

Photometric test report

Family Floodlight FL21 midi

Order number: 5XA7785E2E1A
EAN: 4058352855348

LP number
59252_101

serial
documentation
06.07.2022



Version	mounting bracket
Optic	direct, asymmetric narrow distribution, asymmetric wide distribution A640002
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	EVG-Smart Interface
Rated values	Net luminous flux = 26020 lm Power consumption = 212.4 W Luminous efficacy = 122.5 lm/W

siteco

Luminous intensity in cd/klm

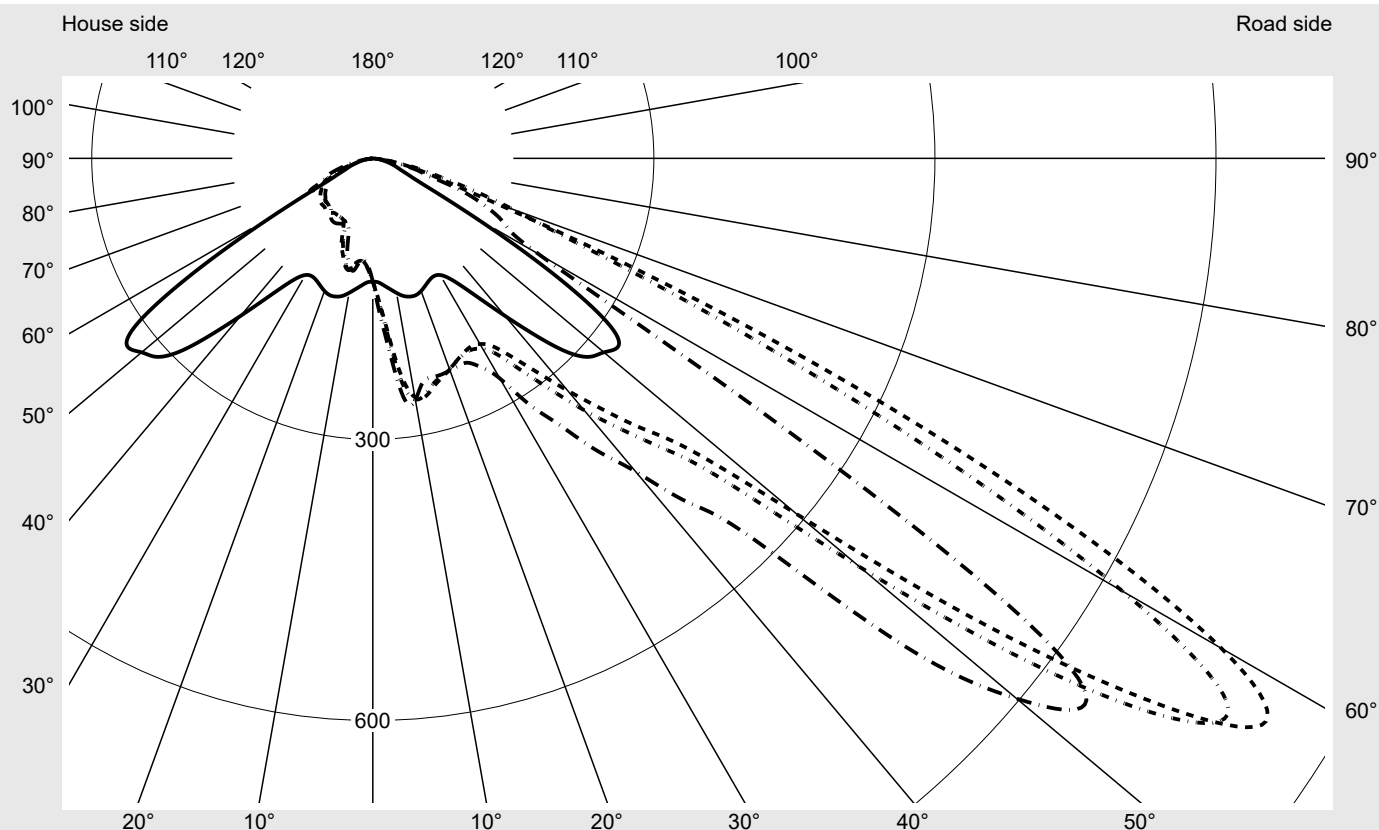
C180-0

C230-50

C235-55

C270-90

Imax: 1125 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

Luminous intensity class acc. to EN13201-2

Class:	G6
Imax 70°	159.0
Imax 80°	26.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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Envelope curve in cd/klm

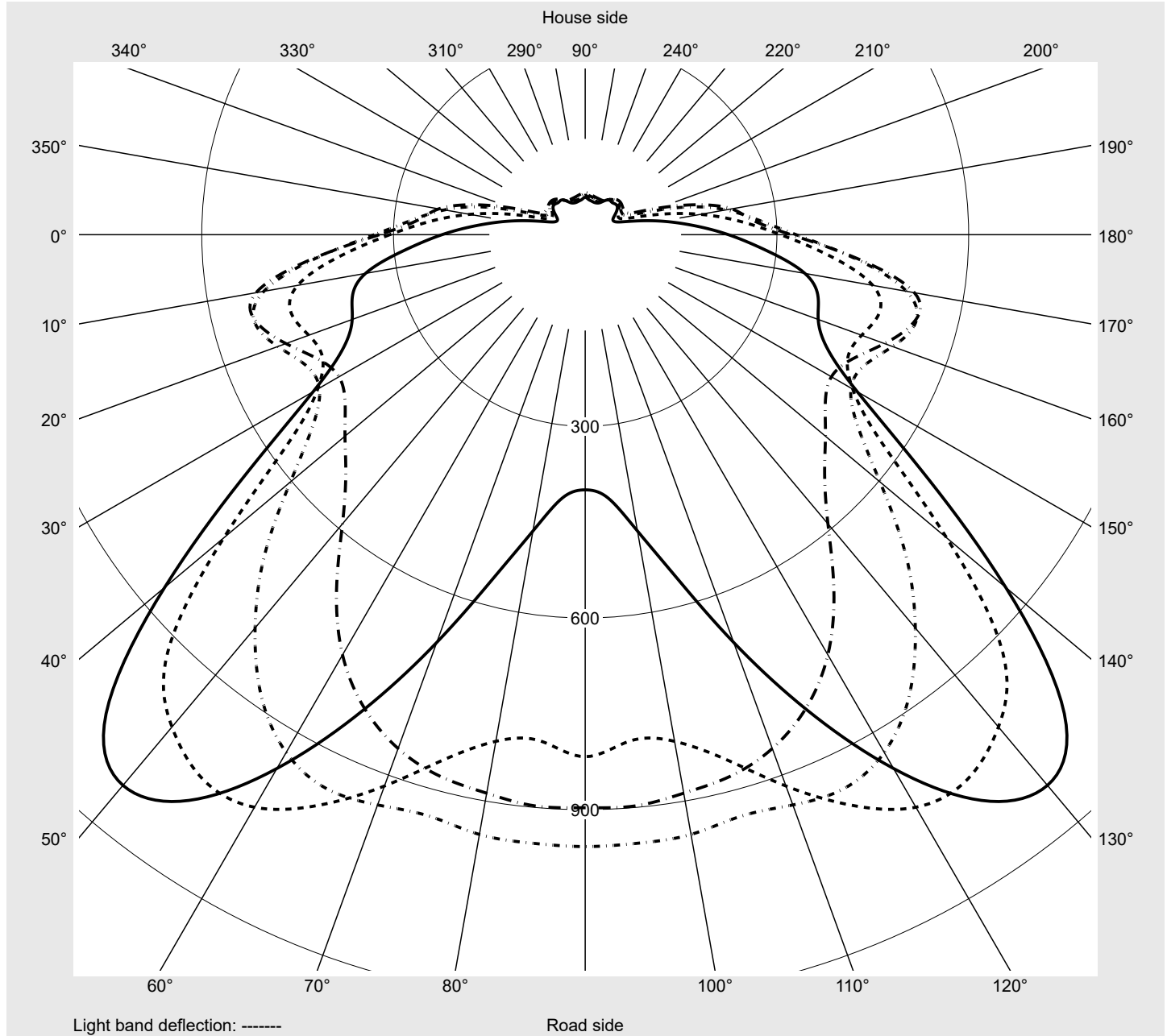
KMK 57.5°

KMK 55°

KMK 52.5°

KMK 50°

siteco



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Table of values for luminous intensities	Maximum luminous intensity	siteco
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C- planes	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Luminous intensity in cd/klm												
0,0°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2,5°	132.4	134.5	136.5	138.6	140.7	142.9	145.0	147.2	149.3	151.1	152.6	154.1	155.5
5,0°	136.2	140.7	145.2	150.1	155.2	160.1	165.5	171.2	177.1	182.6	187.7	192.3	196.7
7,5°	140.7	147.8	155.4	163.1	171.8	181.2	191.0	201.4	212.6	224.1	234.3	242.3	248.0
10,0°	145.8	155.5	166.0	177.1	189.8	203.4	219.6	236.2	247.5	254.2	258.8	261.3	262.6
12,5°	150.4	163.4	176.8	191.2	208.5	228.7	244.2	253.7	259.4	261.0	260.3	258.1	255.4
15,0°	152.7	169.1	184.5	203.0	225.6	243.0	253.7	258.5	258.2	255.7	252.1	249.2	247.0
17,5°	153.0	171.4	189.1	213.7	236.0	249.5	254.3	253.6	250.3	247.3	245.3	243.9	243.1
20,0°	150.7	170.1	191.9	220.1	239.7	247.8	247.7	244.7	242.2	240.9	239.8	239.4	239.0
22,5°	146.9	167.3	194.1	222.9	239.1	241.1	238.4	236.2	234.8	234.0	233.9	234.1	234.5
25,0°	143.3	166.0	197.5	224.2	235.4	233.9	231.7	229.8	228.3	228.4	229.2	230.5	231.6
27,5°	141.6	168.5	202.2	227.6	232.9	229.8	227.0	224.2	223.4	224.5	226.5	230.0	233.3
30,0°	143.8	174.8	209.4	232.3	233.6	228.8	223.8	220.7	220.7	223.4	228.9	235.1	241.0
32,5°	151.9	186.1	221.0	239.6	236.5	229.5	222.7	220.1	222.5	229.3	237.7	248.7	261.9
35,0°	167.3	204.1	238.0	252.1	245.3	233.3	225.7	225.6	233.1	243.5	258.5	276.2	294.8
37,5°	189.9	231.0	265.4	275.9	263.2	243.1	234.5	238.8	249.7	266.6	287.4	310.3	332.0
40,0°	219.4	268.8	310.2	319.3	292.3	261.6	252.6	260.2	275.4	298.0	323.7	350.9	373.9
42,5°	255.2	318.2	376.2	379.5	329.0	294.5	282.7	290.6	310.0	334.9	363.8	392.0	416.1
45,0°	291.7	377.9	460.0	441.3	383.2	346.4	329.7	335.2	356.3	380.6	408.5	437.2	467.1
47,5°	313.5	422.4	510.1	492.7	444.3	404.7	385.1	390.6	412.4	433.9	462.3	509.0	567.3
50,0°	322.1	427.1	523.1	531.8	498.3	460.9	444.9	458.7	490.7	529.8	590.9	678.4	759.4
52,5°	330.0	423.0	510.7	534.9	511.8	482.8	480.3	520.0	602.2	709.6	803.6	883.3	935.9
55,0°	305.8	384.9	457.0	476.1	460.3	453.6	483.4	565.6	738.3	923.8	1005.9	1041.7	1034.9
57,5°	224.1	284.8	349.1	377.3	388.0	416.9	491.6	641.3	859.1	1060.2	1125.2	1081.1	964.9
60,0°	124.1	156.8	227.5	273.2	299.1	350.2	474.4	685.2	902.7	1047.0	1045.9	924.1	734.1
62,5°	63.0	73.0	129.6	185.8	222.2	266.7	381.8	564.4	742.6	853.1	813.5	664.6	495.2
65,0°	42.6	44.9	81.7	136.8	181.2	216.0	273.1	371.7	467.9	543.1	529.6	413.8	301.4
67,5°	32.5	35.5	54.9	89.0	121.0	143.7	166.0	206.7	241.9	283.0	278.9	234.8	203.4
70,0°	27.0	28.2	38.3	54.2	71.1	80.0	89.0	107.6	120.9	125.1	137.6	159.0	148.1
72,5°	22.1	22.7	23.8	26.1	38.7	50.0	53.3	52.6	32.7	50.1	82.7	108.4	102.1
75,0°	17.3	18.2	18.6	20.8	23.8	33.3	35.7	23.9	24.2	34.9	57.1	70.0	68.9
77,5°	12.3	13.6	14.7	16.3	17.7	23.3	23.2	18.2	17.8	23.1	38.9	47.5	44.6
80,0°	8.5	9.4	11.0	12.4	13.8	14.7	14.5	12.5	11.8	14.2	22.7	26.3	22.3
82,5°	5.6	6.1	7.7	9.0	10.5	10.4	9.4	8.1	7.1	7.6	12.0	10.9	9.5
85,0°	2.7	3.3	4.5	5.5	6.0	5.5	4.9	3.8	3.3	2.8	2.9	2.9	3.1
87,5°	1.1	1.2	1.4	1.6	1.6	1.4	1.2	1.0	1.0	1.0	1.0	1.0	1.1
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Table of values for luminous intensities										Maximum luminous intensity		siteco	
C- planes	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Luminous intensity in cd/klm												
0,0°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2,5°	156.6	157.4	158.2	158.9	159.9	164.9	130.5	128.8	127.2	125.6	124.1	122.9	121.7
5,0°	200.7	204.1	206.9	209.2	211.1	208.1	131.9	128.2	124.8	121.9	119.3	117.2	115.4
7,5°	251.8	254.5	256.3	257.6	258.6	259.4	134.3	128.8	124.2	120.6	117.6	115.5	113.8
10,0°	262.9	262.7	261.8	261.0	260.3	261.7	137.0	130.1	124.5	120.7	117.9	115.7	114.0
12,5°	252.7	250.4	248.2	246.5	245.3	245.4	139.2	130.7	124.9	121.4	118.5	116.9	118.0
15,0°	245.6	244.4	243.3	242.3	241.7	242.0	139.2	129.7	124.3	121.2	119.6	121.5	122.0
17,5°	242.5	242.2	242.0	241.8	241.8	242.1	136.8	126.8	122.1	119.9	122.3	121.8	120.9
20,0°	238.9	239.1	239.3	239.7	240.2	240.8	132.5	122.8	118.8	120.6	120.8	119.0	112.3
22,5°	234.9	235.5	236.2	237.3	238.6	239.5	127.6	118.5	117.1	120.1	117.2	110.8	103.0
25,0°	232.8	234.3	236.2	238.3	240.1	240.7	123.8	115.5	117.5	117.1	112.7	102.5	95.4
27,5°	235.5	237.9	241.2	245.0	248.0	251.6	122.0	114.1	119.1	114.4	104.9	95.8	88.1
30,0°	247.1	253.8	260.5	267.0	271.5	271.3	123.0	116.1	119.8	111.9	98.9	90.2	79.8
32,5°	273.6	283.7	292.5	300.5	305.7	312.0	128.5	123.1	121.2	108.8	94.1	84.0	75.1
35,0°	310.3	322.7	333.0	341.7	347.8	347.3	139.5	135.3	123.3	105.0	89.7	77.9	73.4
37,5°	350.9	365.7	376.4	385.0	391.1	393.4	155.8	149.6	126.9	103.3	85.9	75.6	73.2
40,0°	394.0	410.6	422.4	431.0	437.2	436.5	178.6	167.3	134.1	105.7	84.0	76.1	74.0
42,5°	437.8	455.4	469.6	480.6	488.5	498.0	204.1	186.9	144.7	111.1	85.3	76.9	74.4
45,0°	496.1	523.4	548.1	567.3	579.9	574.6	230.4	207.0	158.8	119.3	86.5	76.9	75.2
47,5°	622.1	667.2	704.9	729.3	744.5	772.1	248.7	221.2	172.9	124.8	85.9	75.9	75.1
50,0°	817.7	856.0	877.6	887.8	897.6	897.0	262.7	232.7	181.0	121.5	80.7	72.4	72.3
52,5°	957.0	949.9	942.3	953.3	956.1	957.8	270.4	223.5	168.0	104.5	72.0	66.7	68.0
55,0°	985.4	918.4	850.3	805.3	795.7	817.1	242.5	183.3	124.3	77.7	60.2	59.3	63.2
57,5°	820.8	679.3	557.4	471.0	414.0	399.4	168.5	121.8	83.1	58.3	49.6	50.4	58.2
60,0°	565.9	416.9	291.2	218.8	201.8	204.1	98.5	76.3	60.2	49.5	42.7	42.5	51.4
62,5°	352.9	225.2	172.1	164.4	165.0	163.5	62.0	53.1	50.9	44.0	38.6	37.9	42.6
65,0°	215.8	157.2	148.0	144.2	146.1	148.1	45.1	41.3	45.0	39.4	35.9	35.1	37.7
67,5°	155.8	138.1	133.4	129.5	129.8	126.1	35.6	35.3	36.1	34.5	32.8	32.2	34.9
70,0°	123.4	120.3	112.5	104.4	99.6	99.7	28.5	30.8	31.5	31.1	29.5	29.2	32.2
72,5°	90.4	88.2	79.7	70.9	68.2	63.4	23.2	24.9	27.7	26.3	25.0	25.2	27.5
75,0°	64.4	59.0	56.6	51.9	49.2	49.4	19.3	20.8	21.2	21.1	20.8	20.7	21.5
77,5°	39.1	35.8	37.0	39.4	36.6	32.0	13.8	15.5	15.5	15.5	15.9	15.5	15.0
80,0°	19.4	19.5	22.1	22.4	19.3	18.9	9.2	10.4	10.5	10.7	10.7	10.1	9.5
82,5°	9.4	9.3	10.3	10.0	8.2	7.7	5.7	6.3	6.7	6.6	6.3	5.9	5.5
85,0°	3.1	3.0	2.9	2.9	2.8	3.0	2.9	3.2	3.4	3.2	3.1	2.9	2.7
87,5°	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.2	1.2
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Family Floodlight FL21 midi		Order number: 5XA7785E2E1A EAN: 4058352855348										LP number 59252_101	
Table of values for luminous intensities										Maximum luminous intensity		sīTeco	
C- planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm										Luminous flux in lm/klm		
0,0°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	0.2	0.2
2,5°	120.5	119.5	118.5	117.8	117.0	116.5	116.1	115.8	115.6	115.3	115.3	1.6	1.8
5,0°	113.8	112.6	111.6	110.9	110.4	110.0	109.7	109.6	109.4	109.1	109.2	3.5	5.3
7,5°	112.5	111.3	110.4	110.0	110.0	110.3	110.8	111.4	111.9	112.1	112.2	5.9	11.2
10,0°	113.2	113.9	115.3	116.9	118.0	118.9	120.0	120.9	121.7	122.0	122.0	8.4	19.6
12,5°	119.7	120.5	121.6	122.0	120.4	118.5	116.9	115.9	115.3	114.8	114.6	10.5	30.1
15,0°	122.1	120.5	116.5	113.3	110.9	109.0	107.6	106.7	106.1	105.6	105.2	12.5	42.6
17,5°	115.7	110.7	106.8	103.7	101.2	98.4	94.9	91.4	88.7	87.1	86.6	14.2	56.8
20,0°	106.2	101.5	97.6	92.5	85.4	80.0	77.7	77.1	77.0	77.0	76.9	15.6	72.4
22,5°	97.2	91.7	83.1	76.4	74.6	74.5	74.9	75.4	75.7	76.0	76.1	16.9	89.3
25,0°	88.7	78.4	73.8	72.9	73.0	73.6	74.4	75.3	76.2	76.8	77.1	18.3	107.7
27,5°	77.4	72.9	71.9	71.8	72.1	72.9	74.3	75.8	77.2	78.1	78.5	19.9	127.6
30,0°	73.6	71.9	71.4	71.4	71.7	72.7	74.5	76.4	78.1	79.3	79.7	22.0	149.6
32,5°	72.5	71.5	71.3	71.0	71.4	72.5	74.3	76.4	78.2	79.3	79.6	24.7	174.3
35,0°	72.1	71.7	71.3	71.2	71.2	72.0	73.0	74.5	76.2	77.3	77.7	28.1	202.4
37,5°	72.9	73.2	73.4	72.0	70.5	70.0	70.4	71.0	71.9	72.8	73.3	32.3	234.7
40,0°	73.9	75.3	75.1	71.5	68.7	66.7	66.6	67.4	68.6	69.5	69.9	37.6	272.3
42,5°	74.4	76.4	74.5	69.2	66.0	64.5	64.1	64.7	66.1	67.6	68.3	43.9	316.2
45,0°	75.2	75.9	73.1	68.2	64.3	62.2	61.4	62.3	64.3	66.3	67.4	52.1	368.3
47,5°	75.1	74.8	73.2	67.8	62.7	60.7	60.0	61.4	64.6	67.3	68.4	63.5	431.8
50,0°	74.2	74.8	72.5	67.4	61.7	59.9	60.1	60.9	62.5	64.5	66.0	77.1	508.9
52,5°	72.3	73.4	70.7	67.3	61.5	59.5	57.9	58.1	59.9	61.8	64.0	88.3	597.2
55,0°	69.1	70.8	68.3	66.7	61.9	57.2	55.2	55.5	56.4	58.2	61.7	90.8	688.0
57,5°	65.7	67.4	65.6	66.0	61.7	55.4	52.8	52.5	53.7	55.6	58.5	81.1	769.0
60,0°	61.4	63.0	62.1	63.8	61.7	55.3	51.6	51.0	52.2	56.1	60.3	66.4	835.4
62,5°	52.6	57.3	56.9	60.4	60.7	55.9	51.6	51.3	57.5	69.3	75.4	51.0	886.5
65,0°	43.1	48.7	51.4	55.4	57.9	56.1	52.5	56.3	62.8	61.2	61.7	36.9	923.4
67,5°	37.4	38.3	42.6	48.4	54.0	54.3	53.4	55.3	52.6	53.2	54.3	25.3	948.7
70,0°	32.2	30.9	33.3	40.0	47.3	50.8	51.5	49.0	47.0	48.3	49.4	17.6	966.3
72,5°	25.8	25.0	24.1	28.5	36.2	42.4	45.8	39.0	39.0	39.6	40.0	11.9	978.2
75,0°	19.8	17.8	17.9	20.3	25.4	31.1	36.7	33.2	30.3	30.4	31.0	8.7	986.9
77,5°	13.8	12.8	12.8	14.4	18.1	21.3	25.2	25.0	21.7	21.6	22.2	6.1	993.0
80,0°	8.7	8.6	8.6	9.3	11.7	12.3	13.6	15.3	13.6	13.3	13.5	3.7	996.7
82,5°	5.2	5.1	5.1	5.6	6.8	6.7	6.7	7.3	7.2	6.9	7.1	2.1	998.8
85,0°	2.6	2.5	2.5	2.6	2.8	2.7	2.7	2.6	2.6	2.6	2.6	0.9	999.7
87,5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.3	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	0.0	1000.0

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Family Floodlight FL21 midi	Order number: 5XA7785E2E1A EAN: 4058352855348	LP number 59252_101
Dimming levels table		environmental temperature: 25°C
		siteco

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	26020	212.4	230.9	221.6
95	238	252	24741	198.7	215.9	207.3
90	222	249	23410	185.1	201.1	193.1
85	207	247	22119	172.6	187.3	180.0
80	192	244	20779	160.1	173.6	166.8
75	178	241	19501	148.5	161.0	154.8
70	164	238	18190	137.0	148.4	142.7
65	151	235	16941	126.4	136.8	131.6
60	138	232	15639	115.8	125.3	120.6
55	125	228	14332	105.4	113.9	109.6
50	112	224	12990	94.9	102.5	98.7
45	100	220	11729	85.4	92.1	88.8
40	88	215	10442	75.8	81.7	78.8
35	76	210	9093	66.4	71.5	69.0
30	64	204	7756	57.0	61.2	59.1
25	53	197	6497	48.4	51.8	50.1
20	42	188	5219	39.9	42.6	41.2
15	31	177	3913	31.5	33.5	32.5
14	28	173	3549	29.2	31.0	30.1