

Photometric test report

Family
Floodlight FL21 midi

Order number: 5XA7782E3D1A
EAN: 4058352853696

LP number
59303_137

serial
documentation
22.08.2023



Version mounting bracket
Optic direct, asymmetric wide distribution
A520003
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 23100 lm
Power consumption = 208.1 W
Luminous efficacy = 111 lm/W

siteco

Luminous intensity in cd/klm

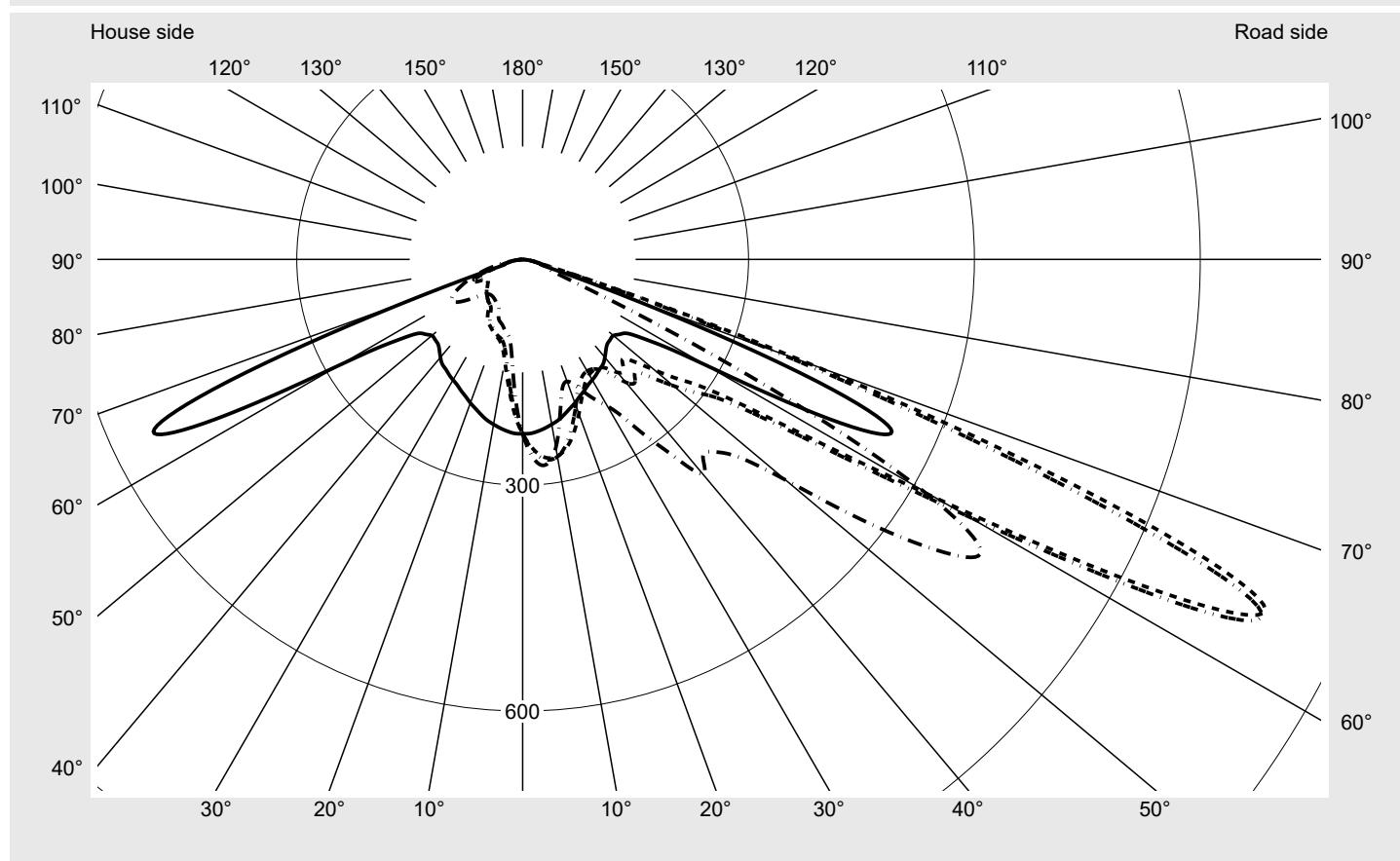
C180-0

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

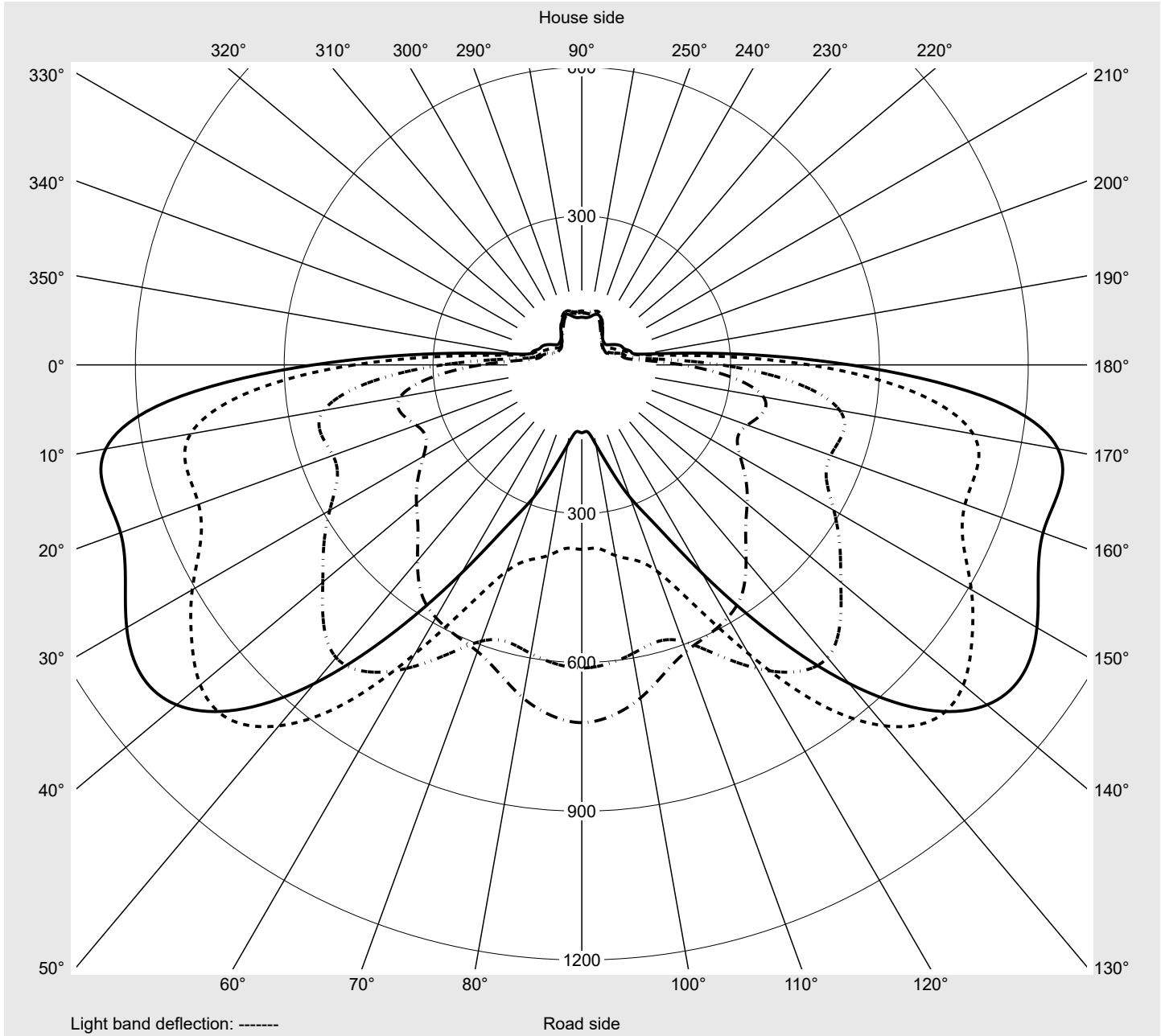
Class:	G4
Imax 70°	458.7
Imax 80°	34.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

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



Photometric test report

Family Floodlight FL21 midi				Order number: 5XA7782E3D1A EAN: 4058352853696								LP number 59303_137		
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°	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	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	

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Family Floodlight FL21 midi	Order number: 5XA7782E3D1A EAN: 4058352853696	LP number 59303_137
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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 midi				Order number: 5XA7782E3D1A EAN: 4058352853696								LP number 59303_137		
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°	231.6	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0	1000.0

Photometric test report

Family Floodlight FL21 midi	Order number: 5XA7782E3D1A EAN: 4058352853696	LP number 59303_137
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	23100	208.1	227.1	217.6
95	241	252	21918	193.9	211.3	202.6
90	229	250	20826	181.2	197.5	189.4
85	216	248	19644	167.9	182.9	175.4
80	203	246	18462	155.2	168.9	162.0
75	190	243	17280	143.1	155.5	149.3
70	178	241	16188	132.2	143.7	138.0
65	165	238	15006	120.9	131.2	126.0
60	152	235	13824	110.0	119.3	114.6
55	140	232	12732	100.2	108.7	104.4
50	127	229	11550	90.0	97.4	93.7
45	114	225	10368	79.9	86.6	83.2
40	102	221	9276	70.8	76.8	73.8
35	89	216	8094	61.4	66.4	63.9
30	76	210	6912	52.3	56.4	54.4
25	63	203	5730	43.7	46.9	45.3
20	51	195	4638	35.9	38.5	37.2
15	38	184	3456	27.6	29.6	28.6
13	32	178	2910	23.9	25.5	24.7