

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7771D4D2A
EAN: 4058352653647

LP number
59303_102



Version design bracket
Optic asymmetric distribution PL52
Cover toughened safety glass
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 18610 lm
 Power consumption = 143.0 W
 Luminous efficacy = 130.1 lm/W

serial
documentation
26.08.2022

siteco

Luminous intensity in cd/klm

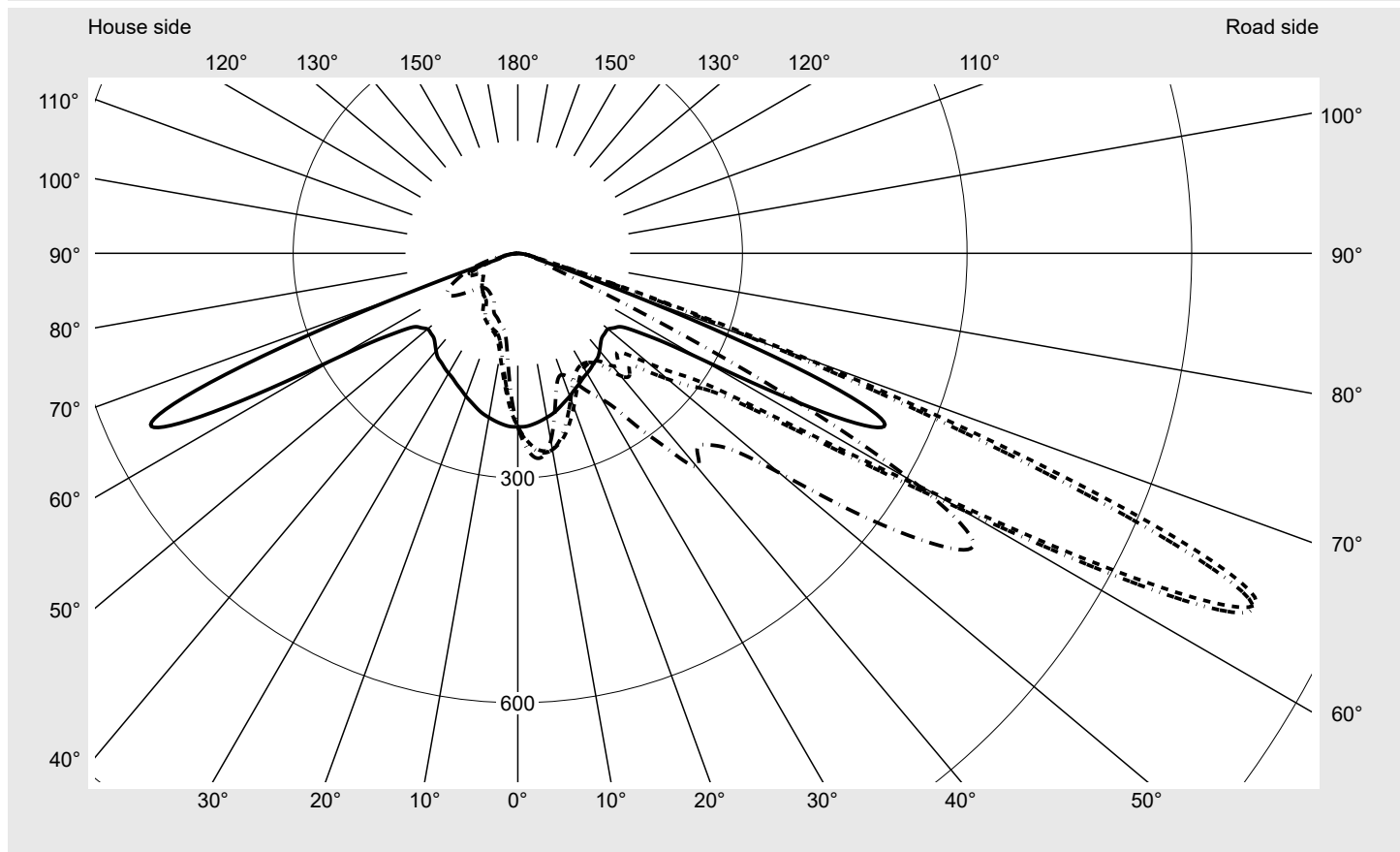
C180-0

C215-35

C220-40

C270-90

Imax: 1086 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:	G4
Imax 70°	458.7
Imax 80°	34.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

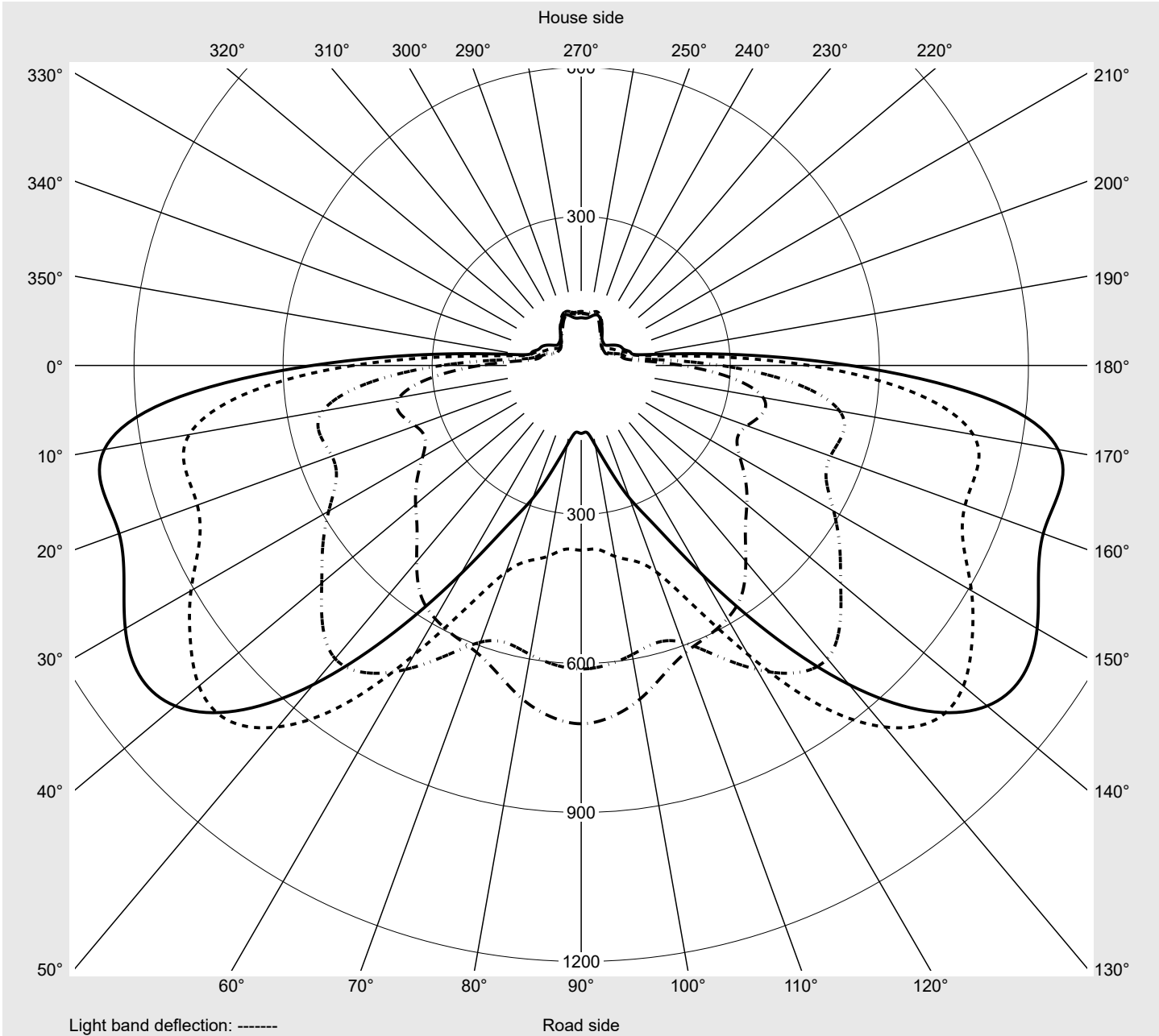
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Floodlight FL21 mini	Order number: 5XA7771D4D2A EAN: 4058352653647	LP number 59303_102
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Envelope curve in cd/klm **KMK 65°** **KMK 62,5°** **KMK 60°** **KMK 57,5°** **siteco**



Photometric test report

Family Floodlight FL21 mini	Order number: 5XA7771D4D2A EAN: 4058352653647	LP number 59303_102
Table of values for luminous intensities		Maximum luminous intensity

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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°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
2,5°	231.5	234.5	237.2	239.9	242.1	244.3	246.4	248.4	250.2	251.6	253.1	254.6	255.7
5,0°	229.3	235.1	240.5	245.6	250.0	254.0	257.5	260.7	263.3	265.4	267.6	269.2	270.7
7,5°	226.2	234.9	242.4	249.0	254.6	259.4	263.2	266.3	268.6	269.8	270.8	271.5	271.7
10,0°	222.5	233.4	242.9	250.6	256.6	261.1	264.1	265.7	266.1	265.2	263.9	262.0	260.3
12,5°	218.7	231.6	242.6	250.5	256.0	259.4	260.3	259.1	256.5	252.4	247.8	242.9	238.0
15,0°	213.5	228.4	239.9	248.4	253.1	254.4	252.5	248.3	241.3	234.5	226.7	219.1	212.6
17,5°	207.9	224.8	237.0	245.2	248.3	246.8	241.7	233.7	224.0	213.8	204.3	195.8	189.0
20,0°	202.9	220.7	233.9	241.3	242.3	238.0	229.5	218.3	206.6	195.3	186.0	179.3	174.9
22,5°	197.4	217.4	230.8	237.1	235.8	228.3	216.6	203.4	190.7	180.7	174.3	171.2	170.7
25,0°	192.8	214.0	228.1	233.3	229.6	219.3	205.3	191.3	180.0	173.2	171.0	172.6	176.3
27,5°	188.1	211.9	226.4	230.2	223.9	211.1	195.6	181.8	173.4	171.3	174.7	181.5	189.2
30,0°	184.9	210.9	226.6	229.5	221.1	205.8	189.7	176.8	171.2	173.6	182.3	194.2	204.9
32,5°	181.7	210.8	227.6	229.3	218.6	201.5	185.7	174.8	172.7	179.7	193.4	209.7	223.3
35,0°	178.1	210.0	229.4	230.0	217.8	199.9	183.9	176.0	178.9	191.2	209.9	231.0	249.7
37,5°	175.4	210.6	231.6	232.2	219.4	200.9	186.3	182.3	191.3	210.3	235.9	263.9	289.1
40,0°	169.8	208.7	231.0	233.7	222.0	205.0	193.8	196.0	213.1	238.5	269.3	300.8	327.7
42,5°	163.7	204.8	228.0	230.0	216.3	199.0	190.4	198.6	220.8	245.1	271.5	296.4	317.0
45,0°	159.0	202.1	226.7	225.9	206.9	185.9	177.4	187.6	211.9	240.6	269.2	293.9	312.6
47,5°	157.8	206.0	234.1	231.9	210.9	189.3	184.8	201.3	231.8	263.5	288.6	307.1	321.7
50,0°	157.4	214.1	248.3	247.0	225.5	204.9	205.6	228.7	261.1	290.4	309.0	319.1	329.1
52,5°	163.2	228.6	268.5	268.3	246.7	228.5	234.7	261.3	291.0	312.6	324.0	330.0	348.1
55,0°	172.1	259.8	301.9	304.0	280.4	263.2	273.7	300.9	326.9	344.5	360.1	388.8	439.1
57,5°	203.4	308.5	371.7	376.8	355.2	346.7	368.6	403.7	435.1	467.2	515.3	563.4	588.4
60,0°	281.0	437.6	528.1	543.6	533.8	544.1	586.8	635.0	681.7	736.4	770.6	755.2	706.8
62,5°	459.0	683.9	801.0	823.5	822.2	848.4	906.9	960.5	1004.1	1008.6	950.1	833.7	672.9
65,0°	541.0	836.7	974.5	994.6	989.6	1015.3	1059.5	1086.1	1066.5	983.9	838.7	655.4	484.9
67,5°	421.8	721.2	884.2	915.6	892.2	875.4	867.2	831.1	750.0	630.8	494.5	376.5	281.8
70,0°	164.2	284.0	373.6	428.7	458.7	451.5	438.1	405.6	349.3	286.2	234.6	187.8	147.2
72,5°	37.8	50.0	56.7	67.7	100.8	124.5	127.5	125.3	110.6	85.4	86.9	78.5	67.8
75,0°	25.6	27.1	28.6	29.9	32.4	37.7	39.6	40.4	33.6	32.0	36.5	35.9	34.7
77,5°	18.9	19.4	20.1	20.7	21.4	22.5	22.9	23.3	22.7	23.1	24.1	24.2	25.6
80,0°	14.3	13.2	13.3	13.7	14.1	15.1	15.0	15.1	15.1	15.6	15.8	15.8	19.3
82,5°	8.4	7.6	7.8	8.1	8.3	9.0	9.0	8.9	9.1	9.3	9.4	9.2	10.5
85,0°	4.1	3.5	3.5	3.7	3.9	4.1	4.3	4.3	4.3	4.3	4.3	4.3	4.4
87,5°	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.1	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

Photometric test report

Family Floodlight FL21 mini	Order number: 5XA7771D4D2A EAN: 4058352653647	LP number 59303_102
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Table of values for luminous intensities		Maximum luminous intensity											
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°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
2,5°	256.6	257.5	258.2	258.8	259.1	259.4	228.6	225.4	222.3	219.2	216.1	213.0	210.1
5,0°	271.7	272.4	273.1	273.6	273.9	274.0	223.0	216.4	209.6	202.9	196.2	189.6	183.4
7,5°	271.7	271.4	271.2	271.2	271.4	271.4	217.0	207.0	196.7	186.4	176.4	166.9	158.0
10,0°	257.9	256.3	254.9	254.1	254.0	253.8	210.4	197.3	183.8	170.7	158.0	146.5	136.7
12,5°	233.8	230.0	227.5	225.9	225.2	224.9	203.7	187.7	171.5	156.1	142.2	130.7	121.9
15,0°	206.9	202.4	199.3	197.4	196.4	196.3	196.1	177.5	159.4	143.0	129.7	120.2	113.7
17,5°	184.0	180.4	178.5	177.4	177.1	177.2	188.5	167.5	147.8	131.8	120.4	113.4	109.4
20,0°	172.4	171.1	171.0	171.5	172.1	172.5	180.7	157.7	137.5	122.6	113.6	109.0	106.6
22,5°	171.7	173.3	175.3	177.6	179.5	180.3	173.5	148.7	128.5	115.4	108.6	105.6	103.3
25,0°	180.4	184.0	187.5	191.1	194.0	195.2	166.1	140.4	120.9	110.1	105.1	102.4	99.8
27,5°	194.9	198.1	201.4	206.2	209.6	210.4	159.8	133.1	114.9	105.9	102.2	99.3	96.7
30,0°	211.0	213.4	216.8	223.3	225.7	225.2	153.2	125.9	109.4	102.4	99.3	96.6	93.0
32,5°	230.7	234.4	240.4	248.9	249.2	248.6	147.8	119.8	104.8	99.1	96.4	93.6	86.1
35,0°	260.3	266.9	278.0	288.2	286.9	287.5	141.1	113.3	99.9	95.7	92.6	86.8	78.5
37,5°	303.6	312.8	322.9	327.5	328.1	329.6	135.0	107.3	95.8	92.5	86.3	78.6	74.0
40,0°	343.2	350.8	360.0	365.5	369.3	372.3	127.7	101.3	91.9	89.1	78.2	72.6	71.6
42,5°	329.7	335.0	342.0	348.1	352.2	354.4	120.9	96.0	88.5	85.4	72.4	69.5	69.2
45,0°	325.0	331.5	341.4	352.4	358.7	361.7	113.7	91.1	85.4	81.8	68.4	66.7	66.9
47,5°	334.5	343.3	356.2	373.7	383.7	388.7	109.8	87.7	82.9	78.3	65.3	64.2	64.3
50,0°	344.2	365.5	393.0	427.0	447.6	455.9	106.1	84.9	80.8	74.6	62.0	61.6	61.6
52,5°	386.7	435.0	483.5	531.2	558.8	569.1	104.9	83.4	79.4	71.3	59.2	58.9	58.9
55,0°	491.9	536.5	582.5	630.2	661.6	674.9	106.0	83.1	78.7	67.9	56.9	56.2	56.5
57,5°	601.7	615.0	643.8	682.0	709.6	721.4	114.8	85.9	79.7	66.3	55.7	54.1	54.2
60,0°	644.7	592.9	578.6	591.2	605.1	611.2	140.6	94.7	85.1	70.0	59.8	55.6	53.5
62,5°	532.1	442.6	407.1	390.4	371.5	372.0	218.5	116.7	98.1	83.3	74.8	67.3	59.4
65,0°	359.7	284.4	213.4	163.1	135.7	136.8	267.6	124.6	102.7	92.8	88.5	81.4	71.2
67,5°	212.7	163.6	70.8	55.1	51.3	50.3	137.5	86.1	80.6	78.6	79.5	76.7	70.5
70,0°	116.8	92.0	45.7	40.5	39.5	39.3	53.1	45.7	45.1	46.7	49.3	52.7	53.8
72,5°	57.5	49.2	35.9	34.4	34.4	35.0	34.1	33.0	31.8	31.7	32.8	35.6	37.7
75,0°	32.7	31.8	30.6	28.9	27.7	28.0	27.3	26.2	25.0	25.1	26.1	27.7	29.9
77,5°	32.1	32.2	25.5	20.8	19.4	19.6	20.3	19.4	18.9	19.4	20.1	21.7	22.9
80,0°	34.3	31.4	17.5	13.9	12.8	12.7	15.0	13.6	13.2	13.8	14.5	15.5	16.1
82,5°	16.1	15.6	10.1	8.2	7.5	7.1	8.4	7.8	8.2	8.7	9.2	9.6	9.8
85,0°	5.2	5.1	4.4	3.6	3.2	2.9	3.6	3.8	4.0	4.3	4.5	4.6	4.7
87,5°	1.1	1.1	1.0	1.0	0.9	0.9	1.3	1.4	1.5	1.6	1.6	1.7	1.7
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

Photometric test report

Family Floodlight FL21 mini	Order number: 5XA7771D4D2A EAN: 4058352653647	LP number 59303_102
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	0.3	0.3
2,5°	207.5	204.9	202.7	200.5	198.6	197.1	195.7	194.7	193.7	193.2	192.8	2.7	3.1
5,0°	177.6	172.1	167.4	163.0	159.2	156.1	153.5	151.5	149.9	148.9	148.5	5.2	8.3
7,5°	150.1	142.9	137.0	131.9	127.9	124.9	122.4	120.5	119.1	118.3	118.1	7.5	15.8
10,0°	128.5	122.0	117.0	113.1	110.2	108.2	106.7	105.6	104.9	104.5	104.4	9.4	25.2
12,5°	115.4	110.6	107.3	105.0	103.3	102.3	101.4	100.8	100.3	100.0	100.0	11.0	36.2
15,0°	109.4	106.5	104.4	102.5	100.6	98.9	97.6	96.5	95.7	95.3	95.2	12.4	48.5
17,5°	107.0	104.7	102.2	99.6	97.2	95.1	93.4	92.2	91.3	90.8	90.7	13.5	62.0
20,0°	104.4	101.8	99.0	96.5	94.3	92.3	90.6	89.4	88.6	88.1	87.9	14.7	76.7
22,5°	100.7	98.3	96.1	94.1	92.0	88.8	86.1	84.6	84.0	83.8	83.7	15.9	92.6
25,0°	97.4	95.3	93.3	90.3	85.4	80.8	77.4	75.9	75.4	75.0	74.9	17.2	109.8
27,5°	93.6	90.0	86.6	82.2	77.4	74.3	72.6	71.2	70.2	69.5	69.2	18.7	128.5
30,0°	86.3	81.5	78.6	76.0	74.5	73.2	71.7	70.2	69.1	68.3	68.0	20.3	148.8
32,5°	78.4	75.9	74.9	74.2	73.3	72.0	70.3	68.7	67.5	66.6	66.3	22.3	171.0
35,0°	74.7	74.0	73.4	72.6	71.4	70.0	68.4	67.0	65.9	65.1	64.7	24.7	195.7
37,5°	73.1	72.5	71.7	70.5	69.5	68.4	67.2	66.0	65.0	64.2	63.7	27.7	223.4
40,0°	71.3	70.7	69.5	68.6	68.0	67.3	66.3	65.4	64.7	63.8	63.2	31.0	254.4
42,5°	69.2	68.5	67.9	67.4	66.9	66.4	66.0	65.6	65.0	64.1	63.5	31.7	286.1
45,0°	66.8	66.7	66.6	66.5	66.4	66.4	66.5	66.7	66.6	65.7	65.1	32.6	318.8
47,5°	64.7	65.2	65.7	66.1	66.6	67.3	68.3	69.4	69.8	69.3	68.8	35.2	354.0
50,0°	62.4	63.6	64.7	66.0	67.5	69.6	72.3	74.7	75.7	75.8	75.7	39.1	393.1
52,5°	60.1	61.7	63.7	65.9	69.0	73.4	79.0	83.4	84.7	85.3	85.7	45.1	438.2
55,0°	57.8	60.0	62.7	66.7	72.0	79.7	88.9	94.8	95.2	95.9	96.7	53.5	491.8
57,5°	55.6	58.3	62.2	68.2	76.3	87.4	99.9	106.1	104.6	104.6	105.7	66.2	558.0
60,0°	53.9	56.9	62.2	70.3	81.0	94.3	107.8	112.8	108.9	107.7	108.8	82.6	640.6
62,5°	55.4	56.9	62.5	71.8	84.2	97.4	109.3	112.3	106.3	104.1	104.5	99.5	740.1
65,0°	63.7	63.5	66.0	72.7	84.1	95.3	105.1	105.4	98.9	95.6	96.1	99.9	840.0
67,5°	70.1	78.4	77.3	72.4	79.6	88.2	95.1	94.0	87.3	84.7	85.0	77.4	917.4
70,0°	61.5	83.1	81.8	70.7	72.2	78.2	82.6	81.2	75.4	72.7	73.9	40.8	958.2
72,5°	42.3	57.4	62.9	59.5	61.2	65.1	67.5	65.8	60.5	58.3	60.0	16.1	974.3
75,0°	31.9	36.8	42.7	46.3	49.5	52.1	53.3	51.3	47.4	45.6	47.0	9.3	983.7
77,5°	24.7	27.9	31.7	34.9	37.5	39.4	39.8	37.3	34.2	32.7	33.7	6.9	990.6
80,0°	17.6	19.4	21.6	23.6	25.1	26.0	25.6	23.9	22.2	21.1	21.1	4.9	995.4
82,5°	10.4	11.4	12.7	13.8	14.8	15.6	15.4	14.5	13.4	12.7	12.6	2.9	998.3
85,0°	4.9	5.3	5.9	6.5	7.0	7.3	7.4	7.1	6.6	6.3	6.2	1.3	999.6
87,5°	1.7	1.8	1.9	2.0	2.2	2.2	2.2	2.1	1.9	1.8	1.7	0.4	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: 5XA7771D4D2A EAN: 4058352653647	LP number 59303_102
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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	18610	143.0	151.5	147.2
95	241	252	17658	132.7	140.6	136.6
90	229	250	16778	123.8	131.1	127.4
85	216	248	15826	114.6	121.2	117.9
80	203	246	14873	105.7	111.9	108.8
75	190	243	13921	97.3	102.8	100.0
70	178	241	13042	89.9	94.9	92.4
65	165	238	12089	82.0	86.7	84.4
60	152	235	11137	74.5	78.7	76.6
55	140	232	10257	67.8	71.5	69.6
50	127	229	9305	60.8	64.1	62.4
45	114	225	8353	53.9	56.9	55.4
40	102	221	7473	47.7	50.4	49.0
35	89	216	6521	41.2	43.5	42.4
30	76	210	5568	34.9	36.8	35.8
25	63	203	4616	28.9	30.4	29.6
20	51	195	3737	23.5	24.6	24.0
15	38	184	2784	17.9	18.7	18.3
11	27	172	1978	13.1	13.8	13.4