

Photometric test report

Family
Floodlight FL21 mini

Order number: 5XA7771C2C2A
EAN: 4058352652633

LP number
58550_95



Version design bracket
Optic direct, asymmetric extremely wide distribution
 A610002
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 11980 lm
 Power consumption = 87.2 W
 Luminous efficacy = 137.4 lm/W

serial
documentation
26.08.2022

siteco

Luminous intensity in cd/klm

C180-0

C190-10

C195-15

C270-90

Imax: 745 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: G3
 Imax 70° 640.5
 Imax 80° 24.8
 Imax 90° 0.0
 Imax >90° 0.0
 Imax >95° 0.0

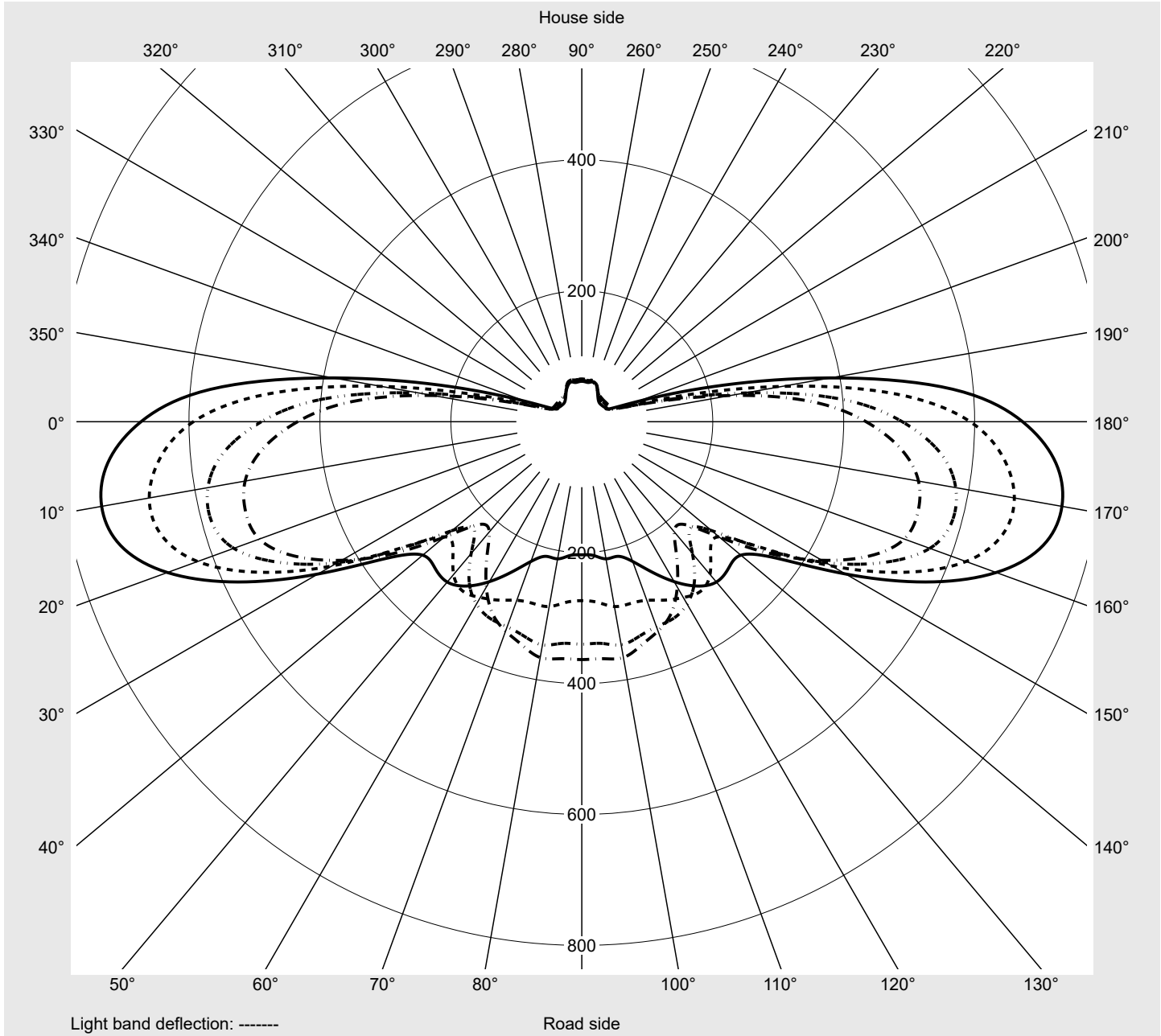
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm		KMK 65° KMK 62,5° KMK 60° KMK 57,5°

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Family Floodlight FL21 mini	Order number: 5XA7771C2C2A EAN: 4058352652633	LP number 58550_95
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°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5
2,5°	239.2	240.6	242.2	243.7	245.4	247.0	248.5	249.7	250.8	251.8	252.8	253.7	254.4
5,0°	239.5	242.7	245.9	249.0	251.9	254.7	257.2	259.4	261.3	263.0	264.5	265.8	266.9
7,5°	239.6	244.5	249.0	253.2	257.1	260.7	264.0	266.7	269.0	270.9	272.5	273.9	275.0
10,0°	240.7	247.3	253.2	258.3	262.9	266.8	270.2	272.8	274.8	276.2	277.6	279.1	280.5
12,5°	242.1	250.3	257.5	263.6	268.7	272.8	276.1	278.5	280.3	281.7	282.9	284.2	285.5
15,0°	243.2	253.2	261.6	268.3	273.6	277.7	281.0	283.8	286.1	287.9	289.3	290.5	291.6
17,5°	244.4	256.2	265.8	273.1	278.6	282.6	286.0	288.9	291.7	294.1	296.3	298.1	299.7
20,0°	247.2	262.0	273.1	280.6	285.3	288.9	292.0	294.9	297.5	300.4	303.7	306.4	308.1
22,5°	250.6	267.7	280.5	289.0	293.0	295.6	299.1	302.4	305.2	308.2	312.1	315.5	317.9
25,0°	253.7	271.8	285.2	293.6	298.4	302.0	305.7	309.5	313.2	316.6	319.7	323.6	326.3
27,5°	259.5	280.4	295.5	304.9	310.5	314.1	316.1	318.8	322.5	326.2	329.4	331.8	333.4
30,0°	262.3	285.3	301.7	311.7	318.2	323.2	326.6	328.9	330.9	334.2	335.4	334.9	332.8
32,5°	266.9	291.7	309.3	319.4	325.5	330.3	334.7	338.2	339.3	338.9	336.5	331.7	325.8
35,0°	273.0	300.4	319.1	330.7	337.7	342.5	346.3	348.7	347.4	340.9	331.9	324.2	315.2
37,5°	280.8	310.7	331.0	344.1	352.2	356.8	359.5	358.9	351.7	339.1	323.9	313.3	300.6
40,0°	291.0	324.4	346.4	360.2	368.8	374.4	376.5	369.9	354.1	333.7	312.4	293.8	275.9
42,5°	303.8	340.0	363.4	378.0	386.3	391.3	391.2	378.8	354.2	323.4	294.1	267.2	243.1
45,0°	316.2	356.0	380.1	394.5	403.2	407.8	401.4	380.8	347.9	309.8	273.1	238.7	207.4
47,5°	333.1	374.5	399.2	413.4	421.6	424.7	412.0	378.8	338.2	294.3	248.5	208.9	176.1
50,0°	349.4	394.1	420.1	434.7	442.0	440.1	418.4	377.5	326.4	275.1	222.7	184.4	169.2
52,5°	371.1	416.7	444.9	459.9	464.5	452.4	419.9	370.6	310.9	252.5	204.0	186.7	195.6
55,0°	396.9	446.5	476.8	490.8	491.6	467.2	422.8	361.7	293.9	233.1	204.4	210.0	235.1
57,5°	434.2	490.3	522.2	531.6	524.1	485.2	423.4	351.0	274.1	222.1	219.9	252.9	291.6
60,0°	489.5	549.8	579.9	585.8	565.7	508.8	430.4	338.9	258.8	233.1	262.9	299.7	321.7
62,5°	593.3	647.0	670.9	665.5	624.4	544.2	440.8	335.5	273.5	278.1	304.7	316.3	310.1
65,0°	673.3	726.9	744.7	729.6	673.5	579.4	465.3	363.6	317.2	316.8	319.7	306.5	282.1
67,5°	692.3	734.5	738.2	706.3	642.7	556.8	463.7	382.3	347.7	336.9	316.9	279.9	236.1
70,0°	629.0	640.5	619.1	578.0	519.0	457.0	394.4	353.3	340.5	324.9	286.4	233.9	198.5
72,5°	327.9	325.8	291.9	301.0	323.1	314.1	287.3	268.5	257.1	233.5	204.7	182.0	158.1
75,0°	97.0	63.1	54.8	75.1	154.3	189.6	178.5	152.6	113.5	87.4	107.1	102.2	86.8
77,5°	32.8	28.1	25.1	25.4	52.2	80.6	76.8	38.5	23.7	25.5	35.7	35.5	32.3
80,0°	20.7	17.4	17.1	16.6	19.5	24.8	19.4	13.3	12.8	13.0	14.2	16.7	16.3
82,5°	10.1	9.1	9.8	10.2	9.5	9.2	8.9	7.5	7.6	7.7	7.4	8.2	8.6
85,0°	3.6	3.2	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.2	3.2	3.1
87,5°	1.2	1.2	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.6
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5
2,5°	255.0	255.6	256.1	256.5	256.9	257.0	237.6	236.0	234.3	232.7	231.2	229.8	228.5
5,0°	267.7	268.3	269.0	269.7	270.2	270.3	236.0	232.3	228.7	225.1	221.6	218.2	215.0
7,5°	275.7	276.2	276.8	277.5	278.0	278.2	234.1	228.5	222.8	217.2	211.7	206.5	201.3
10,0°	281.4	282.1	282.9	283.9	284.6	284.9	233.4	225.6	217.7	209.9	202.2	194.8	187.6
12,5°	286.9	288.2	289.4	290.5	291.4	291.7	232.7	222.8	212.6	202.7	192.8	183.2	173.6
15,0°	293.1	295.1	297.1	298.7	299.6	299.8	231.8	219.5	207.0	194.8	182.8	171.1	159.1
17,5°	301.1	303.2	305.8	307.7	308.7	309.1	230.8	216.0	201.1	186.5	171.9	157.5	143.0
20,0°	309.2	310.8	313.6	315.4	316.0	316.0	230.5	213.1	195.5	178.2	160.7	143.4	127.2
22,5°	318.3	319.3	321.7	324.1	324.3	324.1	231.1	210.8	190.3	170.2	149.8	130.0	112.4
25,0°	327.4	327.5	328.5	330.3	329.8	329.1	232.1	208.5	184.8	161.1	138.0	116.2	95.6
27,5°	332.5	329.9	328.9	329.9	328.0	325.9	234.0	206.8	179.1	151.6	124.4	97.9	81.4
30,0°	329.4	323.9	321.5	321.3	317.4	313.1	234.1	203.6	172.4	141.4	106.9	82.4	76.2
32,5°	319.2	312.0	307.3	304.1	295.6	290.9	235.8	201.7	166.6	129.7	91.2	75.8	73.5
35,0°	305.5	295.3	287.6	278.7	266.3	263.1	238.3	200.3	161.0	115.5	79.9	72.0	70.9
37,5°	285.5	270.6	258.3	240.6	226.8	225.0	242.2	198.9	151.7	100.3	73.3	69.3	68.5
40,0°	255.6	237.1	219.7	195.2	185.0	183.7	248.0	198.8	140.1	85.3	68.2	66.5	65.9
42,5°	218.8	194.2	173.9	156.4	149.0	148.0	254.8	201.0	131.0	77.5	64.8	63.6	63.2
45,0°	181.0	156.7	141.7	130.5	126.7	127.1	263.3	201.7	120.4	71.4	61.7	60.7	60.4
47,5°	157.5	145.8	141.0	141.9	141.4	144.0	275.1	206.3	118.8	68.7	59.2	58.2	57.8
50,0°	172.0	175.4	180.4	188.9	191.2	194.6	287.2	210.9	113.6	65.4	56.6	55.6	55.1
52,5°	211.8	224.2	237.9	253.7	258.4	261.7	302.8	214.9	112.5	63.4	54.2	53.1	52.5
55,0°	265.3	288.2	308.0	327.0	329.2	331.6	321.4	220.0	112.7	61.3	51.8	50.5	50.0
57,5°	323.1	340.4	353.1	365.8	363.4	363.4	352.4	230.7	116.6	60.1	49.3	48.0	47.5
60,0°	331.5	333.4	339.3	346.1	339.9	339.9	397.0	252.7	122.8	59.8	46.9	45.5	45.0
62,5°	300.7	290.4	287.4	286.7	277.0	273.4	483.0	311.0	147.5	64.8	45.3	43.3	42.6
65,0°	253.4	227.2	212.9	212.7	205.1	203.4	568.9	385.2	207.0	89.5	46.7	41.7	40.4
67,5°	201.9	183.2	157.4	145.0	134.7	137.1	586.1	419.8	251.0	133.6	58.6	42.4	37.8
70,0°	179.3	159.0	76.7	59.5	55.4	61.0	469.1	325.6	213.5	120.4	59.8	44.4	36.6
72,5°	141.1	117.8	36.2	28.5	28.5	27.5	196.0	136.9	113.2	71.9	45.2	39.0	32.2
75,0°	76.2	62.7	25.0	21.1	20.9	19.7	57.7	36.1	37.9	34.6	27.7	25.8	23.8
77,5°	31.6	29.8	17.0	14.9	14.6	13.4	26.4	22.7	22.4	20.9	18.3	17.0	16.6
80,0°	14.2	13.2	10.0	9.3	8.7	8.1	18.9	15.6	13.6	13.0	11.9	11.2	11.1
82,5°	7.0	6.3	5.3	4.8	4.3	4.0	10.3	8.8	7.5	7.3	8.1	6.8	6.7
85,0°	2.6	2.3	1.9	1.7	1.7	1.6	3.8	3.4	3.2	3.3	3.7	3.4	3.3
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.4	1.3	1.3	1.3
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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
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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°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	0.4	0.4
2,5°	227.2	225.9	224.6	223.6	222.7	221.9	221.2	220.5	220.1	219.9	219.9	2.9	3.2
5,0°	212.0	209.0	206.3	203.8	201.6	199.6	197.9	196.6	195.6	195.2	195.0	5.6	8.9
7,5°	196.3	191.7	187.4	183.4	179.7	176.5	173.7	171.6	170.0	169.2	168.9	8.3	17.1
10,0°	180.5	173.8	167.5	161.7	156.3	151.7	147.7	144.7	142.5	141.3	140.9	10.7	27.9
12,5°	164.1	154.9	146.3	138.5	131.5	125.6	120.8	117.2	114.6	113.1	112.6	13.1	40.9
15,0°	147.0	135.8	125.6	116.9	109.5	103.6	99.0	95.9	93.7	92.4	91.9	15.3	56.2
17,5°	129.3	117.1	105.9	95.3	87.4	82.1	78.6	76.3	75.0	74.1	73.9	17.4	73.6
20,0°	113.2	98.1	85.6	79.3	76.7	75.0	73.8	72.9	72.0	71.4	71.2	19.7	93.3
22,5°	95.0	82.3	78.1	76.5	75.2	73.9	72.6	71.5	70.5	69.8	69.6	22.2	115.5
25,0°	81.5	77.6	76.4	75.4	74.3	72.9	71.5	70.2	69.0	68.1	67.7	24.6	140.0
27,5°	77.2	75.9	75.2	74.4	73.3	71.9	70.3	68.8	67.5	66.4	65.8	27.0	167.1
30,0°	75.0	74.4	74.0	73.4	72.4	71.1	69.4	67.6	66.1	64.8	64.1	29.1	196.2
32,5°	73.0	72.8	72.7	72.3	71.5	70.1	68.3	66.4	64.7	63.1	62.3	31.0	227.2
35,0°	70.7	70.7	71.1	70.8	70.1	68.7	66.8	64.7	62.8	61.1	60.1	32.6	259.8
37,5°	68.4	68.7	69.0	68.9	68.3	67.0	65.2	63.0	60.9	58.9	57.7	33.9	293.7
40,0°	65.9	66.3	66.6	66.6	66.1	64.9	62.8	60.8	58.8	56.8	55.7	34.8	328.4
42,5°	63.2	63.5	63.8	64.2	63.5	62.2	60.9	59.1	57.1	55.1	53.9	35.4	363.8
45,0°	60.3	60.4	60.9	60.8	60.4	59.8	59.0	57.6	56.0	54.0	52.7	35.9	399.7
47,5°	57.5	57.6	57.6	57.5	57.5	57.4	57.2	56.6	55.4	53.4	52.3	37.4	437.1
50,0°	54.8	54.7	54.2	54.4	54.7	55.2	55.8	56.1	55.4	53.9	52.9	40.1	477.3
52,5°	52.3	51.8	51.5	51.8	52.6	54.0	55.8	57.1	56.9	56.1	55.4	44.0	521.3
55,0°	49.7	49.1	49.3	49.8	51.2	54.0	57.2	59.7	59.7	59.4	59.0	49.0	570.3
57,5°	47.0	46.7	47.1	48.1	50.3	54.9	60.1	63.2	62.8	62.9	63.2	54.1	624.4
60,0°	44.4	44.3	44.9	46.7	50.3	56.4	63.0	65.8	64.7	64.9	65.4	58.2	682.6
62,5°	41.9	41.8	42.6	45.2	49.8	56.6	63.2	65.4	63.8	64.3	64.7	62.7	745.4
65,0°	39.4	39.1	40.3	43.4	48.5	55.5	62.0	63.2	60.9	61.1	61.7	66.5	811.9
67,5°	36.2	35.8	37.1	40.3	45.6	52.7	58.1	58.5	55.7	55.6	56.0	65.8	877.7
70,0°	32.2	31.7	33.2	36.7	41.9	47.8	51.8	51.5	48.8	48.0	48.6	56.2	933.9
72,5°	27.3	26.7	28.3	31.5	36.0	40.7	43.3	42.4	39.8	38.7	39.9	35.2	969.1
75,0°	21.9	21.8	23.2	26.0	29.5	33.0	34.3	33.1	30.6	30.0	31.7	16.3	985.4
77,5°	16.5	16.7	17.8	19.8	22.4	24.6	25.4	23.9	21.9	21.5	22.1	7.4	992.8
80,0°	11.3	11.4	12.2	13.6	15.1	16.4	16.6	15.2	13.9	13.5	13.6	3.9	996.7
82,5°	6.7	6.8	7.2	7.7	8.1	8.4	8.2	7.5	6.9	6.7	6.7	2.1	998.8
85,0°	3.2	3.1	3.2	3.3	3.4	3.6	3.5	3.1	2.8	2.7	2.7	0.8	999.7
87,5°	1.2	1.2	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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: 5XA7771C2C2A EAN: 4058352652633	LP number 58550_95
Dimming levels table environmental temperature: 25°C		

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	11980	87.2	92.1	89.6
95	241	252	11367	81.9	86.5	84.2
90	229	250	10801	77.1	81.4	79.2
85	216	248	10188	72.0	76.0	74.0
80	203	246	9575	67.1	70.8	68.9
75	190	243	8961	62.3	65.7	64.0
70	178	241	8395	57.9	61.0	59.4
65	165	238	7782	53.2	56.1	54.6
60	152	235	7169	48.6	51.4	50.0
55	140	232	6603	44.5	46.9	45.7
50	127	229	5990	40.1	42.2	41.2
45	114	225	5377	35.8	37.7	36.8
40	102	221	4811	31.9	33.6	32.8
35	89	216	4198	27.8	29.3	28.6
30	76	210	3585	23.8	25.0	24.4
25	63	203	2971	20.0	21.0	20.5
20	51	195	2405	16.5	17.3	16.9
16	40	186	1887	13.2	13.9	13.6