

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779126G01AA
EAN: 4058352851005

LP-Nummer
59242_9



Ausführung Bügel gekröpft
Optik asymmetrisch strahlend PL33
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG-DALI
Bemessungswerte Ta = 10 °C
Nettolichtstrom = 170850 lm
Systemleistung = 1387.6 W
Lichtausbeute = 123.1 lm/W

Seriendokumentation
02.11.2023

siteco

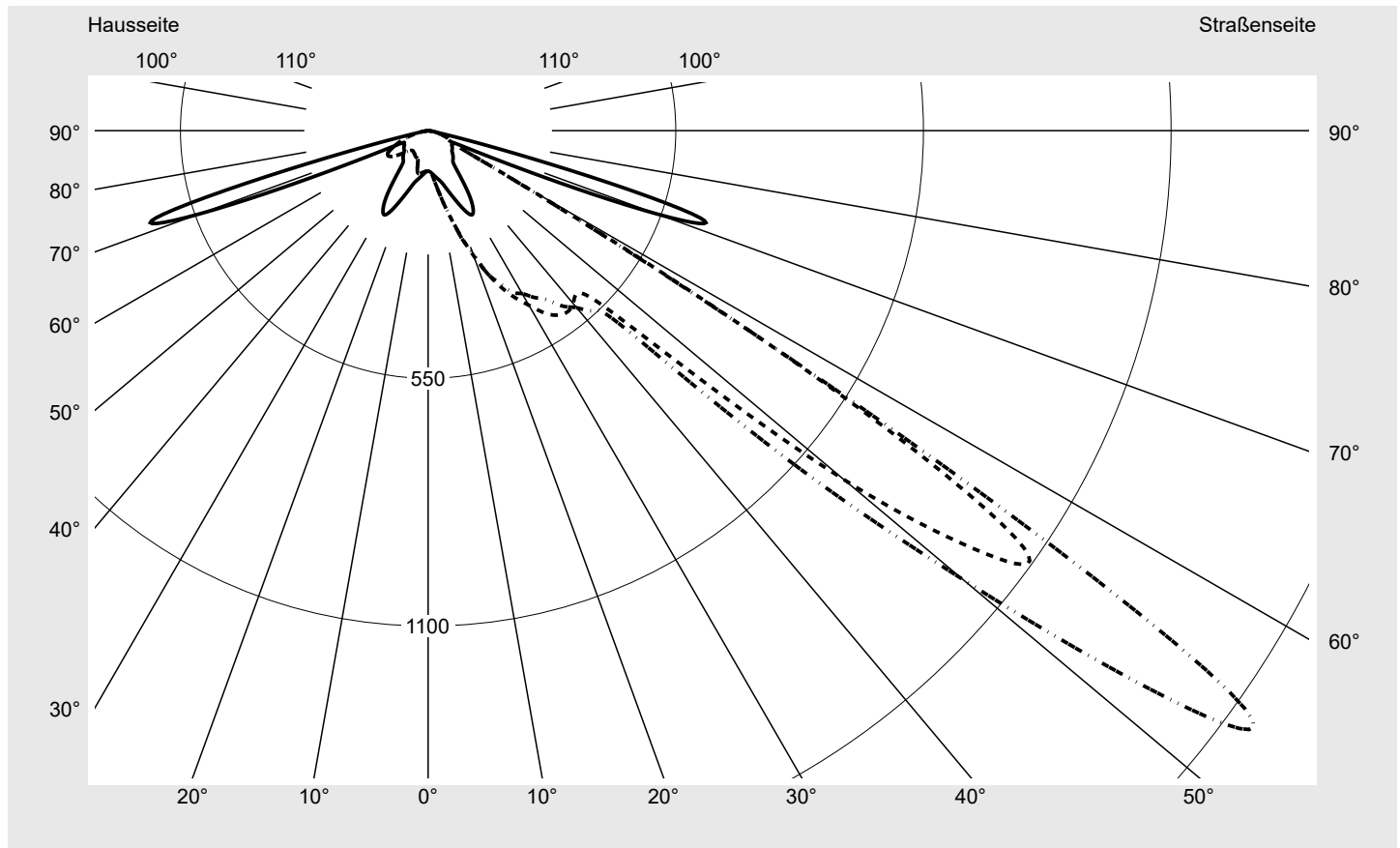
Lichtstärke in cd/klm

C180-0

C265-85

C270-90

Imax: 2172 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G3
Imax 70° 597.1
Imax 80° 17.6
Imax 90° 0.0
Imax >90° 0.0
Imax >95° 0.0

Messbedingungen

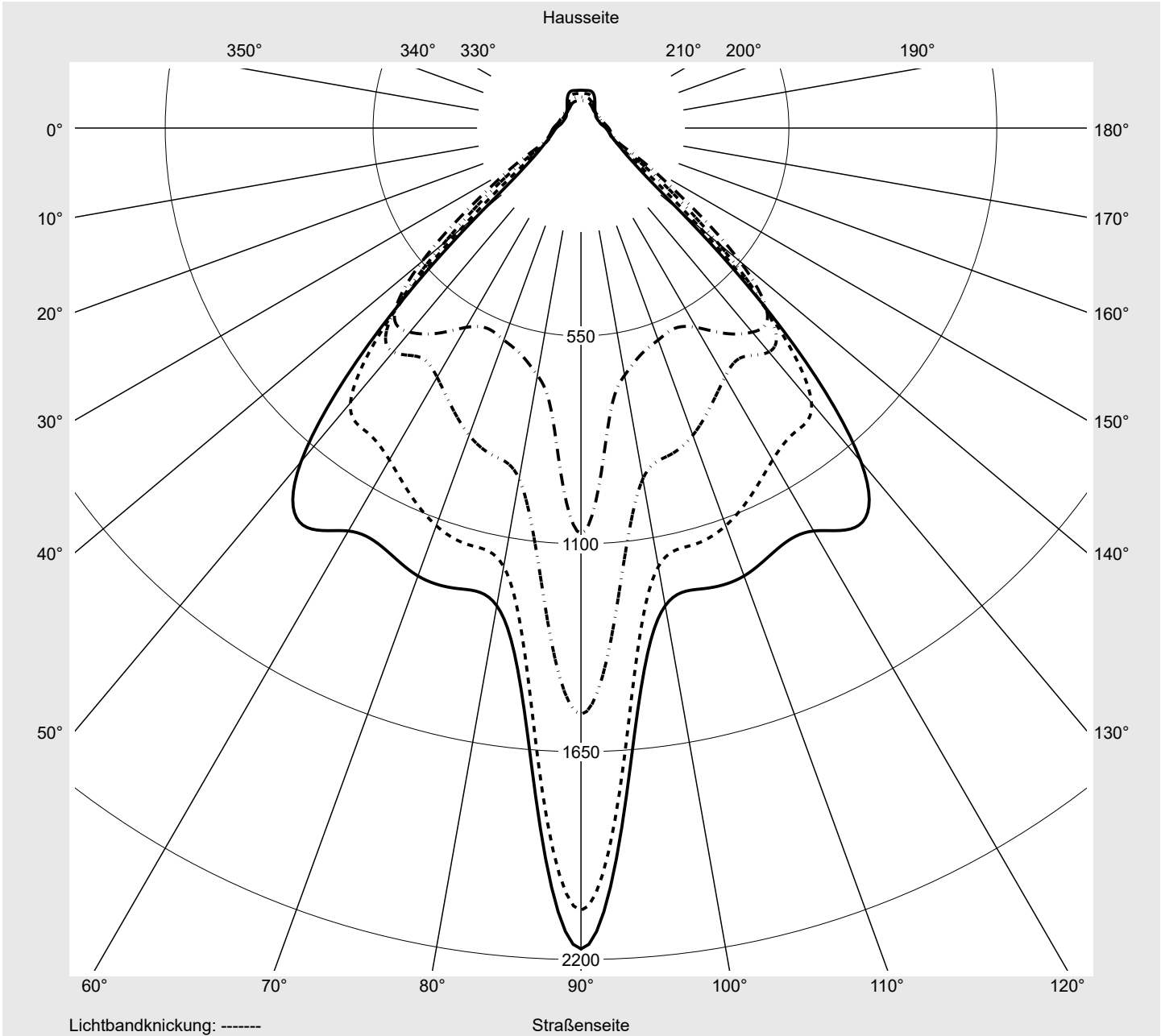
DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 55°** **KMK 52,5°** **KMK 50°** **KMK 47,5°**



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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°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2,5°	91.5	91.5	91.5	91.5	91.4	91.4	91.4	91.3	91.3	91.1	91.0	90.8	90.7
5,0°	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.5	95.7	96.0	96.3	96.5	96.8
7,5°	100.2	100.4	100.5	100.8	101.3	102.2	103.5	105.3	107.5	109.8	111.9	113.5	114.7
10,0°	105.8	106.2	107.0	108.6	111.6	116.4	122.5	129.1	135.2	140.2	143.8	145.7	146.4
12,5°	112.1	113.1	115.7	121.6	131.3	144.1	157.4	169.6	179.5	186.5	190.4	191.4	190.0
15,0°	120.4	122.6	128.8	141.9	160.7	181.8	202.2	219.9	233.4	242.1	245.8	245.1	241.2
17,5°	134.5	138.5	149.5	171.2	199.2	229.9	259.8	286.2	305.8	318.3	322.2	318.2	308.4
20,0°	152.8	158.9	175.6	206.0	243.9	283.9	321.1	353.7	381.0	403.2	416.3	417.4	403.5
22,5°	174.6	184.5	207.6	245.0	286.4	326.0	360.0	390.0	418.1	446.4	472.3	492.4	498.8
25,0°	197.6	211.8	239.8	280.3	323.3	362.1	394.1	421.8	448.3	473.9	499.0	523.6	544.2
27,5°	210.6	231.0	265.1	311.5	358.9	394.2	432.5	461.6	487.5	509.2	526.0	540.7	555.4
30,0°	199.9	224.4	264.4	318.7	373.6	420.8	461.4	497.4	526.8	545.2	553.0	555.1	555.9
32,5°	170.4	195.6	237.8	296.3	357.8	416.7	471.0	523.3	563.4	580.0	578.1	569.0	556.7
35,0°	125.9	145.1	184.1	244.4	313.8	385.9	456.6	529.2	591.2	613.1	600.8	579.7	557.3
37,5°	94.1	102.5	125.5	172.6	242.7	332.8	425.5	518.8	603.0	639.5	623.0	589.3	559.1
40,0°	85.7	90.2	99.2	122.6	168.2	254.5	372.1	499.6	603.2	659.3	649.4	603.5	559.7
42,5°	82.2	86.8	91.9	105.4	133.5	195.4	301.4	467.2	603.5	670.8	671.6	618.2	556.5
45,0°	78.1	82.7	87.0	94.8	113.2	162.3	246.8	402.6	593.1	680.7	686.3	637.4	564.7
47,5°	73.3	77.5	82.1	88.7	101.2	135.8	215.6	342.7	549.3	697.8	705.0	663.1	609.1
50,0°	69.1	73.5	77.9	83.6	94.0	118.1	177.3	287.9	472.3	710.1	773.4	740.8	761.4
52,5°	67.6	71.9	76.1	81.8	92.2	112.4	148.9	227.9	413.8	722.9	948.9	984.2	1014.1
55,0°	65.5	70.4	76.3	83.3	94.6	111.0	136.0	186.8	341.8	754.2	1152.2	1282.6	1231.0
57,5°	62.8	69.6	78.6	88.1	100.7	114.8	134.9	171.7	221.3	573.8	1000.2	1255.1	1253.7
60,0°	61.1	70.0	82.1	95.0	107.8	118.2	131.7	162.4	154.5	186.0	429.5	717.8	757.9
62,5°	61.7	73.7	88.4	102.5	113.0	115.9	116.9	134.3	133.0	93.1	107.9	177.8	237.9
65,0°	67.6	85.8	98.8	105.9	108.2	102.7	95.3	97.6	106.1	75.7	61.5	64.5	70.9
67,5°	202.1	253.8	217.4	146.6	99.5	80.2	71.1	66.2	68.4	61.9	51.6	51.2	52.0
70,0°	541.8	597.1	448.5	245.3	109.9	61.0	52.1	46.8	48.0	48.2	45.4	45.2	44.8
72,5°	615.2	573.0	359.3	204.2	107.4	49.3	37.3	35.4	37.3	38.7	38.3	38.0	37.0
75,0°	235.5	183.2	99.8	46.0	59.2	36.6	27.6	28.3	29.7	30.7	30.1	30.5	29.7
77,5°	41.7	38.1	28.1	25.3	26.3	21.8	20.4	21.4	22.4	23.0	22.9	23.1	22.8
80,0°	16.8	15.0	14.0	15.7	16.3	14.4	14.0	14.5	15.8	15.9	15.5	15.5	15.5
82,5°	9.2	8.4	8.4	9.0	9.8	8.5	8.6	8.7	9.0	9.1	8.8	9.1	9.1
85,0°	4.1	4.0	3.9	4.1	4.5	4.1	4.0	4.1	3.9	3.9	3.8	3.7	3.6
87,5°	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.0	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°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2,5°	90.6	90.5	90.5	90.5	90.5	91.0	91.5	91.4	91.4	91.3	91.1	90.9	90.8
5,0°	97.0	97.3	97.5	97.6	97.8	97.1	95.2	95.1	95.0	94.7	94.5	94.2	93.9
7,5°	115.3	115.6	115.6	115.5	115.4	115.6	100.2	100.0	99.8	99.5	99.1	98.7	98.2
10,0°	146.1	144.9	143.3	141.7	140.7	138.6	105.6	105.3	105.0	104.6	104.1	103.4	102.7
12,5°	186.9	182.6	178.1	174.1	171.5	171.1	111.6	111.1	110.6	110.0	109.2	108.4	107.5
15,0°	234.8	226.9	218.9	211.8	207.2	203.5	119.3	118.4	117.4	116.3	115.0	113.7	112.3
17,5°	295.5	281.5	268.1	256.9	249.9	253.2	132.0	129.4	127.2	124.7	122.1	119.6	117.2
20,0°	378.0	348.5	324.0	306.1	295.5	288.8	148.9	143.7	138.8	133.9	129.2	124.8	120.5
22,5°	483.5	442.8	394.0	359.9	342.6	342.5	167.4	159.4	150.6	142.1	134.3	127.2	117.8
25,0°	550.9	530.3	475.3	415.0	383.3	372.8	185.3	172.4	158.7	146.0	135.3	122.8	106.5
27,5°	568.0	568.5	541.2	474.2	418.0	404.5	192.6	174.7	157.4	143.0	129.9	111.7	90.8
30,0°	559.1	562.9	558.1	518.8	447.7	417.8	179.2	160.0	143.8	132.6	119.1	99.6	82.3
32,5°	545.2	540.7	542.3	535.6	479.5	439.2	151.0	135.0	124.0	117.5	107.2	93.8	80.9
35,0°	532.7	514.8	512.4	520.9	500.1	457.9	113.7	106.3	103.0	101.2	96.8	90.0	81.1
37,5°	526.3	498.0	489.1	503.8	507.6	491.0	89.5	87.2	87.0	87.2	88.3	85.8	79.6
40,0°	518.5	481.7	466.2	480.1	501.2	513.5	81.8	78.8	76.6	75.7	77.8	79.3	76.4
42,5°	507.6	465.9	442.4	452.3	490.2	542.3	77.9	74.4	71.1	68.4	68.1	70.6	70.5
45,0°	511.6	479.8	466.4	486.5	550.9	631.0	73.4	69.2	66.0	63.5	61.7	62.2	64.0
47,5°	585.1	596.8	618.7	664.4	802.2	1072.3	68.4	64.0	61.1	59.5	58.5	57.2	58.1
50,0°	811.9	865.0	897.1	942.5	1205.4	1551.1	64.0	59.7	57.3	56.0	55.3	54.2	54.0
52,5°	1069.4	1119.6	1142.1	1178.4	1521.9	2069.9	61.6	56.8	54.3	53.0	52.3	51.6	51.3
55,0°	1228.9	1261.2	1261.5	1283.4	1615.2	2171.9	60.0	55.1	52.1	50.8	49.5	49.0	49.2
57,5°	1152.5	1053.1	965.7	941.7	1046.1	1101.7	58.2	53.7	50.3	48.5	47.1	46.7	47.8
60,0°	663.1	519.9	400.3	320.4	250.2	237.0	55.2	52.5	49.2	47.0	46.3	46.7	49.1
62,5°	224.4	162.5	113.0	83.8	69.7	64.1	53.6	50.0	49.2	49.6	50.2	51.6	54.6
65,0°	69.9	62.0	56.1	53.5	51.6	52.0	55.0	49.9	51.9	55.1	58.6	61.6	63.8
67,5°	52.7	51.4	54.6	59.3	50.8	47.3	107.8	63.9	64.5	67.6	71.0	70.9	69.2
70,0°	45.5	46.1	72.5	82.0	52.1	42.8	265.1	114.3	76.8	71.5	67.9	62.6	57.9
72,5°	36.9	37.0	52.0	55.7	42.7	32.5	206.7	63.3	45.3	48.2	42.3	37.3	34.5
75,0°	29.1	28.7	34.3	37.2	30.5	25.1	69.9	29.5	25.0	25.6	24.2	23.1	23.3
77,5°	22.0	21.2	24.4	25.9	22.5	17.9	25.7	20.0	17.9	17.6	17.1	16.9	17.0
80,0°	15.1	14.5	15.9	16.4	14.7	13.0	16.8	14.1	12.4	11.8	11.4	11.2	11.1
82,5°	8.8	8.5	8.8	8.9	8.3	7.4	9.9	8.7	7.6	7.0	6.7	6.3	6.3
85,0°	3.5	3.4	3.3	3.3	3.2	3.4	4.2	4.0	3.6	3.2	3.0	2.9	2.7
87,5°	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.0	1.0	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	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°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	0.1	0.1
2,5°	90.6	90.4	90.2	90.1	90.0	89.9	89.9	89.9	89.9	89.9	89.9	1.1	1.2
5,0°	93.6	93.2	92.9	92.5	92.2	92.0	91.8	91.7	91.7	91.5	91.5	2.3	3.5
7,5°	97.6	96.9	96.3	95.7	95.2	94.7	94.3	94.1	93.8	93.6	93.6	3.7	7.2
10,0°	101.9	101.1	100.3	99.5	98.7	98.1	97.5	97.0	96.7	96.4	96.2	5.5	12.7
12,5°	106.5	105.5	104.3	103.2	102.2	101.2	100.2	99.4	98.7	98.0	97.7	7.9	20.6
15,0°	110.8	109.1	107.4	105.4	102.9	100.3	97.8	95.6	94.0	92.8	92.3	11.0	31.6
17,5°	114.8	111.6	105.9	98.3	90.9	85.4	81.8	79.6	78.0	76.7	76.0	14.8	46.4
20,0°	114.8	105.1	92.8	82.1	75.2	71.8	70.3	69.7	68.8	67.5	66.9	19.5	65.9
22,5°	104.2	88.8	77.3	72.6	70.6	69.0	67.8	67.3	66.7	65.8	65.3	24.7	90.6
25,0°	89.2	76.8	72.0	70.5	69.2	67.9	66.8	66.0	65.5	64.8	64.4	29.7	120.3
27,5°	76.9	70.8	69.7	69.0	68.1	67.1	65.7	64.4	63.5	62.8	62.4	34.3	154.6
30,0°	71.9	69.2	68.3	67.7	66.8	65.3	63.4	61.8	60.7	60.1	59.8	37.9	192.5
32,5°	72.4	68.3	66.8	65.7	64.4	62.9	61.3	59.8	59.0	58.6	58.3	40.3	232.9
35,0°	72.6	67.2	64.7	63.2	62.1	61.0	59.7	58.2	57.2	56.7	56.3	41.4	274.3
37,5°	72.1	65.4	62.2	61.1	60.5	59.3	58.2	57.2	56.6	56.1	55.8	41.9	316.2
40,0°	70.3	63.7	60.2	59.3	58.8	58.3	58.0	57.9	57.7	57.4	57.0	42.3	358.5
42,5°	66.7	61.7	58.5	57.7	58.1	59.0	59.7	60.3	60.6	60.2	59.9	42.9	401.5
45,0°	63.0	59.4	56.8	57.1	58.8	61.0	63.2	64.7	65.5	65.4	65.1	44.9	446.4
47,5°	59.3	57.2	56.0	57.5	60.6	64.6	68.7	71.4	72.5	72.7	72.5	51.9	498.3
50,0°	55.3	55.8	56.0	58.7	63.7	70.2	76.5	80.7	81.8	82.1	82.1	64.5	562.8
52,5°	52.4	54.9	56.6	60.9	68.2	77.5	86.3	91.1	92.0	91.9	92.0	79.7	642.5
55,0°	50.7	54.7	58.4	64.1	73.8	85.8	96.4	101.2	100.9	100.2	100.1	90.6	733.1
57,5°	50.6	55.4	61.1	68.5	80.1	93.6	104.7	108.4	106.3	104.5	104.1	77.5	810.6
60,0°	52.8	58.4	66.7	74.1	84.9	98.4	108.8	110.7	106.6	103.7	103.1	43.6	854.2
62,5°	58.4	65.0	80.6	89.5	87.7	99.2	107.7	107.4	101.3	97.4	96.4	23.9	878.1
65,0°	65.8	71.8	102.3	119.4	92.6	95.1	100.2	97.4	89.2	84.4	83.0	19.4	897.6
67,5°	68.0	70.4	111.1	138.4	101.7	85.1	85.3	81.6	74.2	71.7	69.5	22.2	919.7
70,0°	55.5	55.7	82.1	117.3	93.8	75.8	73.7	69.5	61.4	61.7	58.0	29.7	949.4
72,5°	36.4	39.0	47.1	64.2	63.4	60.8	59.8	54.4	47.5	49.2	46.7	24.9	974.3
75,0°	25.7	29.6	34.7	40.9	45.3	45.0	43.1	36.9	32.0	34.4	33.0	12.1	986.4
77,5°	18.1	21.0	23.8	26.7	29.4	30.9	29.2	24.5	21.7	22.1	21.7	6.3	992.8
80,0°	11.4	12.8	14.5	15.8	16.7	17.6	15.7	13.6	12.3	11.6	11.4	3.9	996.7
82,5°	6.4	6.8	7.3	7.3	7.8	7.8	6.6	5.8	5.3	5.1	5.1	2.1	998.8
85,0°	2.6	2.6	2.4	2.3	2.0	1.9	2.0	2.0	2.0	2.0	2.0	0.9	999.7
87,5°	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	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	170850	1387.6
95	233	251	162494	1269.1
90	214	248	153642	1162.0
85	198	245	145286	1072.1
80	182	242	136592	982.0
75	168	239	128257	903.8
70	154	236	119429	826.3
65	141	232	111300	755.0
60	128	229	102651	684.1
55	116	225	93688	618.9
50	103	221	85262	548.6
45	91	216	76487	484.7
40	80	212	68112	426.3
35	69	206	59538	367.6
30	59	201	51445	314.6
25	48	193	43159	256.7
20	38	184	34036	205.4
15	28	173	25598	154.3
10	19	159	17166	108.3
5	9	132	8675	57.9
1	2	77	2332	20.9

Dimmstufen-Tabelle Umgebungstemperatur: 25°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	---	---	---	---
95	---	---	---	---
92	216	248	149341	1165.0
90	210	247	146600	1131.2
85	194	244	138566	1042.0
80	178	241	130600	952.2
75	163	238	122296	868.9
70	150	235	114061	797.4
65	137	232	106223	726.8
60	124	228	97860	656.5
55	113	224	89661	597.4
50	99	220	81449	522.1
45	89	216	73606	469.2
40	78	211	65492	411.4
35	67	205	57080	352.8
30	57	199	48973	300.8
25	46	192	40574	243.8
20	37	184	32834	198.0
15	27	172	24489	147.6
10	18	157	16457	102.0
5	8	127	7734	52.3
1	2	77	2313	20.6

Lichttechnischer Prüfbefund

Familie Floodlight FL11	Bestell-Nr.: 5XA779126G01AA EAN: 4058352851005	LP-Nummer 59242_9
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Lichtstrom-Tabelle	siteco
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Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	170850.0	1387.6
25.0	150270.0	1176.7