

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779116F01BA
EAN: 4058352822784

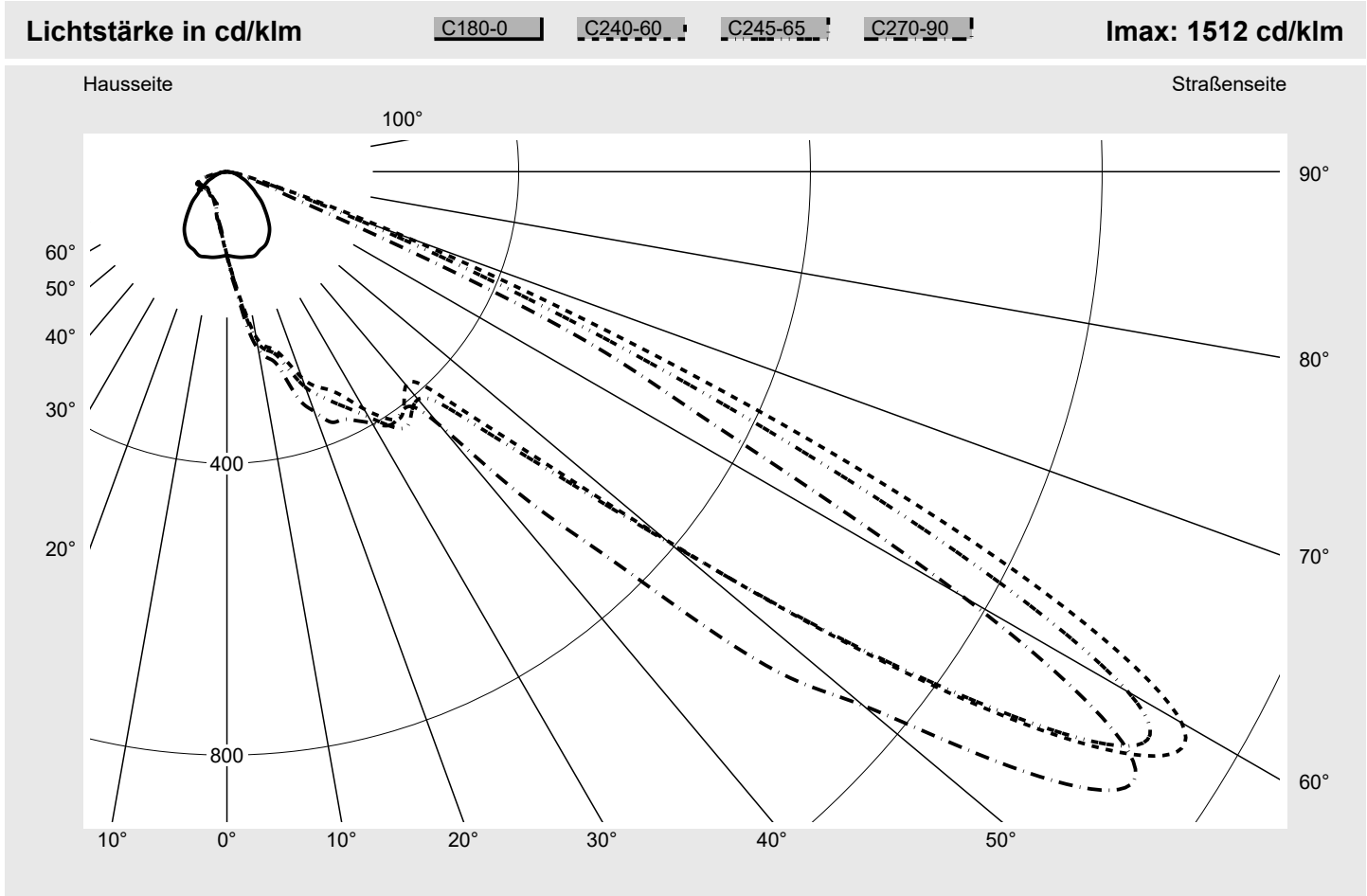
LP-Nummer
59254_56



Ausführung Bügel gekröpft
Optik asymmetrisch strahlend PL33T
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG-DALI
Bemessungswerte Ta = 10 °C
 Nettolichtstrom = 91200 lm
 Systemleistung = 663.7 W
 Lichtausbeute = 137.4 lm/W

Seriendokumentation
21.07.2023





Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G6
Eta 0° - 90°	100.0%	Imax 70°	293.1
Eta 90° - 180°	0.0%	Imax 80°	14.2
		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

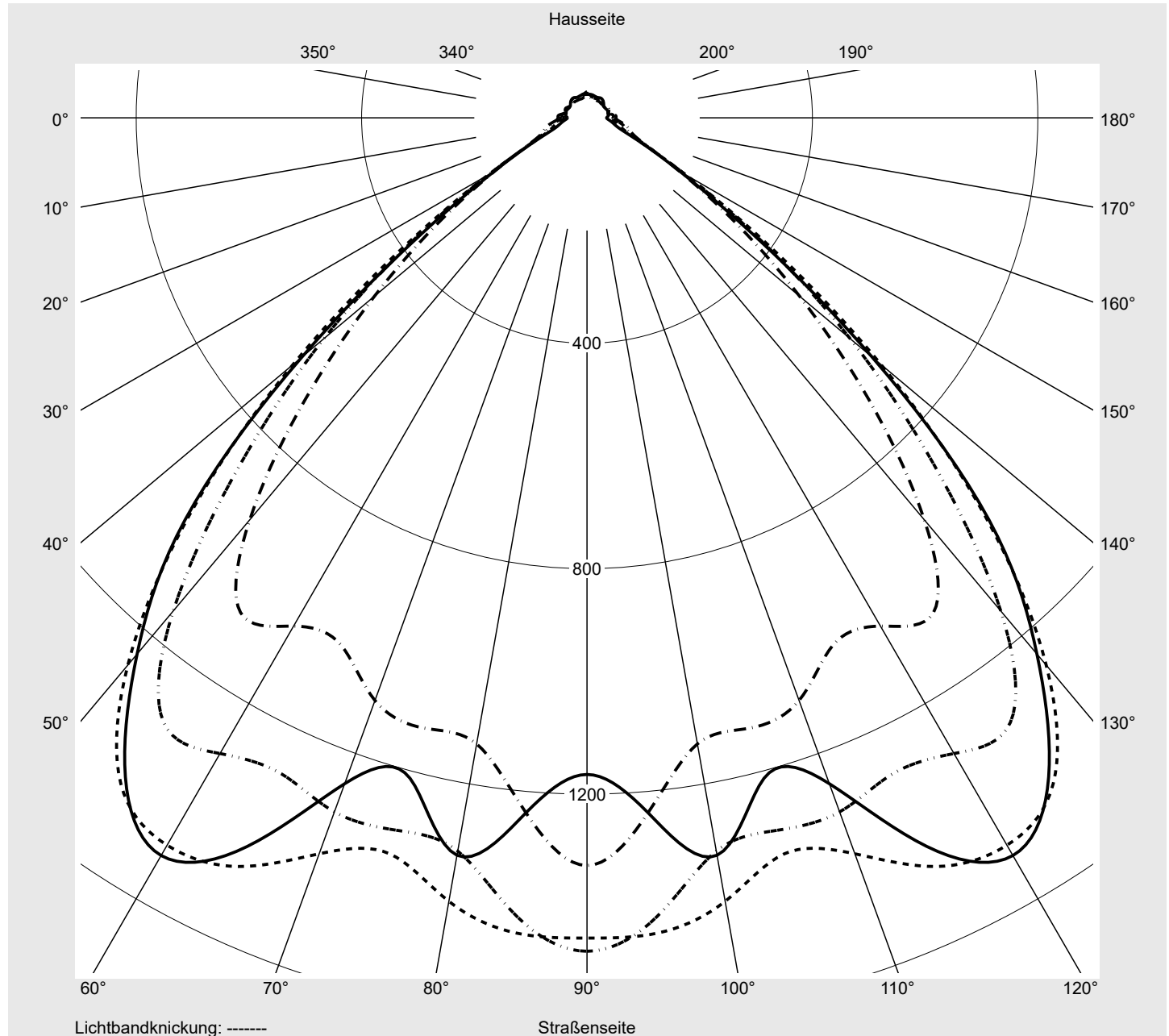
KMK 60°

KMK 57.5°

KMK 55°

KMK 52.5°

sit^{eco}



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Familie Floodlight FL11				Bestell-Nr.: 5XA779116F01BA EAN: 4058352822784								LP-Nummer 59254_56		
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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	
2,5°	115.9	117.8	119.7	121.5	123.4	125.2	127.0	128.8	130.5	131.9	133.2	134.2	135.3	
5,0°	117.1	121.3	125.6	129.8	134.2	138.3	142.4	146.4	150.1	153.5	156.8	159.9	162.8	
7,5°	118.3	124.1	130.4	136.4	142.6	148.8	155.3	162.1	168.8	175.4	182.2	189.0	195.4	
10,0°	119.3	126.8	134.5	142.4	151.3	160.9	171.1	181.6	192.6	203.6	214.1	223.0	230.3	
12,5°	119.8	129.0	139.4	150.3	162.7	175.1	187.4	200.1	212.5	223.0	231.9	239.5	245.6	
15,0°	120.7	131.9	144.3	157.2	170.3	183.2	196.8	209.8	221.1	230.4	238.2	245.7	253.1	
17,5°	121.5	133.8	147.1	160.7	173.9	188.6	203.4	216.6	227.5	236.8	246.9	259.4	272.5	
20,0°	119.8	133.6	147.5	161.2	176.3	193.1	210.5	225.9	238.6	250.8	266.8	284.5	300.8	
22,5°	116.8	131.1	146.6	161.5	178.5	197.9	218.3	235.9	249.3	265.0	286.2	304.9	318.7	
25,0°	115.3	128.1	142.9	160.9	179.9	199.8	221.6	240.6	253.5	271.5	293.5	312.2	329.9	
27,5°	113.7	125.3	137.4	158.3	178.2	198.8	220.7	242.0	257.3	277.0	300.8	326.5	348.4	
30,0°	110.6	122.0	132.5	153.9	175.5	195.6	219.8	248.1	269.8	294.7	324.9	355.7	375.6	
32,5°	106.2	118.6	127.7	149.6	171.9	193.1	222.3	256.7	284.7	313.1	348.5	381.3	399.7	
35,0°	101.5	113.9	123.3	144.5	166.4	191.2	224.8	260.7	291.8	321.5	358.8	390.8	413.1	
37,5°	95.8	106.4	118.0	137.5	159.7	186.2	223.8	257.5	285.2	314.5	349.5	379.3	399.0	
40,0°	88.4	96.3	109.5	127.9	150.5	179.8	220.9	250.8	275.3	305.2	341.3	364.0	382.1	
42,5°	81.0	87.2	100.4	118.1	139.5	173.8	220.1	250.3	278.2	318.0	358.6	378.8	396.9	
45,0°	73.5	78.9	93.2	111.7	132.2	169.5	220.8	256.6	301.2	362.9	416.9	458.3	472.5	
47,5°	66.9	72.2	87.1	103.0	121.1	156.3	209.4	261.0	334.8	427.1	526.9	585.7	591.5	
50,0°	59.9	61.5	73.3	85.5	98.0	128.1	188.1	269.9	388.8	533.6	698.5	798.8	784.9	
52,5°	51.4	55.5	67.8	77.4	87.6	117.4	189.0	316.2	492.3	707.7	931.2	1071.9	1041.5	
55,0°	46.1	50.5	62.6	70.6	82.4	114.7	200.7	369.8	609.3	871.2	1142.3	1309.8	1302.6	
57,5°	40.2	43.9	54.3	62.0	75.5	111.5	202.5	390.4	681.2	999.1	1267.7	1442.4	1490.3	
60,0°	34.9	38.5	45.2	52.9	69.0	109.8	191.1	356.9	660.3	1008.6	1242.1	1428.2	1511.5	
62,5°	30.9	33.3	37.7	44.9	59.8	97.7	158.8	278.0	512.4	813.0	1008.6	1237.1	1295.6	
65,0°	26.8	28.7	32.7	39.5	49.3	73.0	115.3	190.6	336.2	538.9	731.9	943.1	924.7	
67,5°	21.4	22.4	26.6	32.5	40.3	52.1	74.3	113.3	187.7	307.0	459.4	575.1	534.1	
70,0°	18.4	18.3	20.4	27.2	35.3	42.2	54.2	70.0	98.5	151.6	233.9	293.1	253.9	
72,5°	15.1	15.5	16.6	21.9	28.1	33.3	38.7	45.1	54.2	70.0	91.0	111.2	98.9	
75,0°	12.7	13.1	13.5	16.2	20.2	22.7	25.8	26.8	30.7	34.4	39.7	46.0	41.9	
77,5°	10.1	10.8	11.0	12.3	14.2	15.1	15.9	16.2	17.8	19.7	22.3	24.9	23.6	
80,0°	8.4	8.0	8.3	9.8	9.4	9.6	9.4	9.8	10.8	11.4	13.1	13.8	13.3	
82,5°	7.0	5.9	5.3	6.3	6.1	5.6	5.1	5.5	5.8	6.2	7.1	7.3	6.9	
85,0°	3.7	3.0	2.5	2.5	2.4	2.3	2.4	2.4	2.4	2.7	3.0	3.1	3.0	
87,5°	0.8	0.7	0.7	0.7	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	
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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2,5°	136.2	136.9	137.5	138.0	138.4	142.8	114.0	112.3	110.6	109.1	107.4	106.0	104.6
5,0°	165.4	167.6	169.5	171.1	172.2	171.0	113.1	109.5	106.2	103.1	100.1	97.4	95.0
7,5°	201.0	205.3	208.7	211.4	213.4	215.0	112.7	107.4	102.5	98.0	94.0	90.4	87.2
10,0°	236.0	240.3	243.5	245.8	247.5	247.6	112.1	105.5	99.3	93.5	88.3	84.2	80.7
12,5°	250.6	254.2	257.0	259.0	260.5	262.0	111.2	103.1	95.7	89.2	83.4	79.0	75.2
15,0°	259.9	265.8	271.3	275.8	279.2	278.8	110.3	100.9	92.7	84.9	78.0	72.5	68.3
17,5°	285.5	297.2	307.1	314.2	319.2	326.4	109.2	97.1	87.1	79.6	73.0	67.5	63.4
20,0°	314.7	325.4	334.0	341.6	348.0	349.8	105.4	93.1	83.4	75.1	68.0	63.2	59.8
22,5°	332.6	346.4	355.5	362.2	367.7	371.6	103.2	90.0	78.9	70.2	63.8	59.2	54.4
25,0°	349.6	366.6	373.1	374.0	374.3	375.0	100.0	85.6	75.1	66.7	60.4	54.2	50.4
27,5°	367.3	384.2	392.0	390.8	385.7	384.9	95.1	80.6	71.4	63.5	56.4	50.9	48.3
30,0°	388.4	402.0	408.5	405.1	400.6	398.3	90.6	76.8	67.6	60.3	52.7	49.0	46.5
32,5°	412.6	421.2	419.2	410.7	409.5	412.7	86.7	73.1	63.8	55.8	50.5	47.5	45.2
35,0°	428.1	430.1	422.3	413.7	409.5	410.4	81.8	68.6	59.9	52.5	48.9	46.0	43.9
37,5°	416.0	425.5	416.3	408.9	404.6	406.4	77.3	64.4	54.5	49.5	47.0	44.4	41.9
40,0°	407.7	426.0	429.6	432.6	448.4	453.6	72.2	59.3	50.5	47.0	44.7	43.3	41.0
42,5°	430.0	468.1	493.4	521.0	564.8	614.1	67.5	54.0	47.4	44.9	43.5	41.8	40.0
45,0°	506.8	568.7	617.4	667.9	736.7	770.1	63.9	50.2	44.9	43.1	41.9	40.2	39.1
47,5°	619.7	699.6	761.5	806.6	904.7	1001.9	59.8	47.0	42.7	41.3	40.7	39.2	38.1
50,0°	792.7	875.4	920.3	947.6	1059.0	1139.0	55.3	44.0	39.8	39.7	39.2	37.8	36.6
52,5°	1032.6	1100.3	1120.9	1128.1	1238.5	1326.8	50.6	42.4	38.7	38.9	38.1	36.6	35.8
55,0°	1284.2	1310.6	1308.7	1321.2	1422.9	1478.9	47.3	42.0	40.0	41.0	41.2	38.2	37.2
57,5°	1465.8	1389.8	1352.1	1411.8	1451.9	1455.5	42.5	40.2	39.8	40.9	39.4	38.4	36.9
60,0°	1426.5	1257.4	1213.4	1328.7	1237.4	1165.2	37.7	37.8	38.2	38.5	37.2	36.4	36.3
62,5°	1124.2	952.3	945.6	1015.6	907.5	758.4	32.6	35.1	36.2	35.5	35.2	35.0	35.6
65,0°	735.3	603.2	614.9	613.5	555.9	513.8	29.2	32.1	33.4	32.9	32.3	33.3	35.5
67,5°	404.6	331.1	313.7	259.8	206.8	151.5	25.9	27.8	29.6	28.7	30.2	31.6	34.3
70,0°	183.2	158.3	140.3	92.9	73.1	71.8	20.7	21.8	22.6	24.0	27.9	28.8	31.4
72,5°	77.7	68.3	56.4	42.9	38.2	35.3	16.4	17.8	19.1	20.5	24.8	25.7	26.6
75,0°	37.3	34.1	29.2	25.1	22.7	23.4	13.2	14.6	15.6	17.3	20.5	21.5	21.5
77,5°	21.7	20.1	17.6	15.8	14.7	13.9	10.4	11.6	12.6	13.5	15.4	17.0	16.4
80,0°	11.9	11.2	10.4	9.9	9.5	9.7	8.1	8.6	9.0	9.9	10.8	12.4	12.4
82,5°	6.1	5.9	5.8	5.6	5.6	5.4	6.2	6.7	6.8	7.0	7.8	8.3	8.9
85,0°	2.9	2.9	2.9	2.8	2.8	2.9	3.3	3.0	3.5	3.3	3.2	3.5	3.7
87,5°	1.3	1.3	1.3	1.4	1.4	1.4	0.7	0.8	0.9	1.0	1.0	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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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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	0.2	0.2
2,5°	103.3	102.1	100.9	99.9	99.0	98.3	97.7	97.3	97.0	96.7	96.6	1.4	1.6
5,0°	92.7	90.7	88.9	87.4	86.1	85.0	84.1	83.3	82.8	82.3	82.2	2.9	4.5
7,5°	84.5	82.1	80.1	78.4	76.9	75.8	74.9	74.3	73.9	73.6	73.5	4.7	9.1
10,0°	77.7	75.3	73.2	71.4	69.9	68.8	68.0	67.5	67.3	67.1	67.1	6.6	15.7
12,5°	72.0	69.2	67.0	65.2	63.9	63.0	62.6	62.4	62.2	61.9	61.7	8.5	24.2
15,0°	65.1	62.2	59.6	57.8	56.6	55.2	53.8	53.0	52.6	52.5	52.5	10.2	34.5
17,5°	60.4	57.7	54.7	51.7	50.6	50.0	49.1	48.2	46.8	46.1	45.9	12.3	46.8
20,0°	56.1	51.9	49.8	48.9	48.2	47.1	46.5	45.5	45.1	44.9	44.9	14.6	61.4
22,5°	50.6	48.6	47.4	46.3	45.4	44.5	43.6	43.1	43.1	43.1	43.1	16.8	78.2
25,0°	48.3	46.7	44.9	43.9	43.0	41.8	41.3	41.2	41.3	41.5	41.9	18.7	96.9
27,5°	46.3	44.4	42.8	41.9	40.1	39.8	39.8	39.8	40.1	40.8	40.9	20.7	117.7
30,0°	44.9	42.5	41.4	39.6	39.0	38.7	38.7	38.8	39.1	39.6	39.8	23.0	140.7
32,5°	42.8	41.6	40.5	38.7	38.0	38.0	38.1	38.4	38.9	39.3	39.7	25.3	166.0
35,0°	41.7	40.8	39.1	38.2	38.0	38.0	37.9	38.3	39.2	39.9	39.9	27.2	193.2
37,5°	41.2	40.4	38.9	38.2	38.2	38.1	38.2	38.3	38.4	38.7	38.9	28.2	221.3
40,0°	40.5	39.4	38.4	38.1	38.0	37.7	37.7	37.7	38.0	38.4	38.6	29.5	250.8
42,5°	39.5	38.5	37.4	37.2	37.0	37.0	37.1	37.1	37.4	38.4	37.8	33.0	283.9
45,0°	38.8	37.7	36.5	36.3	36.0	36.1	36.3	36.4	36.8	37.3	37.7	39.5	323.4
47,5°	36.8	36.2	36.2	35.5	35.2	35.2	35.5	35.7	36.4	36.1	40.5	47.9	371.2
50,0°	35.8	34.8	35.3	35.7	34.9	34.8	35.1	34.9	35.9	37.0	35.8	58.3	429.6
52,5°	36.1	35.5	35.9	35.8	35.4	35.3	35.3	35.2	36.5	37.5	37.4	73.4	503.0
55,0°	36.8	37.5	38.4	39.5	38.7	37.7	37.4	37.9	39.8	42.1	43.7	89.3	592.2
57,5°	37.8	40.4	41.8	42.8	41.3	40.1	40.2	41.0	42.5	43.9	46.0	98.7	691.0
60,0°	38.3	40.9	42.4	42.7	41.4	40.4	40.7	41.5	42.0	41.7	41.5	95.6	786.5
62,5°	38.5	41.4	43.6	42.8	41.5	41.1	42.1	42.4	40.9	39.6	39.1	78.4	865.0
65,0°	38.9	42.2	43.9	43.2	42.3	43.1	44.6	43.3	41.2	39.1	40.2	55.8	920.7
67,5°	38.1	41.4	42.4	42.4	43.0	44.6	44.7	43.1	40.9	40.6	40.3	33.0	953.7
70,0°	34.7	37.9	36.2	38.0	40.2	42.8	43.5	41.9	40.7	40.0	39.1	18.6	972.3
72,5°	27.3	28.5	30.5	33.0	36.3	38.1	39.3	37.1	35.0	34.4	30.3	10.5	982.8
75,0°	21.5	22.7	25.0	27.9	31.1	33.0	31.5	27.7	25.5	23.7	22.1	6.7	989.5
77,5°	16.4	15.9	18.5	19.9	24.2	24.4	23.3	21.2	17.3	13.8	12.4	4.5	994.0
80,0°	10.3	10.5	12.0	12.9	13.4	14.2	14.2	12.8	10.8	10.9	10.0	2.9	996.9
82,5°	7.6	7.7	8.7	9.1	8.6	9.6	9.3	8.4	7.7	8.0	8.0	1.9	998.8
85,0°	3.8	3.9	4.2	4.1	3.7	3.8	3.5	3.3	3.2	3.6	3.9	0.9	999.7
87,5°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	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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Dimmstufen-Tabelle Umgebungstemperatur: 10°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	91200	663.7
95	238	252	86668	620.8
90	222	249	81989	577.9
85	207	247	77393	537.9
80	193	244	73030	501.2
75	179	241	68563	464.4
70	165	238	63982	428.0
65	151	235	59276	391.2
60	138	232	54838	357.8
55	125	228	50185	324.3
50	112	224	45442	290.8
45	100	220	40972	260.2
40	88	215	36483	229.1
35	76	210	31866	198.6
30	65	204	27502	171.1
25	53	197	22684	141.3
20	42	188	18186	113.9
15	31	177	13694	87.0
10	20	161	9002	60.0
5	10	136	4709	35.7
2	3	91	1669	17.6

Dimmstufen-Tabelle Umgebungstemperatur: 25°C	
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	88410	658.7
95	237	251	83886	613.2
90	221	249	79507	570.6
85	206	246	75140	530.9
80	191	244	70707	491.9
75	177	241	66396	455.3
70	163	238	61981	418.8
65	149	234	57531	382.4
60	136	231	53155	349.4
55	123	227	48605	316.0
50	111	224	44340	285.5
45	98	219	39611	252.5
40	86	214	35193	221.6
35	75	209	31075	194.1
30	63	203	26350	164.3
25	52	196	22015	137.2
20	41	187	17594	110.2
15	30	176	13132	83.6
10	20	161	8917	59.3
5	9	132	4249	32.9
2	3	91	1656	17.3

Lichttechnischer Prüfbefund

Familie Floodlight FL11	Bestell-Nr.: 5XA779116F01BA EAN: 4058352822784	LP-Nummer 59254_56
Lichtstrom-Tabelle		siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	91200.0	663.7
25.0	88410.0	658.7