



Photometric test report

Family Floodlight FL21 mini	Order number: 5XA7772D4C1A EAN: 4058352656372	LP number 58550_122
	Version mounting bracket Optic asymmetric distribution PL61 Cover toughened safety glass Lamps LED 4000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 18260 lm Power consumption = 143.0 W Luminous efficacy = 127.7 lm/W	serial documentation 26.08.2022

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°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity



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



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: 5XA7772D4C1A EAN: 4058352656372	LP number 58550_122
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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	18260	143.0	151.5	147.2
95	241	252	17325	132.7	140.6	136.6
90	229	250	16463	123.8	131.1	127.4
85	216	248	15528	114.6	121.2	117.9
80	203	246	14594	105.7	111.9	108.8
75	190	243	13659	97.3	102.8	100.0
70	178	241	12796	89.9	94.9	92.4
65	165	238	11862	82.0	86.7	84.4
60	152	235	10927	74.5	78.7	76.6
55	140	232	10065	67.8	71.5	69.6
50	127	229	9130	60.8	64.1	62.4
45	114	225	8195	53.9	56.9	55.4
40	102	221	7333	47.7	50.4	49.0
35	89	216	6398	41.2	43.5	42.4
30	76	210	5464	34.9	36.8	35.8
25	63	203	4529	28.9	30.4	29.6
20	51	195	3666	23.5	24.6	24.0
15	38	184	2732	17.9	18.7	18.3
11	27	172	1941	13.1	13.8	13.4