

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779115A01AA
EAN: 4058352584682

LP-Nummer
59255_29



Ausführung Bügel gekröpft
Optik asymmetrisch strahlend PL43
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG
Bemessungswerte Ta = 10 °C
Nettolichtstrom = 111140 lm
Systemleistung = 916.8 W
Lichtausbeute = 121.2 lm/W

Seriendokumentation
14.03.2023

sitEco

Lichtstärke in cd/klm

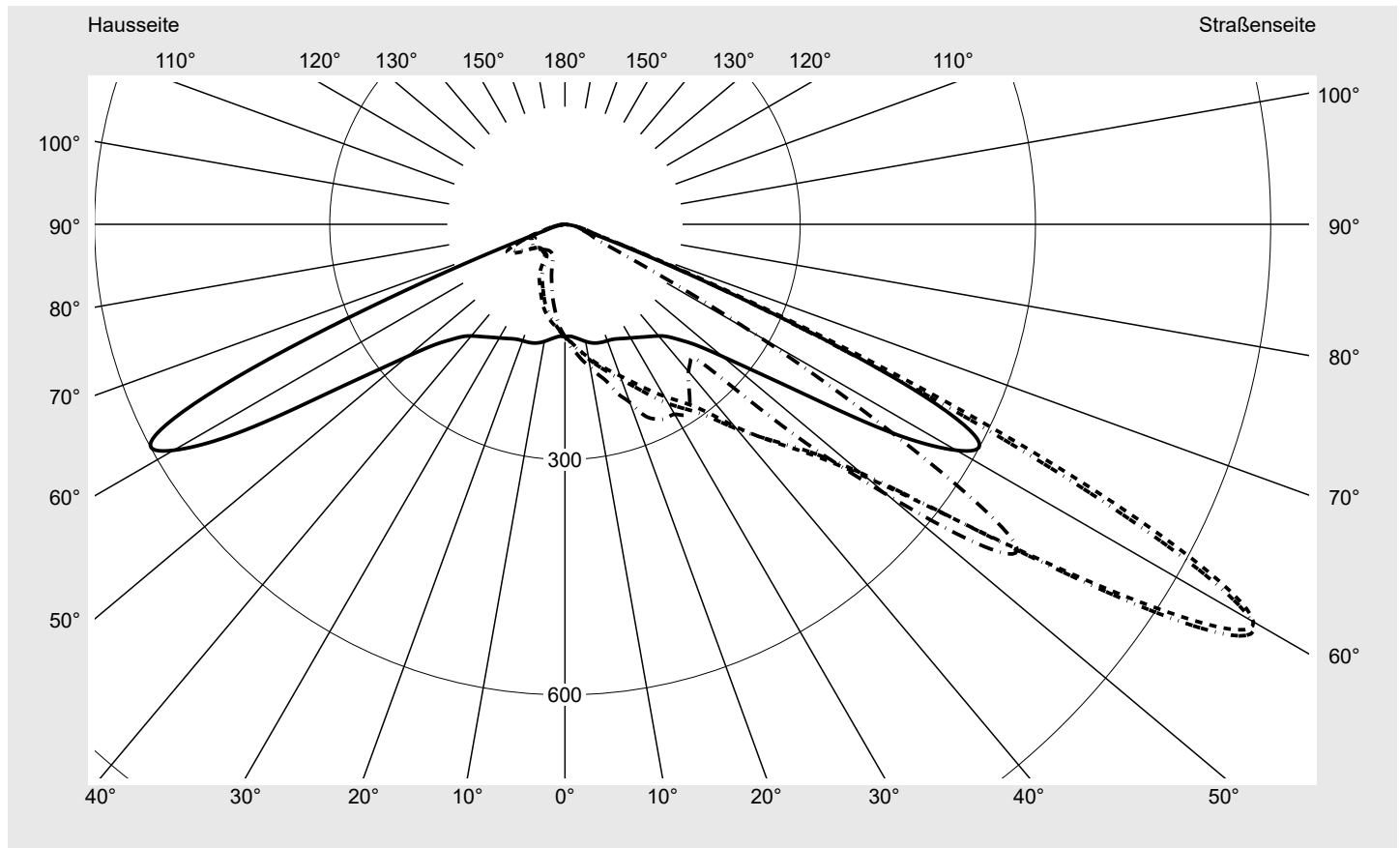
C180-0

C215-35

C220-40

C270-90

Imax: 1014 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	89.4
Imax 80°	14.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

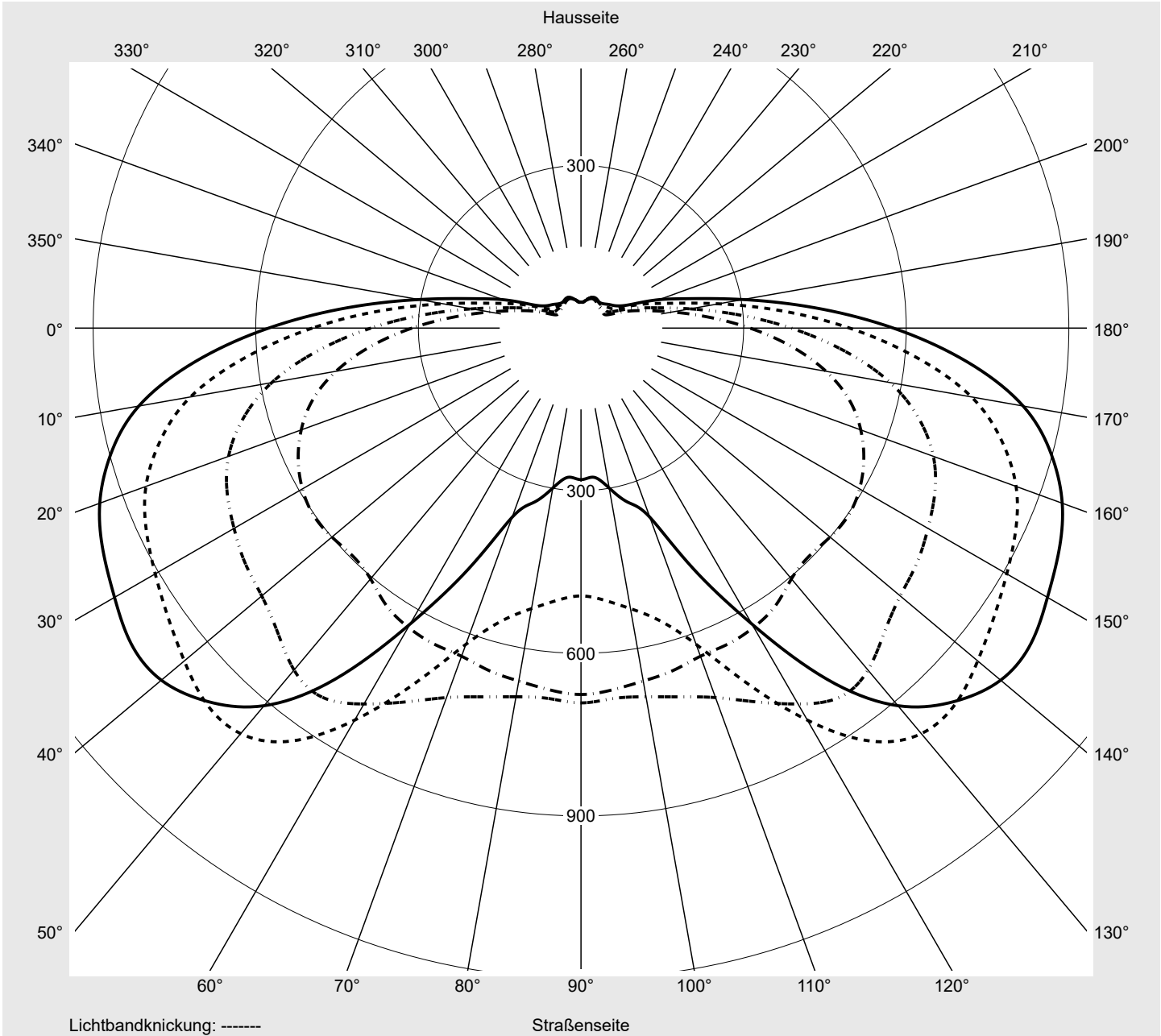
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 60°** **KMK 57,5°** **KMK 55°** **KMK 52,5°** **siteco**



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Familie Floodlight FL11	Bestell-Nr.: 5XA779115A01AA EAN: 4058352584682	LP-Nummer 59255_29
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2,5°	142.9	143.9	144.8	145.7	146.5	147.4	148.2	149.1	149.9	150.6	151.2	151.8	152.3
5,0°	144.9	146.9	148.7	150.4	152.0	153.6	155.1	156.5	157.9	159.1	160.2	161.1	162.0
7,5°	148.0	151.0	153.7	156.1	158.4	160.5	162.5	164.4	166.1	167.6	168.9	170.1	171.2
10,0°	151.7	155.4	158.9	162.0	165.0	167.6	170.2	172.4	174.4	176.2	177.7	179.0	180.2
12,5°	154.7	159.5	163.8	167.7	171.3	174.7	177.8	180.7	183.1	185.3	187.1	188.7	190.0
15,0°	156.7	162.6	167.7	172.5	177.0	181.1	185.0	188.6	191.7	194.7	197.0	199.0	200.6
17,5°	157.5	164.7	170.9	176.9	182.3	187.5	192.3	196.9	201.2	205.1	208.1	210.4	212.3
20,0°	158.0	166.4	174.1	181.2	187.6	193.7	199.7	205.6	210.9	215.7	219.5	222.6	224.9
22,5°	158.8	169.1	178.2	186.4	193.8	201.3	208.7	215.7	222.1	227.9	232.8	236.7	239.4
25,0°	161.0	172.9	183.6	192.8	201.4	210.3	219.0	227.2	235.0	242.1	248.4	252.9	255.5
27,5°	164.0	177.9	190.2	200.8	210.8	220.9	230.8	240.1	249.6	258.9	266.7	271.6	274.1
30,0°	167.3	183.6	197.7	210.1	221.6	233.0	243.2	253.1	264.0	275.8	285.7	290.4	291.6
32,5°	171.0	190.2	206.5	220.9	234.2	246.5	256.7	266.3	277.7	292.6	306.8	311.8	311.1
35,0°	175.3	198.1	217.4	234.2	248.9	261.9	272.5	282.1	292.5	310.1	329.7	338.3	329.2
37,5°	180.1	207.4	231.0	251.1	267.7	282.3	294.5	304.6	313.4	328.5	347.1	352.7	335.7
40,0°	185.8	218.1	247.2	272.7	294.1	312.4	326.8	335.8	340.4	346.8	349.1	341.7	324.5
42,5°	194.4	231.1	264.5	293.9	318.8	340.3	358.0	367.5	367.4	362.7	347.8	333.1	315.3
45,0°	208.8	252.0	289.7	323.2	350.1	372.9	391.8	400.4	396.3	381.6	359.9	338.1	317.3
47,5°	228.7	279.7	323.7	362.0	390.8	415.4	433.5	440.4	433.3	412.3	386.3	360.1	339.7
50,0°	262.1	323.3	377.5	421.9	451.7	478.4	495.9	502.0	493.9	473.6	454.2	442.5	447.2
52,5°	311.6	389.8	459.0	512.6	549.2	575.7	593.4	602.3	599.8	595.1	604.0	625.4	637.4
55,0°	387.6	488.7	579.3	645.4	691.8	720.2	739.1	756.3	768.8	792.2	823.6	831.7	800.8
57,5°	495.6	621.2	731.6	803.6	854.2	884.7	907.0	930.0	955.3	978.4	976.7	930.0	835.3
60,0°	576.2	715.2	828.3	898.1	944.8	972.9	993.7	1013.7	1010.7	974.2	909.5	790.8	630.4
62,5°	592.9	727.4	825.0	876.4	896.4	889.7	870.3	850.6	803.3	719.6	609.3	480.0	362.1
65,0°	464.2	556.2	615.7	640.1	640.1	611.8	577.6	540.6	475.6	401.1	332.2	269.0	199.4
67,5°	219.4	259.3	280.7	290.7	290.6	278.5	262.5	245.2	217.7	187.4	151.8	117.9	93.3
70,0°	69.1	77.8	79.1	84.1	88.4	89.4	88.9	87.7	83.0	72.0	67.0	63.6	59.1
72,5°	27.4	25.1	24.9	25.9	29.3	31.6	33.2	36.7	39.1	42.1	45.9	45.5	43.0
75,0°	19.3	22.1	21.1	21.6	22.4	23.6	24.8	28.2	29.4	29.9	30.9	31.4	32.0
77,5°	17.0	19.2	16.3	16.4	17.7	17.6	18.3	19.7	20.2	19.8	20.5	21.6	22.2
80,0°	13.2	12.3	11.3	11.3	11.9	12.5	12.2	12.9	13.5	13.7	13.5	13.6	14.1
82,5°	7.4	8.1	6.7	6.7	7.0	7.5	7.8	7.7	8.1	8.6	8.1	7.7	7.8
85,0°	3.4	3.7	3.4	3.4	3.5	3.7	3.8	3.7	3.5	3.3	3.2	3.0	2.8
87,5°	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	1.0	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°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2,5°	152.8	153.2	153.5	153.9	154.0	155.9	142.1	141.2	140.4	139.5	138.6	138.0	137.3
5,0°	162.9	163.6	164.2	164.6	165.0	164.9	143.1	141.2	139.2	137.2	135.1	133.3	131.4
7,5°	172.2	173.1	173.8	174.4	174.8	175.5	145.2	142.2	139.1	135.9	132.6	129.5	126.4
10,0°	181.3	182.3	183.2	184.0	184.6	184.6	147.7	143.6	139.3	134.8	130.1	125.5	121.0
12,5°	191.2	192.4	193.5	194.6	195.5	196.3	149.6	144.3	138.6	132.8	126.6	120.6	114.6
15,0°	202.0	203.2	204.7	206.4	208.0	208.1	150.3	143.7	136.6	129.3	121.9	114.6	107.5
17,5°	213.9	215.4	217.2	219.9	223.2	227.2	149.8	141.6	133.0	124.4	115.7	107.2	99.0
20,0°	226.7	228.1	229.9	233.3	239.2	241.5	148.7	138.9	128.9	119.1	109.2	99.6	91.0
22,5°	240.9	241.5	242.5	246.0	255.1	263.4	147.8	136.4	124.7	113.4	102.6	92.6	83.7
25,0°	255.8	254.6	254.0	256.8	267.6	273.9	148.0	134.6	120.9	108.2	96.6	86.5	77.6
27,5°	273.1	269.4	266.6	268.3	277.4	279.1	148.7	133.0	117.5	103.7	91.7	81.3	69.7
30,0°	289.4	282.9	277.8	279.5	285.6	279.7	149.5	131.8	114.9	100.4	88.0	76.2	56.2
32,5°	305.9	292.4	283.0	283.6	289.7	287.9	150.6	130.6	112.8	97.9	85.2	66.0	47.8
35,0°	316.5	296.5	283.1	282.2	281.5	277.6	151.5	129.5	110.7	95.5	80.4	53.8	45.7
37,5°	316.2	292.2	277.5	272.6	263.8	259.3	152.7	128.4	108.8	93.3	68.2	47.4	44.9
40,0°	303.9	282.2	265.9	254.6	246.7	245.1	154.4	127.8	107.0	90.5	55.0	46.1	44.5
42,5°	295.7	274.4	258.9	245.8	239.0	236.8	158.1	128.3	105.5	85.4	50.5	45.7	44.2
45,0°	297.3	277.2	268.1	262.3	262.2	258.5	166.4	131.4	105.4	82.0	49.7	45.5	44.0
47,5°	333.3	335.8	347.5	361.9	374.5	398.4	179.8	138.4	107.5	81.1	49.8	45.3	44.1
50,0°	468.9	489.5	511.2	527.6	540.9	537.6	201.8	151.4	113.3	83.2	52.3	46.0	45.8
52,5°	642.9	644.3	654.3	661.3	669.9	676.0	234.9	171.2	124.2	90.9	60.5	50.1	49.4
55,0°	760.8	725.5	704.3	690.7	686.0	691.6	288.2	204.3	144.7	107.5	76.7	59.8	56.0
57,5°	722.1	621.0	558.4	525.6	504.2	494.2	369.5	257.9	177.1	131.0	94.6	71.6	64.6
60,0°	489.5	371.4	332.4	299.7	276.3	279.6	432.0	303.4	209.9	153.4	104.4	81.9	72.9
62,5°	282.9	220.3	166.1	126.6	104.6	96.1	449.0	316.9	223.7	160.1	112.9	89.4	79.4
65,0°	148.0	114.0	58.9	43.7	40.2	43.4	342.5	250.4	185.5	134.8	106.2	89.3	81.1
67,5°	77.2	65.3	45.2	41.1	38.0	35.0	129.5	94.9	102.2	86.6	76.6	72.0	70.8
70,0°	51.1	44.0	36.2	32.4	29.2	27.4	36.8	28.8	35.3	44.3	45.7	48.9	53.0
72,5°	39.9	35.0	29.9	26.7	24.1	21.3	23.1	22.1	22.7	27.5	28.7	31.7	36.5
75,0°	31.1	28.4	24.3	21.0	20.0	18.3	19.1	17.4	18.1	20.3	20.7	22.9	26.7
77,5°	22.1	20.1	17.8	16.1	15.3	13.4	17.5	14.7	13.9	14.9	14.9	16.3	18.5
80,0°	13.8	12.8	11.5	10.5	9.6	9.3	12.4	11.3	9.6	10.6	10.2	10.7	11.6
82,5°	7.4	6.9	6.4	5.8	5.4	5.2	6.8	10.0	6.2	6.9	6.3	6.1	6.5
85,0°	2.5	2.4	2.2	2.1	2.0	2.2	3.2	5.6	3.4	3.2	2.9	2.8	2.8
87,5°	0.9	0.9	0.8	0.8	0.8	0.8	1.5	1.7	1.5	1.4	1.4	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

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
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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°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	0.2	0.2
2,5°	136.6	135.9	135.3	134.8	134.4	134.0	133.6	133.4	133.3	132.9	133.0	1.7	1.9
5,0°	129.6	128.0	126.3	125.0	123.7	122.5	121.5	120.8	120.2	119.7	119.6	3.4	5.4
7,5°	123.3	120.3	117.4	114.9	112.5	110.5	108.8	107.4	106.5	105.8	105.5	5.2	10.5
10,0°	116.5	112.2	108.2	104.6	101.4	98.6	96.3	94.5	93.1	92.2	91.8	6.9	17.4
12,5°	109.0	103.7	98.5	93.9	89.7	86.1	83.1	80.9	79.2	78.2	77.8	8.6	26.0
15,0°	100.6	94.1	88.2	83.0	78.6	74.9	71.8	69.4	67.8	66.8	66.4	10.3	36.3
17,5°	91.4	84.4	78.4	73.2	68.5	64.2	60.4	57.5	55.4	54.2	53.8	12.0	48.3
20,0°	83.4	76.3	69.2	61.4	54.6	49.9	47.0	45.4	44.3	43.8	43.6	13.7	62.1
22,5°	75.9	66.6	55.9	48.6	45.4	43.9	42.9	42.2	41.6	41.2	41.1	15.6	77.7
25,0°	67.6	55.0	47.3	44.6	43.4	42.5	41.6	41.0	40.5	40.1	40.1	17.6	95.3
27,5°	54.3	46.4	44.3	43.3	42.5	41.8	41.1	40.4	39.9	39.6	39.5	19.9	115.2
30,0°	46.4	44.5	43.5	42.8	42.2	41.5	40.7	40.1	39.6	39.3	39.2	22.2	137.4
32,5°	44.9	43.8	43.2	42.6	42.0	41.5	40.9	40.3	39.8	39.5	39.4	24.6	162.0
35,0°	44.2	43.5	42.9	42.6	42.4	42.1	41.7	41.2	40.6	40.2	40.0	27.1	189.1
37,5°	43.9	43.0	42.7	42.9	43.1	43.2	42.9	42.2	41.6	41.0	40.8	29.4	218.5
40,0°	43.4	42.8	42.9	43.6	44.2	44.5	44.4	43.9	43.1	42.4	42.1	31.6	250.0
42,5°	43.2	42.9	43.5	44.4	45.6	46.5	46.7	46.1	45.1	43.9	43.5	34.0	284.1
45,0°	43.3	43.7	44.5	46.0	47.7	49.2	49.6	48.7	47.2	45.6	45.0	37.6	321.7
47,5°	44.2	44.8	46.1	48.1	50.5	52.3	52.6	51.2	49.1	47.0	46.1	44.4	366.1
50,0°	46.5	47.2	48.6	50.8	53.4	55.3	55.6	53.6	50.8	48.1	47.2	56.3	422.5
52,5°	50.3	50.3	51.3	53.4	55.9	57.8	57.8	55.3	51.8	48.7	47.8	72.5	495.0
55,0°	55.0	53.7	53.6	55.3	57.9	59.7	59.4	56.4	52.4	48.8	47.9	90.1	585.1
57,5°	61.0	58.0	56.6	57.3	59.6	61.2	60.5	57.1	52.7	48.9	48.1	101.8	686.9
60,0°	67.7	62.8	59.5	58.6	60.4	61.7	60.4	56.5	51.8	47.9	47.7	99.8	786.7
62,5°	72.9	67.0	61.6	59.1	59.7	60.3	58.2	54.1	50.0	46.9	47.9	84.4	871.1
65,0°	73.6	67.7	61.5	57.3	56.5	56.3	53.4	49.3	45.7	42.4	42.1	58.8	930.0
67,5°	67.4	62.8	56.7	52.6	50.6	48.8	45.7	41.6	37.8	38.1	46.3	30.5	960.5
70,0°	54.3	52.8	48.6	44.1	42.4	41.2	38.7	34.9	31.4	31.5	46.2	14.0	974.4
72,5°	40.1	39.7	38.0	36.1	34.7	33.6	31.1	27.7	24.6	23.9	28.3	8.4	982.8
75,0°	29.2	30.2	29.5	28.2	27.4	25.9	23.6	20.3	18.0	17.6	18.4	6.4	989.2
77,5°	20.4	21.5	20.3	19.1	18.9	18.8	17.2	14.5	12.8	11.7	11.4	4.7	994.0
80,0°	12.4	13.0	12.8	12.0	11.3	10.7	9.7	8.7	7.8	7.1	6.9	3.1	997.1
82,5°	6.7	6.9	6.9	6.2	5.8	5.6	5.1	4.6	4.1	3.8	3.7	1.8	998.9
85,0°	3.0	2.8	2.6	2.4	2.1	1.9	1.8	1.8	1.7	1.7	1.7	0.8	999.7
87,5°	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	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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Bestell-Nr.: 5XA779115A01AA
EAN: 4058352584682

LP-Nummer
59255_29

Dimmstufen-Tabelle

Umgebungstemperatur: 10°C

siteco

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W]
100	254	111140	916.8
95	233	105550	838.6
90	215	100004	771.6
85	199	94582	712.7
80	183	88804	653.5
75	169	83394	601.9
70	155	77798	551.2
65	142	72384	504.2
60	129	66807	457.6
55	116	60954	411.7
50	104	55573	368.4
45	92	49848	326.3
40	81	44444	287.6
35	70	38933	248.9
30	59	33242	210.4
25	49	28002	176.2
20	38	22026	138.7
15	28	16548	104.9
10	18	10896	71.2
5	9	5678	41.3
1	2	1539	16.8

Dimmstufen-Tabelle

Umgebungstemperatur: 25°C

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W]
100	----	----	----
95	----	----	----
91	215	96510	766.2
90	211	95309	751.3
85	194	89930	688.6
80	179	84792	633.8
75	164	79319	579.1
70	151	74287	531.9
65	137	68690	481.9
60	125	63708	439.2
55	113	58421	396.7
50	101	53200	354.6
45	89	47572	312.6
40	78	42285	274.4
35	67	36904	235.8
30	57	31801	201.4
25	47	26577	167.4
20	37	21233	133.8
15	27	15827	100.3
10	18	10795	70.4
5	8	5044	37.5
1	2	1527	16.6

Lichttechnischer Prüfbefund

Familie Floodlight FL11	Bestell-Nr.: 5XA779115A01AA EAN: 4058352584682	LP-Nummer 59255_29
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Lichtstrom-Tabelle	siteco
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Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	111140.0	916.8
25.0	96730.0	769.0