

## Lichttechnischer Prüfbefund

Familie  
Floodlight FL11

Bestell-Nr.: 5XA779415C01AA  
EAN: 4058352607664

LP-Nummer  
59236\_20



**Ausführung** Bügel gekröpft  
**Optik** asymmetrisch strahlend PL61  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 70  
**Betriebsgerät** EVG  
**Bemessungswerte** Ta = 10 °C  
Nettolichtstrom = 111360 lm  
Systemleistung = 916.8 W  
Lichtausbeute = 121.5 lm/W

Seriendokumentation  
14.03.2023

siteco

Lichtstärke in cd/klm

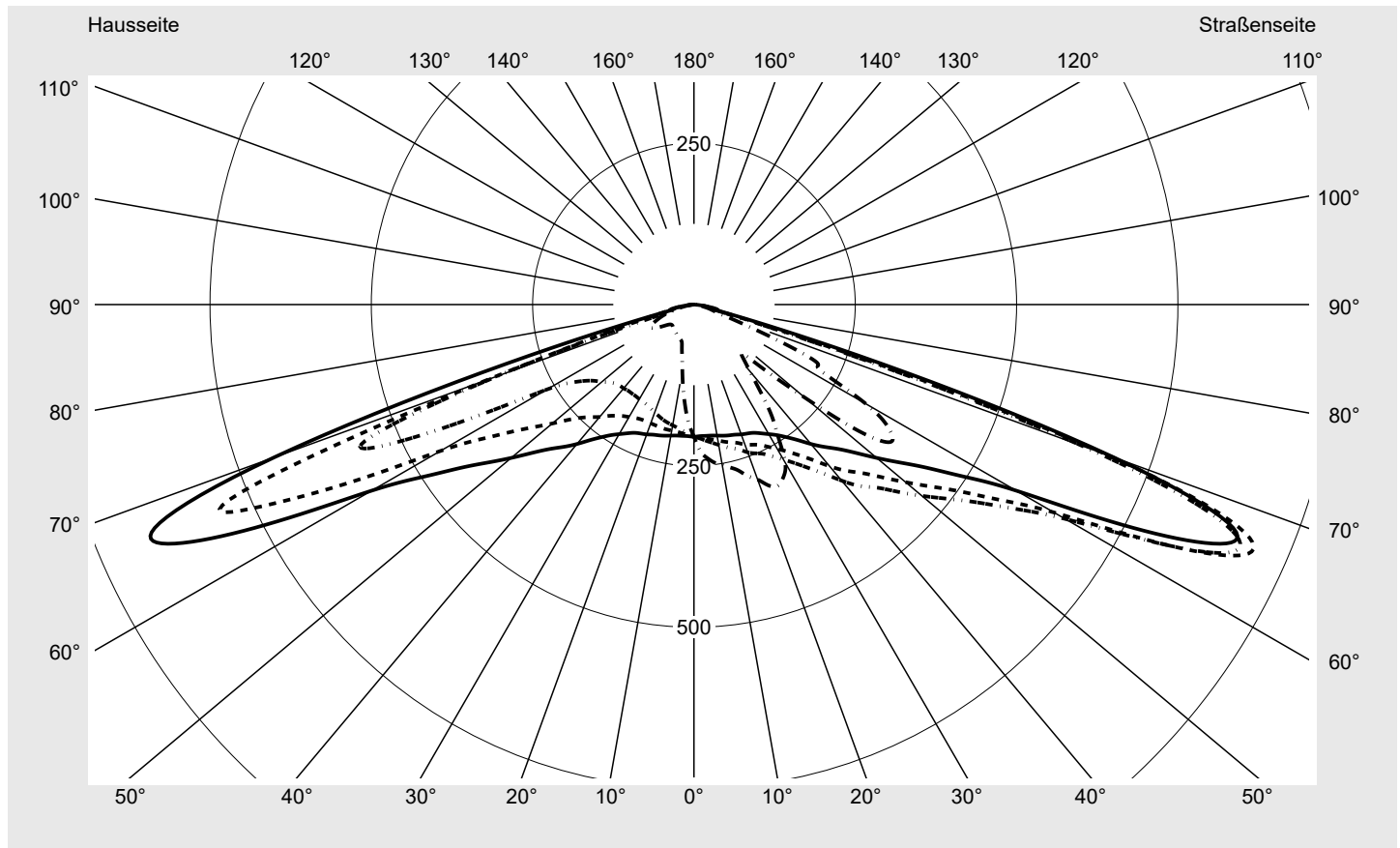
**C180-0**

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

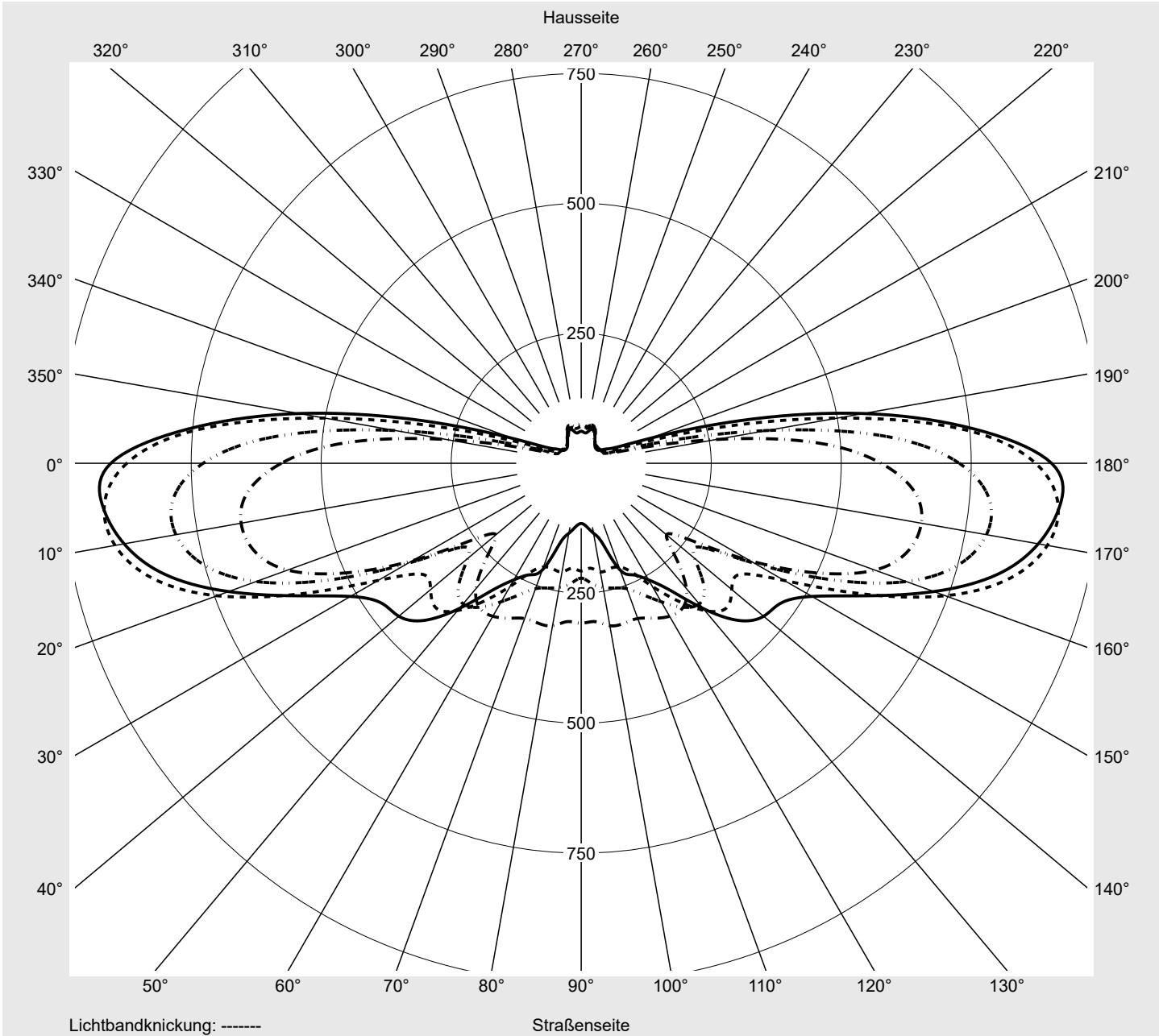
Messbedingungen

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

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



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
<b>siteco</b>		

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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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

siteco

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W]
100	254	111360	916.8
95	233	105759	838.6
90	215	100202	771.6
85	199	94770	712.7
80	183	88980	653.5
75	169	83559	601.9
70	155	77951	551.2
65	142	72527	504.2
60	129	66939	457.6
55	116	61075	411.7
50	104	55683	368.4
45	92	49946	326.3
40	81	44532	287.6
35	70	39010	248.9
30	59	33308	210.4
25	49	28057	176.2
20	38	22070	138.7
15	28	16580	104.9
10	18	10918	71.2
5	9	5690	41.3
1	2	1542	16.8

## Dimmstufen-Tabelle

Umgebungstemperatur: 25°C

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W]
100	----	----	----
95	----	----	----
91	215	96689	766.2
90	211	95486	751.3
85	194	90097	688.6
80	179	84949	633.8
75	164	79466	579.1
70	151	74425	531.9
65	137	68817	481.9
60	125	63826	439.2
55	113	58529	396.7
50	101	53299	354.6
45	89	47660	312.6
40	78	42364	274.4
35	67	36973	235.8
30	57	31860	201.4
25	47	26627	167.4
20	37	21273	133.8
15	27	15857	100.3
10	18	10815	70.4
5	8	5053	37.5
1	2	1530	16.6

office

industry

traffic

retail

public

sports

## Lichttechnischer Prüfbefund

Familie  
Floodlight FL11

Bestell-Nr.: 5XA779415C01AA  
EAN: 4058352607664

LP-Nummer  
59236\_20

### Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	111360.0	916.8
25.0	96910.0	769.0