

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779127C01AA
EAN: 4058352851036

LP-Nummer
59236_38



Ausführung Bügel gekröpft
Optik asymmetrisch strahlend PL61
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 5000 K | CRI ≥ 70
Betriebsgerät EVG-DALI
Bemessungswerte Ta = 10 °C
Nettolichtstrom = 177720 lm
Systemleistung = 1425.5 W
Lichtausbeute = 124.7 lm/W

Seriendokumentation
02.11.2023

siteco

Lichtstärke in cd/klm

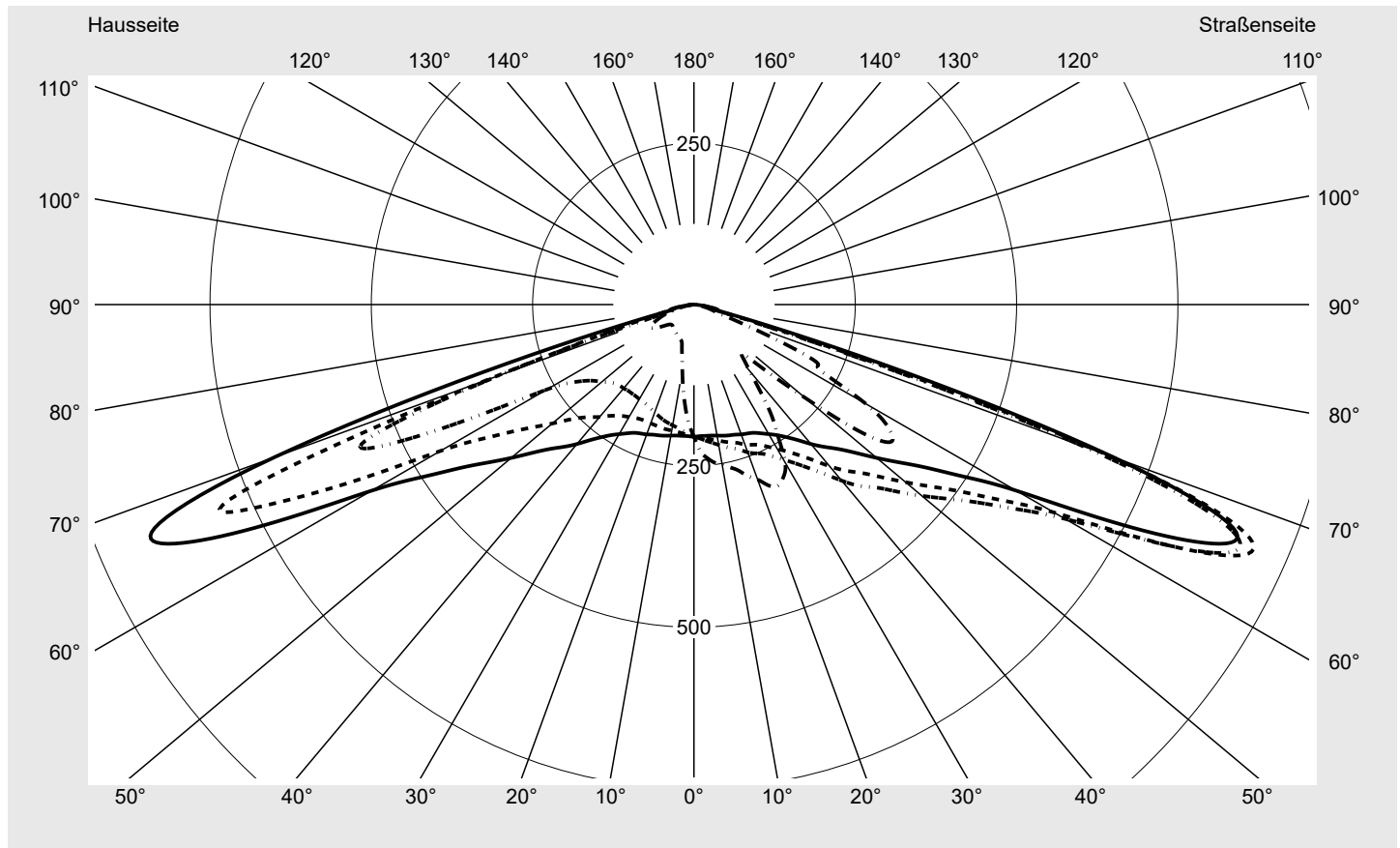
C180-0

C185-5

C190-10

C270-90

Imax: 924 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	692.3
Imax 80°	30.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

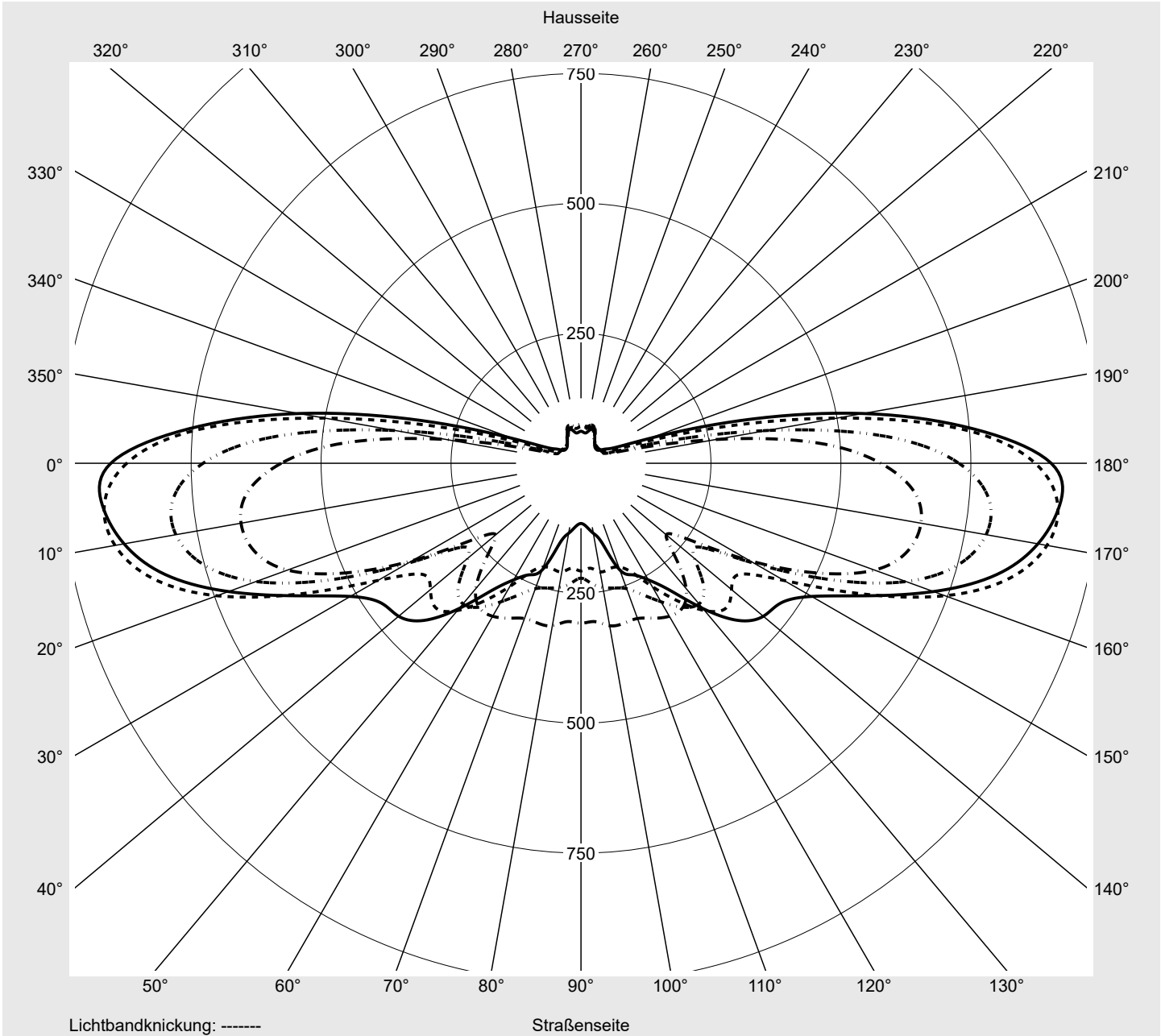
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



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Familie Floodlight FL11	Bestell-Nr.: 5XA779127C01AA EAN: 4058352851036	LP-Nummer 59236_38
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°	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8
2,5°	204.1	205.9	207.6	209.4	211.0	212.6	214.0	215.5	216.8	218.0	219.2	220.1	221.1
5,0°	204.3	208.1	211.7	215.1	218.3	221.3	224.0	226.5	228.6	230.5	232.2	233.5	234.7
7,5°	204.7	210.6	216.0	220.8	225.0	228.8	232.0	234.9	237.1	239.0	240.7	242.0	243.1
10,0°	206.2	213.9	220.8	226.7	231.6	235.7	239.0	241.6	243.4	245.1	246.3	247.5	248.5
12,5°	208.1	217.6	225.8	232.8	238.2	242.2	245.2	247.4	249.0	250.5	251.6	252.7	253.8
15,0°	209.8	221.1	230.6	238.4	244.1	248.1	251.0	253.2	254.7	256.3	257.5	258.9	260.4
17,5°	211.4	224.8	235.6	244.3	250.3	254.1	257.1	259.4	261.3	263.4	265.0	266.9	268.9
20,0°	214.1	230.8	243.7	252.6	257.5	260.6	263.4	265.7	268.2	270.9	273.6	276.5	279.0
22,5°	216.2	235.1	249.5	259.0	263.9	267.5	270.6	273.8	276.7	280.5	284.6	288.8	292.0
25,0°	219.3	240.0	255.4	265.5	271.3	275.6	279.2	282.8	286.7	291.7	297.1	302.3	305.5
27,5°	224.9	248.4	265.4	276.0	282.4	286.8	290.4	294.3	299.5	305.6	311.0	314.3	315.2
30,0°	231.8	258.3	277.3	288.5	295.5	300.5	304.4	308.1	312.6	317.6	320.2	319.2	314.6
32,5°	240.0	270.2	291.6	303.6	311.4	317.0	321.3	325.1	327.0	326.0	322.4	315.3	304.8
35,0°	251.0	285.3	309.0	322.8	331.8	337.8	341.8	343.9	340.7	330.8	318.4	305.6	290.0
37,5°	264.8	303.9	330.0	345.6	355.4	362.0	364.9	361.5	349.7	331.0	310.0	292.0	270.3
40,0°	282.0	327.0	356.1	372.8	383.3	389.8	391.1	379.8	355.4	325.3	296.0	267.5	238.5
42,5°	299.1	349.3	381.5	400.1	410.6	416.3	412.2	389.5	350.3	306.4	265.4	228.3	197.1
45,0°	316.6	369.4	401.3	419.1	428.3	430.6	416.6	381.3	333.5	281.9	233.9	194.2	165.1
47,5°	340.2	396.4	429.6	445.6	453.0	449.8	423.6	375.7	317.5	257.6	204.8	168.1	148.1
50,0°	369.6	428.3	461.1	474.4	477.4	463.0	422.5	363.0	295.4	230.2	181.3	159.0	162.0
52,5°	401.9	463.3	494.2	504.2	500.7	470.9	414.9	342.7	265.8	202.0	174.5	186.1	216.1
55,0°	441.1	505.3	534.1	538.4	524.1	476.3	403.0	316.4	233.2	186.7	198.5	241.5	284.7
57,5°	496.4	564.0	588.7	584.0	554.2	482.5	388.1	284.4	206.9	201.3	252.0	305.4	339.5
60,0°	576.7	644.3	664.1	651.1	600.9	499.1	374.5	259.3	214.2	257.9	314.6	339.9	339.9
62,5°	727.1	787.6	791.4	752.3	665.5	530.0	385.4	281.8	285.1	333.6	353.2	337.8	307.7
65,0°	873.9	920.6	910.3	854.1	745.2	594.1	451.0	372.6	378.1	394.2	369.9	322.8	273.7
67,5°	904.6	924.4	892.6	827.7	721.6	603.3	512.4	469.0	457.9	427.6	364.8	298.4	259.0
70,0°	692.3	683.4	640.8	616.3	574.3	530.6	499.4	482.0	461.6	395.0	327.5	275.1	237.3
72,5°	304.0	238.3	203.0	260.5	362.4	384.3	380.7	369.4	325.3	266.7	227.4	180.7	147.1
75,0°	64.8	47.4	44.1	55.4	144.8	194.0	196.1	169.5	92.1	70.4	94.1	71.8	61.3
77,5°	36.5	33.7	33.3	31.6	45.4	59.9	56.3	31.9	26.4	27.1	33.5	31.7	28.1
80,0°	30.4	27.3	26.5	25.1	23.1	23.0	20.7	17.5	16.7	16.2	16.3	19.2	19.4
82,5°	16.5	15.6	16.7	16.1	13.7	12.7	11.6	10.0	9.6	9.3	8.7	9.1	10.2
85,0°	6.6	6.6	7.3	7.3	6.4	5.7	5.0	4.6	4.2	3.8	3.5	3.2	3.1
87,5°	2.2	2.3	2.2	2.2	2.0	1.8	1.6	1.4	1.3	1.1	1.1	1.0	1.0
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

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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°	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8
2,5°	222.0	222.8	223.4	224.0	224.3	227.3	202.3	200.6	198.8	197.0	195.2	193.6	192.1
5,0°	235.9	236.9	237.7	238.2	238.6	238.9	200.4	196.6	192.6	188.6	184.7	181.0	177.5
7,5°	244.1	244.8	245.4	245.9	246.3	247.2	198.9	192.9	186.6	180.5	174.3	168.5	162.8
10,0°	249.5	250.1	250.7	251.1	251.6	252.1	198.3	190.0	181.6	173.1	164.7	156.5	148.6
12,5°	254.9	255.9	256.5	257.0	257.6	258.5	198.0	187.5	176.9	166.2	155.4	144.9	134.5
15,0°	261.9	263.3	264.4	265.2	266.0	266.2	197.5	184.7	171.8	159.0	146.2	133.6	121.7
17,5°	271.0	273.0	274.7	275.9	276.8	278.8	196.5	181.1	165.7	150.7	135.6	121.7	109.2
20,0°	281.5	283.8	286.0	287.6	288.8	288.5	195.8	177.8	159.7	141.9	125.1	110.6	98.7
22,5°	294.3	296.3	298.4	300.3	301.5	303.6	195.4	174.3	153.3	132.9	114.7	100.2	87.9
25,0°	306.5	306.1	306.6	307.9	308.7	309.1	196.0	171.7	147.3	124.8	105.3	89.2	76.0
27,5°	312.0	306.2	303.2	303.4	303.1	300.7	197.9	169.9	141.7	116.5	94.3	76.2	68.3
30,0°	305.5	293.7	287.1	285.4	282.4	282.6	201.2	169.1	137.0	108.7	81.8	68.5	65.3
32,5°	289.9	273.0	262.8	257.1	249.5	243.0	204.8	168.2	131.9	98.7	72.2	65.3	63.6
35,0°	268.4	245.7	231.9	220.0	208.5	209.7	210.4	168.0	126.5	87.6	66.8	63.4	62.1
37,5°	242.5	214.8	198.3	180.4	168.5	167.6	217.5	168.0	118.2	76.7	63.6	61.4	60.4
40,0°	206.1	177.7	162.1	141.9	133.3	135.1	227.3	169.5	107.3	68.2	60.9	59.3	58.5
42,5°	170.8	149.5	133.4	119.3	114.5	113.1	236.5	170.2	97.2	63.0	58.3	57.1	56.4
45,0°	145.3	128.7	118.9	111.2	108.8	108.8	248.1	172.9	92.0	60.1	56.3	55.1	54.2
47,5°	142.0	138.1	139.0	141.9	143.6	153.7	264.5	178.3	89.3	58.1	54.7	53.4	52.4
50,0°	178.8	195.0	206.9	220.9	226.9	224.5	286.8	186.2	88.9	56.5	53.1	51.7	50.8
52,5°	247.7	273.0	293.1	311.6	317.7	321.5	311.7	194.2	88.9	55.1	51.5	50.2	49.2
55,0°	320.9	344.4	359.9	372.8	371.0	371.4	343.0	206.1	91.2	54.2	50.0	48.7	47.8
57,5°	355.1	358.8	363.7	367.9	359.6	358.6	386.1	224.8	96.0	53.6	48.6	47.1	46.5
60,0°	328.9	317.8	318.6	317.3	305.8	307.7	453.8	263.3	108.8	54.4	47.4	46.0	45.4
62,5°	278.5	256.8	248.5	242.4	232.3	221.1	590.3	362.7	154.6	61.6	47.4	45.6	44.5
65,0°	231.6	212.4	210.3	212.2	202.7	207.2	740.4	500.4	255.9	94.5	53.9	47.0	43.6
67,5°	236.9	218.5	160.4	136.8	122.6	115.9	758.3	551.2	317.3	138.6	70.9	54.8	43.8
70,0°	212.7	183.9	65.2	48.9	46.2	50.5	337.4	322.6	227.0	124.9	74.3	60.0	45.2
72,5°	128.8	109.5	39.2	34.3	33.8	31.2	126.8	73.2	68.7	66.6	49.6	46.1	37.0
75,0°	60.8	58.1	29.6	25.8	25.1	24.1	57.8	34.5	34.5	35.0	31.4	29.8	27.8
77,5°	27.9	27.5	20.6	18.4	17.7	15.6	32.8	27.6	25.4	24.2	22.8	21.4	20.4
80,0°	15.8	14.4	12.7	11.6	10.7	10.4	27.2	20.6	17.6	16.6	16.8	14.6	13.9
82,5°	8.2	7.7	6.9	6.4	5.9	5.7	15.1	12.9	10.8	10.2	12.6	8.6	8.3
85,0°	2.8	2.6	2.5	2.4	2.4	2.5	6.7	5.9	5.4	4.9	5.2	4.3	4.0
87,5°	1.0	1.0	1.0	1.0	1.0	1.0	2.2	2.1	2.1	2.0	1.9	1.7	1.6
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

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	0.3	0.3
2,5°	190.7	189.5	188.2	187.3	186.4	185.7	185.3	184.9	184.7	184.2	184.4	2.4	2.7
5,0°	174.2	171.1	168.2	165.7	163.5	161.5	160.0	158.7	158.0	157.2	157.1	4.8	7.5
7,5°	157.4	152.4	147.7	143.5	139.8	136.6	134.0	132.1	130.6	129.5	129.2	7.0	14.6
10,0°	141.0	133.8	127.2	121.6	116.8	112.7	109.5	107.0	105.2	104.0	103.6	9.1	23.6
12,5°	124.9	116.3	108.4	101.9	96.7	92.6	89.5	87.2	85.7	84.7	84.4	11.1	34.7
15,0°	111.0	101.7	94.1	87.9	83.1	79.5	76.8	74.9	73.4	72.5	72.2	13.1	47.8
17,5°	98.8	89.9	81.4	74.6	69.9	66.9	65.0	63.8	62.9	62.3	62.1	15.1	62.9
20,0°	88.4	77.5	70.9	67.1	64.5	62.6	61.2	60.2	59.5	59.0	58.8	17.3	80.2
22,5°	76.3	69.9	66.6	64.8	63.1	61.6	60.2	59.1	58.3	57.7	57.4	19.6	99.8
25,0°	69.3	66.4	65.2	64.1	62.8	61.4	60.0	58.7	57.7	56.9	56.6	22.0	121.8
27,5°	65.8	64.8	64.3	63.8	62.9	61.7	60.1	58.5	57.1	56.0	55.5	24.3	146.0
30,0°	64.3	63.9	63.8	63.7	63.1	61.8	59.7	57.6	55.7	54.4	53.7	26.3	172.3
32,5°	63.0	63.0	63.3	63.3	62.5	60.8	58.6	56.5	54.5	52.9	52.1	28.1	200.4
35,0°	61.7	61.9	62.1	61.9	61.1	59.8	58.0	56.0	54.2	52.6	51.7	29.6	230.1
37,5°	60.1	60.2	60.2	60.2	59.8	58.9	57.1	55.0	53.0	51.3	50.3	31.0	261.1
40,0°	58.2	58.0	58.2	58.3	58.3	57.1	55.3	53.4	51.5	49.8	48.8	32.2	293.3
42,5°	55.8	55.8	56.0	56.3	55.9	54.8	53.5	52.1	50.5	48.8	47.7	33.2	326.5
45,0°	53.7	53.6	53.8	53.6	53.2	52.8	52.1	51.0	49.6	47.8	46.7	34.0	360.6
47,5°	51.9	51.7	51.5	51.0	51.2	51.2	50.9	50.5	49.3	47.6	46.6	36.3	396.9
50,0°	50.2	49.9	49.1	49.1	49.6	49.9	50.6	50.8	50.1	48.8	47.9	40.4	437.3
52,5°	48.7	48.0	47.6	47.7	48.4	49.9	51.9	53.2	52.9	52.1	51.7	45.7	483.0
55,0°	47.1	46.4	46.5	46.8	48.1	51.1	55.5	58.0	57.9	58.0	58.3	51.3	534.3
57,5°	45.5	45.2	45.8	46.5	48.8	54.1	61.2	64.5	63.9	64.7	65.9	55.9	590.2
60,0°	44.1	44.2	44.9	46.4	50.2	58.1	68.0	71.4	69.3	70.6	72.8	60.0	650.3
62,5°	43.1	43.1	44.1	46.7	52.3	62.6	73.9	76.1	72.0	73.2	75.8	66.5	716.7
65,0°	42.0	41.8	43.2	46.8	53.8	64.8	75.3	75.0	68.6	68.4	70.7	75.8	792.5
67,5°	40.0	39.9	41.4	45.6	52.8	62.1	68.9	66.5	59.7	59.6	61.6	78.1	870.6
70,0°	37.0	36.6	38.1	41.7	48.1	56.1	61.3	58.0	51.5	50.7	52.3	62.2	932.8
72,5°	31.9	31.2	32.8	36.8	42.3	48.1	50.6	46.7	40.8	39.7	41.0	35.6	968.4
75,0°	25.9	25.7	27.4	30.7	34.5	36.9	36.2	32.6	28.4	27.5	28.4	15.4	983.8
77,5°	19.9	19.9	20.7	22.3	24.1	25.7	25.4	22.7	20.1	19.4	20.0	7.4	991.2
80,0°	13.4	13.2	13.7	14.6	14.9	15.2	14.8	13.1	11.7	11.3	11.4	4.7	995.9
82,5°	7.9	7.6	7.7	7.6	7.7	7.7	7.1	6.1	5.5	5.4	5.4	2.6	998.5
85,0°	3.6	3.4	3.1	2.9	2.6	2.4	2.2	2.2	2.1	2.1	2.0	1.1	999.6
87,5°	1.5	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.1	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	1000.0

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Dimmstufen-Tabelle Umgebungstemperatur: 10°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	177720	1425.5
95	232	251	169025	1297.9
90	213	248	160035	1188.0
85	196	245	151028	1090.3
80	181	242	142258	1003.6
75	167	239	133531	922.5
70	153	235	124727	842.9
65	139	232	115269	764.2
60	127	229	106961	696.9
55	115	225	97742	629.9
50	103	221	89083	563.3
45	90	216	79611	491.7
40	79	211	70706	431.9
35	69	206	62402	377.6
30	58	200	53204	317.3
25	47	192	44455	258.0
20	38	184	35704	210.5
15	28	173	26847	157.9
10	19	159	18060	111.2
5	9	132	9088	59.2
1	2	77	2437	21.2

Dimmstufen-Tabelle Umgebungstemperatur: 25°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	---	---	---	---
95	---	---	---	---
93	219	249	157428	1214.1
90	209	247	152822	1156.4
85	192	244	144117	1058.7
80	176	241	135685	966.7
75	162	238	127387	886.6
70	149	235	118965	813.3
65	135	231	110121	735.1
60	123	228	102057	668.6
55	112	224	93461	608.1
50	98	219	84615	530.4
45	88	215	76597	476.2
40	77	210	68007	416.8
35	66	205	59132	356.7
30	56	199	50643	303.2
25	46	192	42916	250.0
20	36	183	33599	197.8
15	27	172	25692	151.2
10	18	157	17111	104.4
5	8	127	8100	53.3
1	2	77	2417	20.9

Lichttechnischer Prüfbefund

Familie Floodlight FL11	Bestell-Nr.: 5XA779127C01AA EAN: 4058352851036	LP-Nummer 59236_38
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Lichtstrom-Tabelle	siteco
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Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	177720.0	1425.5
25.0	158000.0	1221.6