

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 mini

Bestell-Nr.: 5XA7776C4A3A
EAN: 4069025028051

LP-Nummer
59304_335



Ausführung Mastbügel
Optik asymmetrisch strahlend PL43
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG-Smart Interface
Bemessungswerte Nettolichtstrom = 13020 lm
Systemleistung = 89.0 W
Lichtausbeute = 146.3 lm/W

Seriendokumentation
20.09.2023

siteco

Lichtstärke in cd/klm

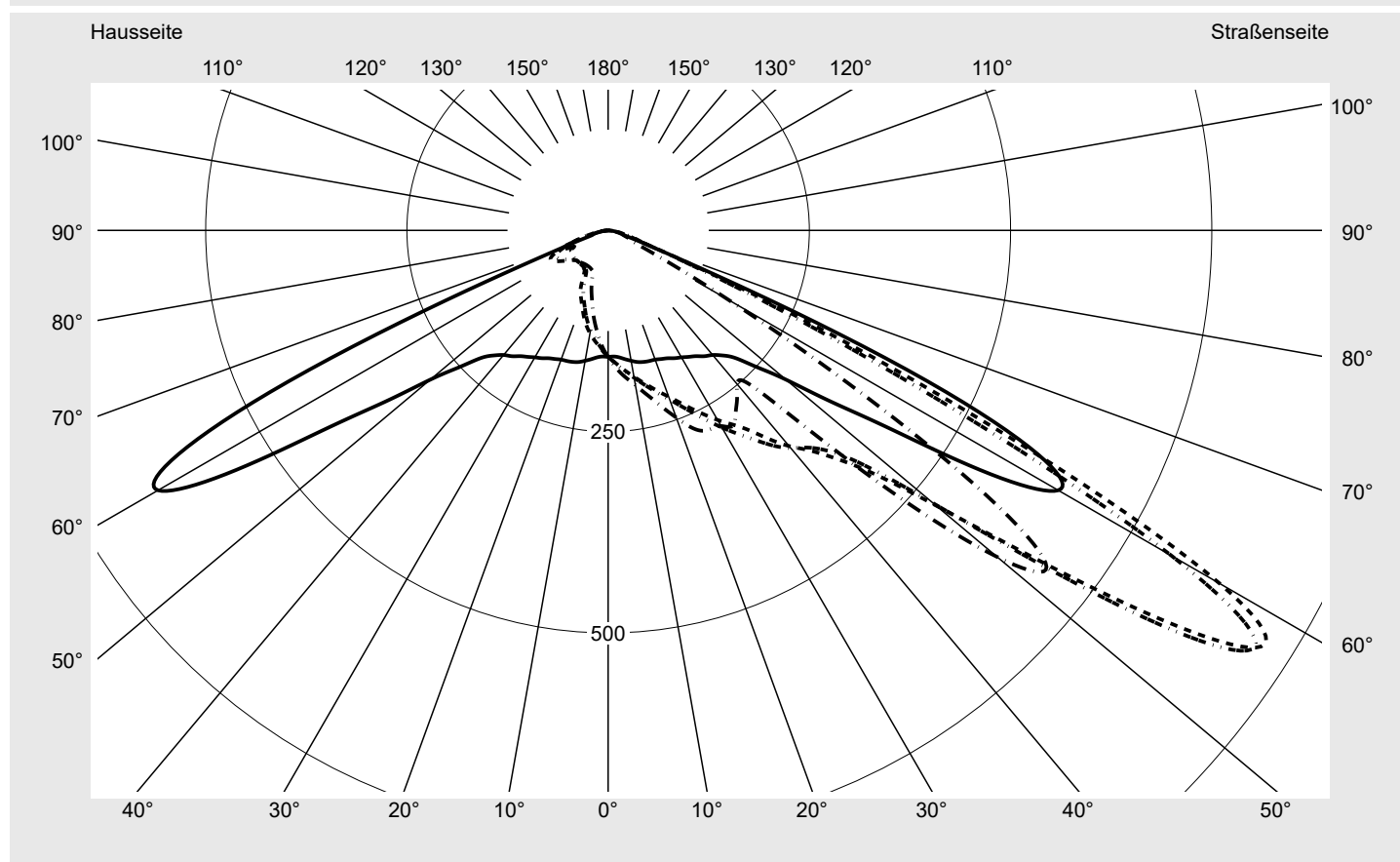
C180-0

C220-40

C225-45

C270-90

Imax: 962 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	58.9
Imax 80°	16.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm

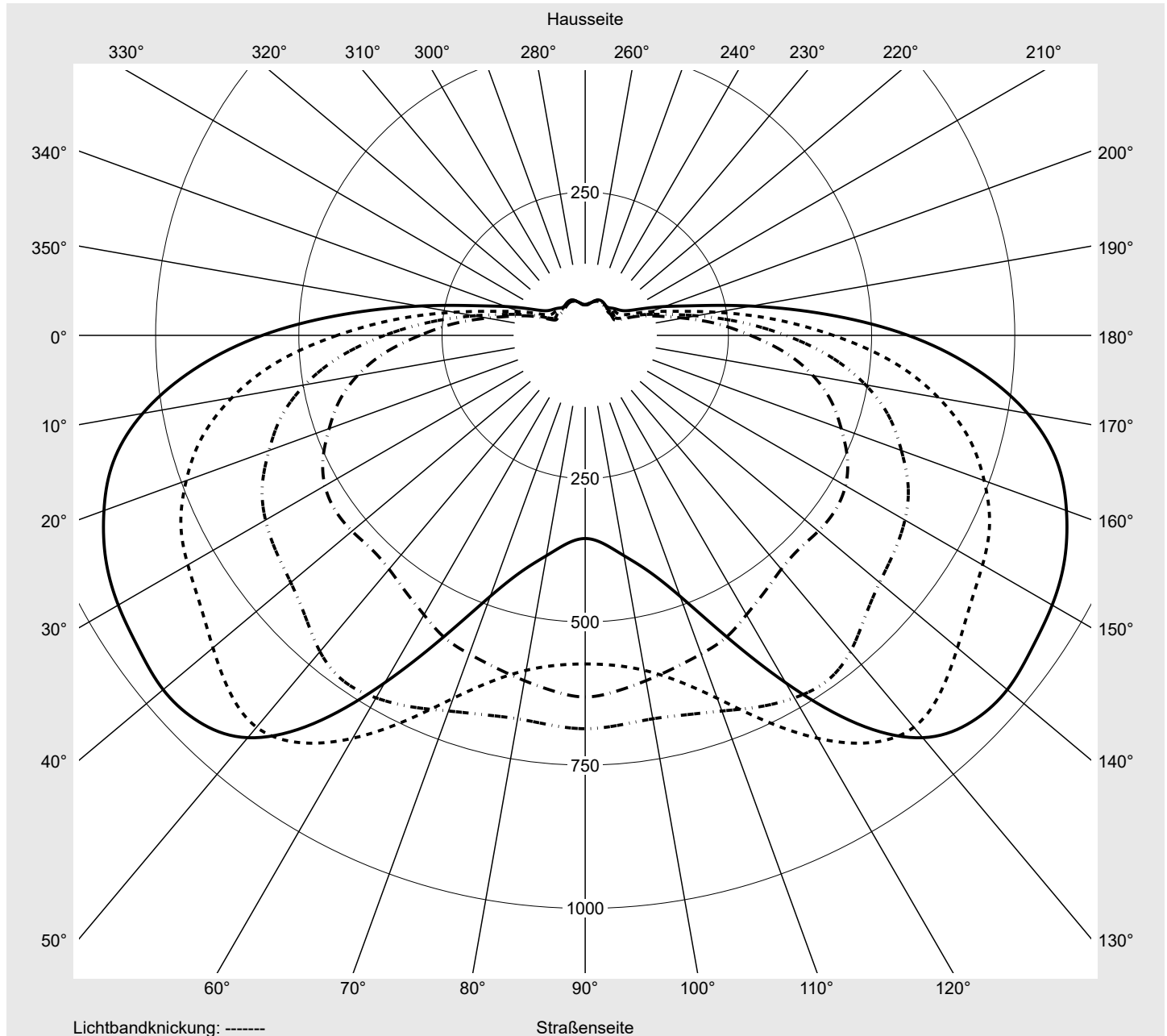
KMK 57,5°

KMK 55°

KMK 52,5°

KMK 50°

siteco



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Familie Floodlight FL21 mini				Bestell-Nr.: 5XA7776C4A3A EAN: 4069025028051								LP-Nummer 59304_335	
Wertetabelle Lichtstärkemessung												siteco	
Maximale Lichtstärke													
C- Ebenen	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	Lichtstärke in cd/klm												
0,0°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1
2,5°	156.9	157.8	158.6	159.4	160.2	161.0	161.7	162.4	163.1	163.7	164.4	165.0	165.6
5,0°	158.3	160.3	161.9	163.5	165.0	166.4	167.6	168.8	170.0	171.0	172.1	173.0	174.0
7,5°	161.4	164.1	166.5	168.8	170.8	172.7	174.4	175.8	177.2	178.4	179.5	180.6	181.6
10,0°	164.4	168.1	171.3	174.2	176.8	179.2	181.2	182.9	184.5	185.9	187.2	188.4	189.4
12,5°	167.4	171.9	175.9	179.6	182.7	185.7	188.2	190.5	192.5	194.4	195.9	197.4	198.5
15,0°	169.2	174.7	179.7	184.2	188.1	191.7	195.0	198.2	200.9	203.5	205.4	207.1	208.3
17,5°	170.1	176.8	183.0	188.6	193.4	198.0	202.4	206.5	210.2	213.4	215.9	217.8	219.1
20,0°	170.8	178.9	186.4	193.1	198.9	204.6	210.0	215.2	219.8	223.8	226.6	229.0	230.4
22,5°	172.9	182.4	191.1	199.1	206.0	212.8	219.3	225.5	231.1	236.1	239.6	242.2	243.8
25,0°	175.2	186.7	196.7	206.0	214.3	222.5	230.0	237.3	244.1	250.2	255.0	258.3	259.3
27,5°	179.0	192.2	203.8	214.5	224.8	234.2	242.1	249.6	257.6	265.9	272.7	276.2	277.6
30,0°	182.1	198.0	211.4	223.9	236.8	246.8	255.3	263.0	271.9	282.7	291.6	295.0	295.2
32,5°	186.3	204.6	220.0	233.6	246.8	258.6	268.6	277.2	285.6	299.6	313.0	316.6	314.8
35,0°	190.7	212.2	229.6	244.3	257.6	270.0	281.5	292.9	302.1	317.6	336.0	344.0	332.8
37,5°	197.0	222.6	243.9	261.0	276.5	291.4	305.0	318.1	325.8	337.0	354.4	355.4	337.3
40,0°	202.1	234.4	261.9	285.4	306.6	325.4	340.0	349.0	349.7	353.0	352.8	344.0	326.3
42,5°	210.8	246.5	277.6	303.1	326.1	347.8	364.5	372.2	370.8	365.9	352.1	338.3	320.8
45,0°	224.6	267.6	303.3	332.4	357.2	380.8	398.8	405.5	401.1	387.6	369.4	352.4	336.5
47,5°	252.0	299.0	341.4	375.5	403.1	429.0	447.0	452.6	447.0	431.9	416.5	405.9	403.2
50,0°	288.4	351.5	403.8	444.9	475.7	505.0	524.8	532.6	531.5	527.6	532.6	546.3	563.0
52,5°	350.2	430.3	497.0	549.5	587.4	622.1	644.5	658.5	671.1	691.9	720.5	736.0	730.5
55,0°	433.2	540.5	626.3	693.6	741.3	779.0	801.1	820.5	848.3	878.5	892.7	867.8	812.0
57,5°	563.9	686.2	784.4	853.1	894.2	923.7	941.4	952.1	962.0	953.8	916.6	827.1	700.1
60,0°	645.7	773.4	861.0	921.1	936.8	940.1	941.0	920.1	877.5	808.2	711.0	584.2	450.7
62,5°	601.4	706.1	762.3	796.7	772.7	741.4	711.6	663.9	591.2	503.0	409.0	323.3	249.9
65,0°	409.8	448.6	471.6	480.8	450.9	418.9	389.1	352.4	303.7	251.6	208.1	168.8	130.0
67,5°	142.0	167.5	172.5	173.5	165.4	156.1	148.4	136.4	124.0	107.2	91.4	76.1	61.2
70,0°	49.3	49.2	46.7	47.4	48.3	48.8	50.1	50.4	52.3	51.7	51.7	53.8	51.3
72,5°	24.2	24.8	24.5	24.7	25.7	27.0	28.6	31.5	34.4	37.5	41.5	41.6	39.5
75,0°	19.2	21.9	20.2	19.9	20.5	20.8	21.6	24.6	26.1	26.6	28.4	29.8	29.8
77,5°	16.4	17.9	15.3	14.7	15.2	15.4	16.1	17.2	18.1	18.6	19.1	20.4	20.9
80,0°	12.2	11.0	10.3	9.9	10.2	10.8	10.9	11.8	12.7	13.2	13.0	13.2	14.0
82,5°	6.4	7.0	5.8	5.8	6.1	6.6	7.3	7.3	7.7	8.7	8.4	8.0	8.4
85,0°	2.9	3.0	2.8	2.8	3.1	3.3	3.7	3.6	3.6	3.7	3.7	3.8	3.8
87,5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.0	0.9	0.9
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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Wertetabelle Lichtstärkemessung												Maximale Lichtstärke		siTeco
C- Ebenen	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	Lichtstärke in cd/klm													
0,0°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	
2,5°	166.1	166.5	166.9	167.3	167.4	167.6	156.1	155.1	154.2	153.4	152.5	151.6	150.9	
5,0°	174.8	175.6	176.4	177.0	177.4	177.6	156.7	154.7	152.7	150.7	148.7	146.7	144.8	
7,5°	182.6	183.6	184.5	185.4	186.0	186.3	158.7	155.6	152.5	149.3	146.1	142.9	139.7	
10,0°	190.4	191.5	192.7	193.9	194.8	195.2	160.7	156.7	152.4	148.0	143.4	138.8	134.2	
12,5°	199.6	200.7	202.1	203.8	205.4	206.1	162.5	157.2	151.8	146.0	140.0	134.0	128.1	
15,0°	209.4	210.5	212.0	214.4	216.9	218.0	163.0	156.5	149.7	142.6	135.2	127.9	120.8	
17,5°	220.0	221.0	222.6	225.8	230.0	232.3	162.6	154.7	146.5	138.1	129.3	120.6	112.3	
20,0°	231.5	232.1	233.3	236.5	243.2	247.5	161.8	152.4	142.9	133.0	122.7	113.0	103.9	
22,5°	244.2	244.1	244.3	246.8	256.3	263.5	162.1	151.0	139.5	127.7	116.3	105.8	96.6	
25,0°	258.9	257.0	256.0	257.5	267.6	274.6	162.8	149.5	135.7	122.5	110.3	99.5	90.3	
27,5°	276.0	272.5	269.9	270.5	279.2	277.7	164.1	148.6	132.8	118.3	105.4	94.5	83.9	
30,0°	292.6	285.9	280.7	280.7	287.6	280.6	164.7	147.1	130.0	114.5	101.4	89.8	71.6	
32,5°	308.3	293.6	283.9	282.7	289.4	288.0	166.1	146.2	128.0	112.0	98.7	81.8	61.0	
35,0°	320.0	299.4	285.4	284.6	281.9	276.3	166.9	144.5	125.1	109.2	94.6	69.0	57.3	
37,5°	318.6	295.6	280.2	274.7	266.5	263.2	168.9	143.5	122.9	106.8	85.1	59.9	56.2	
40,0°	306.3	286.3	269.5	257.9	251.2	249.2	169.3	141.4	120.1	103.5	70.1	56.9	55.1	
42,5°	301.9	283.2	270.0	261.0	258.6	258.3	173.9	143.3	119.8	99.9	64.3	56.3	54.4	
45,0°	325.6	319.6	322.8	329.4	337.4	341.4	185.0	148.7	120.3	97.0	63.3	56.8	54.7	
47,5°	416.5	432.9	449.9	468.0	483.3	490.4	204.3	158.9	123.6	96.2	63.5	57.0	55.5	
50,0°	581.7	591.7	600.9	611.9	623.4	631.1	231.4	173.7	129.8	97.6	64.8	57.1	57.2	
52,5°	715.5	697.6	685.4	679.5	682.8	686.5	270.2	196.9	141.6	105.0	72.5	61.0	60.9	
55,0°	742.0	674.1	624.4	593.6	578.0	573.5	328.4	232.3	162.1	121.0	88.8	71.9	67.7	
57,5°	577.9	484.7	425.9	390.5	364.8	354.5	422.3	294.4	200.2	147.1	110.1	86.5	76.1	
60,0°	351.0	288.2	242.2	207.0	181.1	173.8	495.8	349.8	239.8	173.3	127.8	98.5	84.3	
62,5°	196.1	156.4	115.6	85.6	69.7	74.4	480.8	347.5	247.8	181.6	135.9	106.0	90.6	
65,0°	100.6	78.5	46.7	41.6	38.9	38.1	316.1	238.2	187.4	143.3	115.4	97.1	87.3	
67,5°	55.1	50.6	41.2	38.3	34.3	32.5	105.3	78.6	92.0	81.1	74.4	71.1	71.0	
70,0°	45.1	39.2	33.6	30.6	27.3	25.3	35.1	30.6	34.0	41.3	43.2	46.3	51.7	
72,5°	37.2	32.9	28.3	25.3	22.7	20.3	23.4	24.0	24.3	26.9	28.2	31.6	37.1	
75,0°	29.0	26.7	22.7	19.9	19.3	17.0	20.3	17.9	18.7	20.4	21.0	23.9	27.9	
77,5°	21.1	19.3	17.1	15.6	14.5	12.9	18.2	14.4	14.4	15.5	15.4	17.1	19.8	
80,0°	13.9	12.7	11.3	10.4	9.4	8.6	11.9	12.3	9.7	11.4	11.2	12.0	13.1	
82,5°	8.2	7.6	7.1	6.4	5.7	5.4	6.4	10.7	6.2	7.6	7.3	7.3	7.8	
85,0°	3.7	3.7	3.5	3.0	2.6	2.5	2.9	5.9	3.4	3.5	3.4	3.4	3.8	
87,5°	0.8	0.7	0.7	0.6	0.6	0.6	1.2	1.5	1.3	1.4	1.4	1.4	1.5	
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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Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	0.2	0.2
2,5°	150.1	149.4	148.7	148.2	147.7	147.3	147.0	146.7	146.4	146.3	146.4	1.9	2.1
5,0°	142.9	141.3	139.6	138.1	136.8	135.8	134.9	134.1	133.6	133.2	133.2	3.7	5.8
7,5°	136.6	133.7	130.8	128.4	126.1	124.2	122.5	121.2	120.3	119.7	119.6	5.6	11.4
10,0°	129.7	125.6	121.6	118.1	114.9	112.3	110.1	108.3	107.0	106.2	106.0	7.5	18.9
12,5°	122.3	117.0	112.0	107.4	103.3	99.8	96.8	94.6	92.9	92.0	91.7	9.3	28.2
15,0°	113.9	107.5	101.5	96.2	91.8	88.0	85.0	82.6	81.0	80.0	79.7	11.1	39.3
17,5°	104.5	97.7	91.5	86.2	81.6	77.5	74.0	71.2	69.2	68.1	67.8	12.9	52.3
20,0°	96.0	89.1	82.5	75.4	68.6	63.5	60.1	58.0	56.8	56.2	56.0	14.7	67.0
22,5°	88.6	80.3	70.2	61.8	57.5	55.7	54.6	53.8	53.3	53.0	53.0	16.7	83.7
25,0°	81.1	69.0	59.9	56.2	54.9	54.0	53.2	52.5	52.1	51.8	51.8	18.8	102.5
27,5°	68.9	58.8	55.8	54.7	53.9	53.2	52.6	52.0	51.5	51.2	51.2	21.2	123.7
30,0°	58.7	55.9	54.8	54.2	53.6	52.9	52.3	51.7	51.2	50.9	50.8	23.6	147.3
32,5°	56.2	55.0	54.4	54.0	53.4	52.9	52.3	51.7	51.2	50.8	50.8	26.1	173.4
35,0°	55.4	54.5	54.1	53.9	53.5	53.2	52.8	52.2	51.5	51.1	51.0	28.6	202.0
37,5°	55.0	54.2	54.0	54.1	54.1	54.0	53.6	52.9	52.2	51.6	51.5	31.0	233.0
40,0°	54.3	53.9	54.1	54.7	55.0	55.1	54.9	54.2	53.4	52.4	52.2	33.3	266.3
42,5°	53.7	53.9	54.5	55.5	56.3	56.8	56.8	56.0	54.7	53.4	52.9	36.0	302.3
45,0°	53.7	54.1	55.5	56.9	58.2	59.0	59.0	57.8	56.2	54.4	53.7	41.1	343.4
47,5°	54.7	54.8	56.7	58.3	59.9	61.1	61.2	59.5	57.4	55.1	54.2	50.3	393.8
50,0°	57.5	57.0	58.4	59.7	61.8	63.4	63.3	61.0	58.0	55.4	54.4	64.1	457.9
52,5°	61.5	60.0	60.1	61.2	63.5	65.0	64.7	61.9	58.2	55.1	54.1	80.0	537.8
55,0°	66.0	63.3	61.4	62.1	64.4	66.0	65.5	62.2	58.3	54.6	53.7	93.3	631.1
57,5°	71.2	67.1	63.3	63.0	65.1	66.5	65.8	62.2	57.8	53.9	53.2	98.8	729.9
60,0°	76.7	70.2	65.0	63.6	65.1	66.2	64.8	60.9	56.1	52.1	52.0	92.1	822.0
62,5°	80.1	71.9	65.9	63.1	63.6	63.8	61.8	58.0	54.1	50.5	51.4	72.6	894.5
65,0°	77.8	70.7	64.4	60.4	59.6	59.5	57.3	54.0	51.0	47.3	47.6	45.7	940.2
67,5°	68.6	64.3	59.3	55.5	54.0	53.4	51.3	48.0	43.7	45.1	64.2	21.9	962.1
70,0°	54.2	53.8	50.6	47.9	46.9	45.9	43.9	40.6	36.7	36.5	58.9	11.5	973.6
72,5°	41.2	42.2	41.3	39.8	38.7	37.9	36.1	32.7	29.4	28.7	34.9	8.3	981.9
75,0°	31.2	32.5	32.8	32.1	31.5	30.8	29.0	25.2	23.1	22.3	23.2	6.5	988.4
77,5°	22.1	24.0	24.4	24.1	24.0	24.0	22.2	18.4	16.4	15.3	15.3	4.9	993.3
80,0°	14.9	16.0	16.3	16.1	16.3	16.9	15.3	12.2	10.7	9.5	9.3	3.3	996.6
82,5°	8.9	9.6	9.8	9.6	9.6	9.5	8.5	7.3	6.4	5.6	5.2	2.1	998.7
85,0°	4.3	4.6	4.6	4.6	4.6	4.3	3.8	3.5	3.1	2.7	2.6	1.0	999.7
87,5°	1.5	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	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

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Familie Floodlight FL21 mini	Bestell-Nr.: 5XA7776C4A3A EAN: 4069025028051	LP-Nummer 59304_335
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
		siteco

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13020	89.0	93.8	91.4
95	239	252	12357	83.9	88.3	86.1
90	225	250	11729	79.1	83.3	81.2
85	211	247	11090	74.3	78.3	76.3
80	197	245	10439	69.6	73.2	71.4
75	183	242	9774	64.8	68.2	66.5
70	169	239	9099	60.1	63.2	61.6
65	156	236	8463	55.7	58.6	57.2
60	143	233	7821	51.3	54.0	52.6
55	130	229	7163	47.0	49.4	48.2
50	117	226	6498	42.7	44.8	43.8
45	105	222	5877	38.7	40.6	39.7
40	92	217	5193	34.3	36.0	35.2
35	80	212	4551	30.4	31.8	31.1
30	68	206	3903	26.5	27.6	27.0
26	58	200	3358	23.3	24.2	23.8