

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7775B2F3A
EAN: 4058352657010

LP number
59367_79



Version Mast bracket
Optic asymmetric distribution PL33T
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear EVG-Smart Interface
Rated values Net luminous flux = 6150 lm
 Power consumption = 45.7 W
 Luminous efficacy = 134.6 lm/W

serial
documentation
21.12.2022

siteco

Luminous intensity in cd/klm

C180-0

C240-60

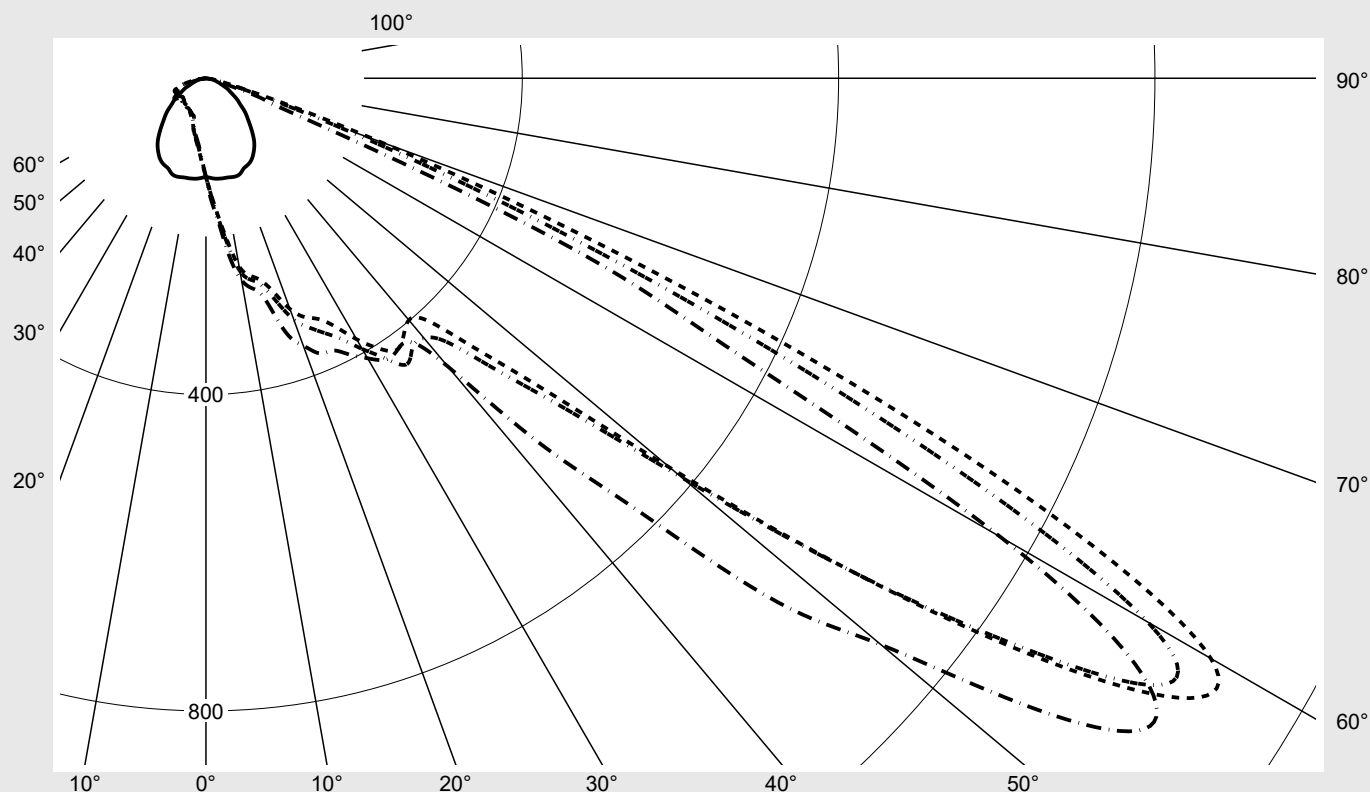
C245-65

C270-90

Imax: 1467 cd/klm

House side

Road side



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°	277.8
Imax 80°	14.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

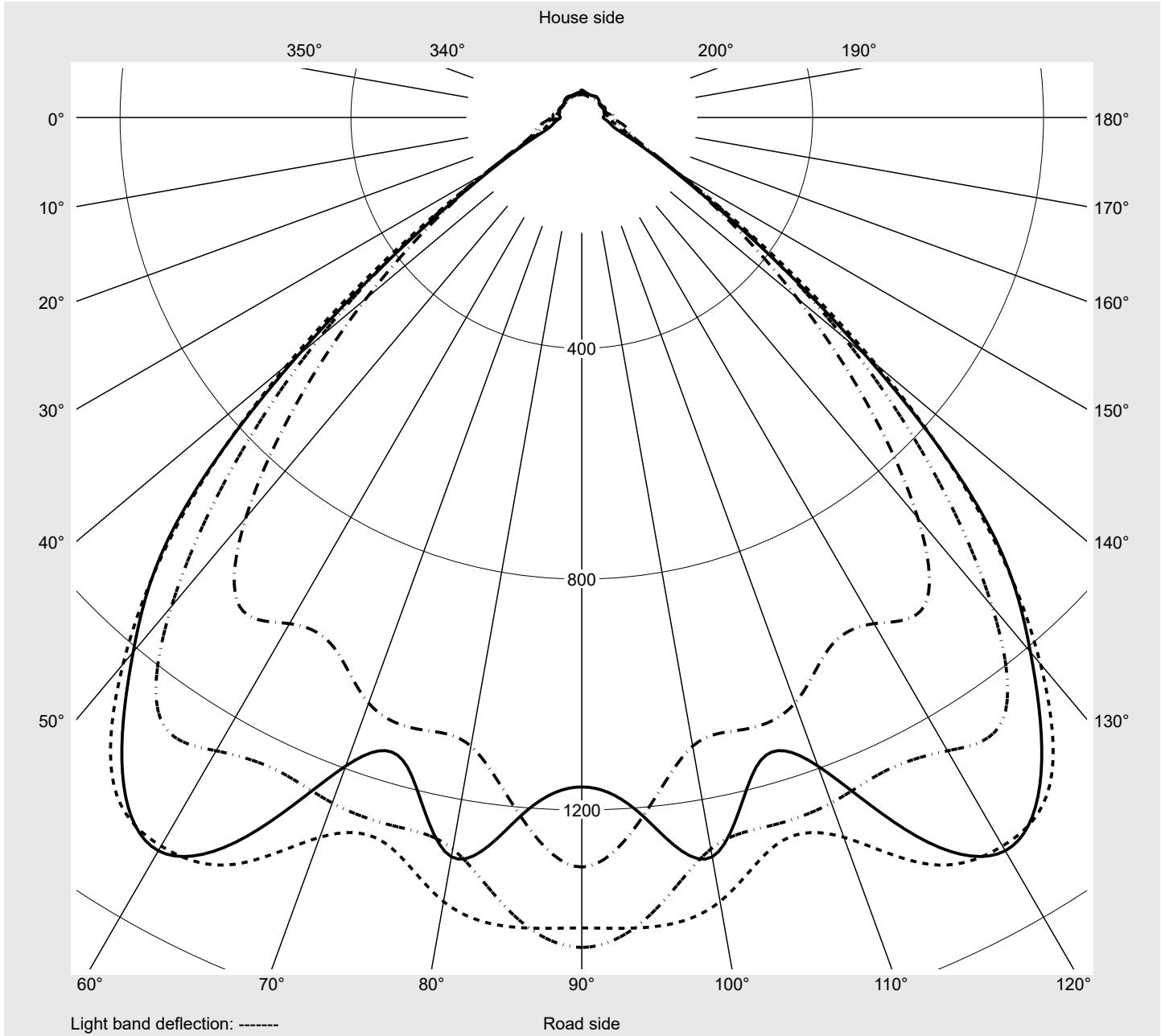
Measurement conditions

DIN EN 13032 and DIN 5032

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Family Floodlight FL21 mini	Order number: 5XA7775B2F3A EAN: 4058352657010	LP number 59367_79
Envelope curve in cd/klm KMK 60° KMK 57.5° KMK 55° KMK 52.5°		

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Family Floodlight FL21 mini		Order number: 5XA7775B2F3A EAN: 4058352657010										LP number 59367_79	
Table of values for luminous intensities										Maximum luminous intensity		siteco	
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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2,5°	126.0	127.9	130.1	132.1	134.1	136.1	137.9	139.7	141.4	143.0	144.4	145.7	146.8
5,0°	127.4	131.7	136.0	140.4	144.8	149.1	153.1	157.1	160.7	164.4	168.0	171.1	174.3
7,5°	128.0	134.1	140.1	146.3	152.5	159.1	165.8	172.9	179.9	187.1	194.2	201.2	207.6
10,0°	128.3	135.8	143.6	152.1	161.4	171.8	182.2	193.1	204.0	215.3	225.7	234.5	241.7
12,5°	128.5	137.9	148.6	159.9	172.1	184.7	196.8	209.7	221.9	232.6	241.8	249.2	255.7
15,0°	129.3	140.4	152.8	165.7	178.4	191.1	204.7	218.1	229.6	239.3	247.6	255.9	264.0
17,5°	129.6	141.7	154.8	168.3	181.5	196.0	210.7	224.7	236.5	246.6	257.9	270.3	282.9
20,0°	127.9	141.3	154.8	168.8	183.7	200.6	218.1	234.3	247.7	260.6	277.3	294.2	310.4
22,5°	123.9	138.6	153.7	168.5	185.5	205.4	226.0	242.9	256.9	273.0	294.9	313.1	326.9
25,0°	122.1	134.7	150.3	167.5	186.2	206.8	229.2	247.0	259.9	278.5	301.2	319.1	335.9
27,5°	120.1	131.0	144.2	164.5	184.3	205.2	227.9	248.2	263.1	284.0	309.2	333.6	354.0
30,0°	116.8	126.8	138.2	159.8	181.0	201.7	227.1	254.8	276.1	301.4	331.2	361.6	381.1
32,5°	111.9	122.6	132.7	154.8	177.0	199.1	229.2	262.8	290.9	318.8	353.4	386.1	404.7
35,0°	106.5	117.5	127.8	149.1	171.1	196.3	231.1	266.8	298.5	327.4	365.0	397.2	419.7
37,5°	100.0	109.6	122.0	141.5	164.5	191.8	231.8	265.0	294.0	323.6	358.1	388.6	410.5
40,0°	92.0	99.5	113.7	132.0	155.8	187.3	230.3	261.2	286.1	316.8	354.9	378.6	399.2
42,5°	83.8	90.5	105.1	122.6	145.8	182.4	231.4	262.2	290.4	333.3	375.7	396.6	416.4
45,0°	76.1	82.7	98.5	116.9	139.3	179.2	232.4	267.7	314.3	379.3	438.6	470.3	485.1
47,5°	69.6	76.1	92.0	108.2	127.7	164.2	218.9	269.7	343.7	433.4	529.7	582.5	588.3
50,0°	62.8	66.1	79.0	91.5	104.4	135.5	193.9	273.2	390.2	530.5	686.4	778.0	766.7
52,5°	54.9	60.6	73.3	82.7	93.1	123.2	190.5	310.9	487.2	696.5	905.7	1034.0	1012.9
55,0°	49.5	54.9	67.0	74.4	85.9	117.3	194.4	353.9	591.4	853.5	1106.0	1272.6	1267.3
57,5°	43.2	47.6	57.7	64.6	77.2	111.2	194.4	371.2	665.6	982.8	1236.4	1413.2	1457.8
60,0°	37.0	41.4	47.5	54.3	69.4	108.2	182.7	341.5	643.7	992.8	1209.2	1387.4	1467.3
62,5°	32.5	35.5	39.7	46.4	59.9	95.3	152.5	268.8	504.3	807.0	995.2	1183.6	1229.3
65,0°	27.8	30.4	34.1	40.3	49.2	70.3	109.4	182.8	335.2	551.3	733.1	891.2	858.8
67,5°	21.9	23.1	27.5	33.2	40.6	51.3	71.7	110.4	192.7	322.0	465.3	546.3	495.6
70,0°	18.7	18.6	20.7	27.7	34.9	41.4	52.4	67.9	101.2	159.2	236.5	277.8	230.1
72,5°	15.2	15.6	16.6	21.8	27.3	31.8	36.7	42.5	53.1	70.9	90.4	103.5	89.8
75,0°	12.5	12.9	13.3	16.0	19.3	21.6	24.1	25.0	28.7	32.9	37.6	42.2	37.5
77,5°	9.8	10.5	10.7	12.0	13.5	14.3	14.9	15.1	16.5	18.1	20.2	21.8	20.5
80,0°	8.0	7.6	7.9	9.3	8.8	8.9	8.7	8.9	9.8	10.1	11.6	11.9	11.3
82,5°	6.5	5.4	5.0	5.9	5.5	5.1	4.7	4.9	5.1	5.4	5.9	6.0	5.6
85,0°	3.4	2.7	2.3	2.3	2.2	2.1	2.1	2.1	2.0	2.2	2.4	2.4	2.4
87,5°	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
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	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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2,5°	147.8	148.4	149.1	149.6	150.1	154.8	124.2	122.3	120.5	118.7	117.1	115.5	114.0
5,0°	177.0	179.3	181.1	182.6	183.6	182.6	123.4	119.5	115.8	112.5	109.3	106.5	103.8
7,5°	213.0	217.2	220.6	223.3	225.4	227.0	122.3	116.9	111.7	107.0	102.7	98.9	95.4
10,0°	247.4	251.8	255.1	257.4	258.9	259.2	121.3	114.5	107.9	102.1	96.7	92.0	88.2
12,5°	260.9	264.6	267.3	269.2	270.7	272.3	119.9	111.7	104.1	97.3	91.3	86.4	82.3
15,0°	270.6	276.4	281.6	286.3	289.7	289.5	118.9	109.0	100.6	92.9	85.9	79.7	75.0
17,5°	295.4	307.1	316.9	324.7	330.4	337.6	117.8	105.6	94.7	86.8	80.0	74.2	69.7
20,0°	324.9	335.8	344.5	351.4	357.6	359.7	113.4	101.0	90.6	82.3	74.6	69.3	65.7
22,5°	341.3	354.9	363.5	369.0	373.3	376.6	110.4	97.3	85.9	76.7	70.1	65.1	60.6
25,0°	355.5	373.0	378.7	378.9	379.2	379.8	107.0	92.6	81.7	73.0	66.5	60.4	55.6
27,5°	372.0	389.5	398.2	397.8	393.7	394.0	102.1	87.2	77.5	69.6	62.5	56.2	53.3
30,0°	395.3	409.5	416.1	413.2	409.9	408.8	97.0	82.9	73.3	66.1	58.0	54.0	51.3
32,5°	419.4	428.6	427.7	421.3	419.0	422.0	92.4	78.8	69.3	61.3	55.6	52.3	49.9
35,0°	441.8	438.1	432.5	424.5	420.4	420.8	87.2	73.9	65.4	57.5	53.5	50.9	48.6
37,5°	429.1	438.1	427.8	420.9	418.3	420.1	82.3	69.3	59.4	54.0	51.4	49.0	46.3
40,0°	428.8	447.2	448.5	451.8	469.8	475.6	76.9	63.9	54.8	51.1	48.9	47.4	45.1
42,5°	453.4	493.2	516.7	541.5	583.5	629.2	72.0	58.2	51.2	48.6	47.1	45.7	43.8
45,0°	524.4	587.2	632.1	679.0	742.6	774.8	67.9	54.0	48.3	46.5	45.3	43.7	42.7
47,5°	622.0	701.2	757.2	800.2	893.6	980.7	63.6	50.5	45.8	44.4	43.8	42.2	41.3
50,0°	785.4	866.2	904.9	931.3	1038.8	1114.2	58.9	47.5	42.8	42.6	42.1	40.8	39.6
52,5°	1014.5	1079.9	1097.3	1106.3	1215.8	1299.0	53.5	45.6	41.6	41.8	41.0	39.5	38.7
55,0°	1248.6	1264.1	1270.2	1287.4	1385.0	1438.3	49.9	44.6	42.2	43.1	43.4	40.6	39.8
57,5°	1428.3	1327.5	1304.2	1379.7	1408.0	1404.5	44.4	42.4	41.6	42.8	41.7	40.6	39.1
60,0°	1375.0	1196.0	1166.0	1301.1	1215.0	1160.1	39.1	39.5	39.7	40.3	39.1	38.2	37.8
62,5°	1067.0	911.0	916.3	978.6	898.4	768.5	33.5	36.1	37.1	36.9	36.7	36.1	36.5
65,0°	696.2	580.9	594.1	585.1	555.5	521.5	29.7	32.7	34.0	33.9	33.3	34.1	35.8
67,5°	381.0	323.8	299.1	240.8	204.0	163.4	26.0	28.0	29.8	29.4	30.4	31.7	34.1
70,0°	171.4	154.0	129.5	82.3	72.3	77.2	20.7	22.1	22.8	24.0	27.6	28.8	30.9
72,5°	70.6	64.7	51.8	39.4	35.7	32.9	16.5	17.7	19.0	20.1	23.9	25.1	26.2
75,0°	33.1	31.3	26.2	22.6	20.4	21.1	13.1	14.3	15.4	16.8	19.8	20.9	21.0
77,5°	19.0	17.7	15.5	14.0	13.0	12.3	10.1	11.3	12.1	13.1	14.8	16.3	15.9
80,0°	10.1	9.6	9.0	8.6	8.2	8.3	7.8	8.3	8.7	9.5	10.8	11.9	12.0
82,5°	5.0	4.9	4.8	4.7	4.7	4.5	6.0	6.4	6.6	6.7	7.6	8.1	8.6
85,0°	2.3	2.3	2.3	2.3	2.3	2.4	3.1	2.9	3.4	3.2	3.2	3.4	3.8
87,5°	1.1	1.1	1.2	1.2	1.2	1.2	0.7	0.8	0.9	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		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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	0.2	0.2		
2,5°	112.6	111.3	110.1	109.1	108.2	107.4	106.8	106.4	106.0	105.7	105.6	1.5	1.7		
5,0°	101.4	99.2	97.3	95.6	94.2	93.0	92.1	91.4	90.8	90.3	90.2	3.2	4.9		
7,5°	92.4	89.9	87.8	86.0	84.4	83.2	82.2	81.5	81.0	80.5	80.4	5.0	9.9		
10,0°	85.0	82.4	80.3	78.5	76.9	75.6	74.7	74.1	73.8	73.6	73.6	7.0	16.9		
12,5°	79.0	76.3	73.9	71.9	70.4	69.4	68.7	68.4	68.3	68.0	67.8	9.0	25.9		
15,0°	71.6	68.7	65.9	63.8	62.4	61.2	60.0	59.1	58.7	58.8	59.0	10.8	36.7		
17,5°	66.4	63.4	60.8	57.3	55.6	54.9	54.1	53.1	51.8	50.8	50.7	13.0	49.7		
20,0°	62.3	57.5	55.0	53.8	53.1	51.9	51.2	50.0	49.5	49.2	49.1	15.3	65.0		
22,5°	56.0	53.7	52.3	51.1	50.0	49.3	48.0	47.5	47.4	47.4	47.3	17.5	82.4		
25,0°	53.4	51.5	49.8	48.5	47.7	46.2	45.6	45.4	45.5	45.7	46.0	19.4	101.8		
27,5°	51.2	49.3	47.3	46.2	44.4	44.0	44.0	44.0	44.4	44.9	45.0	21.5	123.3		
30,0°	49.7	47.1	45.7	44.1	43.2	42.8	42.8	43.0	43.3	43.8	44.0	23.8	147.1		
32,5°	47.6	46.2	45.0	42.8	42.0	42.0	42.1	42.4	43.0	43.3	44.0	26.1	173.3		
35,0°	46.1	45.1	43.5	42.3	41.9	41.8	41.7	42.2	43.0	43.7	43.7	28.1	201.4		
37,5°	45.5	44.5	42.8	42.0	41.9	41.9	41.8	41.9	41.9	42.3	42.4	29.2	230.6		
40,0°	44.5	43.5	42.3	41.7	41.6	41.4	41.2	41.1	41.4	41.8	41.9	30.9	261.5		
42,5°	43.3	42.3	41.1	40.8	40.5	40.4	40.4	40.4	40.6	41.2	41.0	34.7	296.2		
45,0°	42.1	41.3	40.0	39.6	39.3	39.3	39.5	39.6	39.9	40.9	40.7	40.9	337.1		
47,5°	40.0	39.7	39.6	38.7	38.5	38.3	38.7	38.8	39.4	39.2	42.1	48.3	385.5		
50,0°	38.8	38.0	38.6	39.1	38.0	37.8	38.1	37.9	38.8	39.7	39.2	58.1	443.6		
52,5°	38.6	38.1	38.5	38.6	38.2	38.2	38.0	37.9	38.9	39.7	39.5	72.5	516.0		
55,0°	39.1	39.4	40.2	41.2	40.6	40.0	39.6	40.1	41.6	43.5	44.9	87.3	603.3		
57,5°	39.8	41.9	43.1	44.0	43.0	41.9	41.9	42.7	44.3	45.7	47.6	96.4	699.8		
60,0°	39.6	41.9	43.3	43.8	42.8	41.8	41.8	42.6	43.6	44.1	44.2	93.2	793.0		
62,5°	39.2	42.0	43.8	43.5	42.2	41.5	42.2	42.5	41.3	40.0	39.5	76.3	869.3		
65,0°	39.0	42.0	44.0	43.1	42.1	42.4	43.6	42.5	40.5	38.5	39.4	54.2	923.5		
67,5°	37.5	40.5	42.2	42.2	42.1	42.9	43.3	41.5	39.3	38.8	38.6	32.2	955.7		
70,0°	34.0	37.3	36.0	37.9	39.5	41.1	41.7	39.8	38.6	38.2	37.3	18.0	973.7		
72,5°	26.8	27.6	29.6	32.0	34.7	36.6	37.2	35.6	34.1	33.6	31.3	10.1	983.7		
75,0°	21.5	22.3	24.2	26.7	29.5	31.7	31.1	27.1	25.2	23.4	22.2	6.3	990.1		
77,5°	16.0	15.8	18.0	19.1	22.8	23.5	22.6	20.7	17.5	14.1	12.6	4.3	994.4		
80,0°	10.3	10.4	11.8	12.5	13.4	14.1	14.0	12.8	10.7	10.6	10.0	2.8	997.1		
82,5°	7.4	7.4	8.2	8.8	8.4	9.5	9.4	8.5	7.8	8.2	8.1	1.8	998.9		
85,0°	3.6	3.8	4.0	4.4	4.0	4.0	4.1	4.0	3.6	3.7	3.8	0.8	999.7		
87,5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	1.9	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		

Photometric test report

Family Floodlight FL21 mini	Order number: 5XA7775B2F3A EAN: 4058352657010	LP number 59367_79
Dimming levels table		environmental temperature: 25°C

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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W] average
				start of lifetime	end of lifetime	
100	254	254	6150	45.7	48.2	47.0
95	239	252	5834	43.1	45.3	44.2
90	225	250	5534	40.7	42.8	41.8
85	211	247	5231	38.2	40.2	39.2
80	197	245	4922	35.8	37.7	36.8
75	183	242	4609	33.4	35.0	34.2
70	170	239	4313	31.1	32.8	32.0
65	156	236	3989	28.8	30.2	29.5
60	143	233	3683	26.5	27.9	27.2
55	130	229	3374	24.3	25.4	24.8
50	118	226	3085	22.3	23.4	22.8
45	105	222	2767	20.0	21.1	20.6
40	93	217	2469	18.1	18.9	18.5
35	80	212	2143	15.9	16.6	16.2
30	68	206	1838	13.9	14.5	14.2
25	56	199	1529	12.0	12.5	12.2
24	55	198	1503	11.9	12.3	12.1