	89	216	9853	61.7	66.7	64.2
30	76	210	8414	52.5	56.7	54.6
25	63	203	6975	43.8	47.1	45.4
20	51	195	5646	36.1	38.7	37.4
15	38	184	4207	27.8	29.7	28.8
13	32	178	3543	24.0	25.6	24.8