

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779416A01BA
EAN: 4058352607831

LP-Nummer
59255_48



Ausführung Bügel gekröpft
Optik asymmetrisch strahlend PL43
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG
Bemessungswerte Ta = 10 °C
Nettolichtstrom = 102380 lm
Systemleistung = 747.5 W
Lichtausbeute = 137 lm/W

Seriendokumentation
14.03.2023

sitEco

Lichtstärke in cd/klm

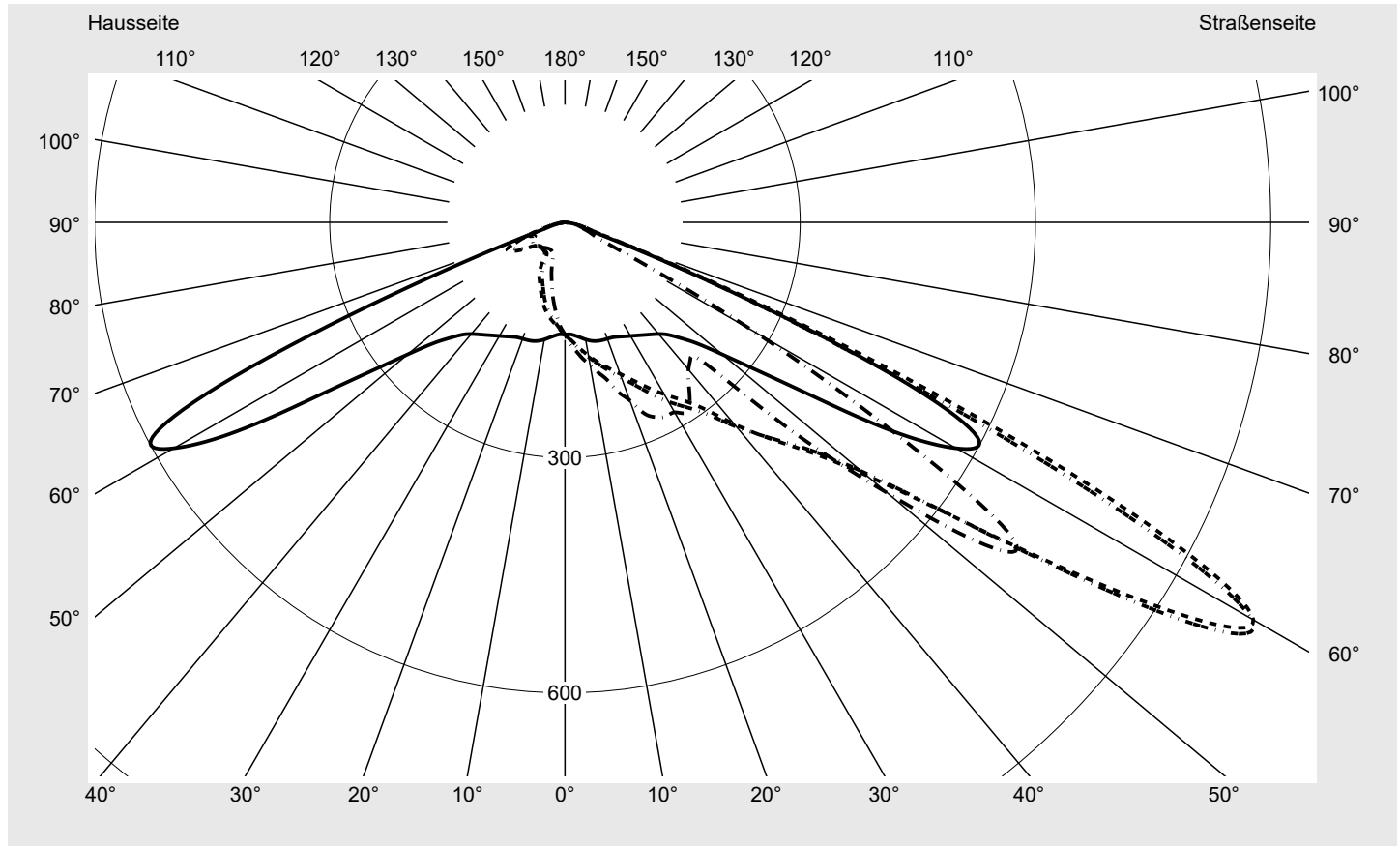
C180-0

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

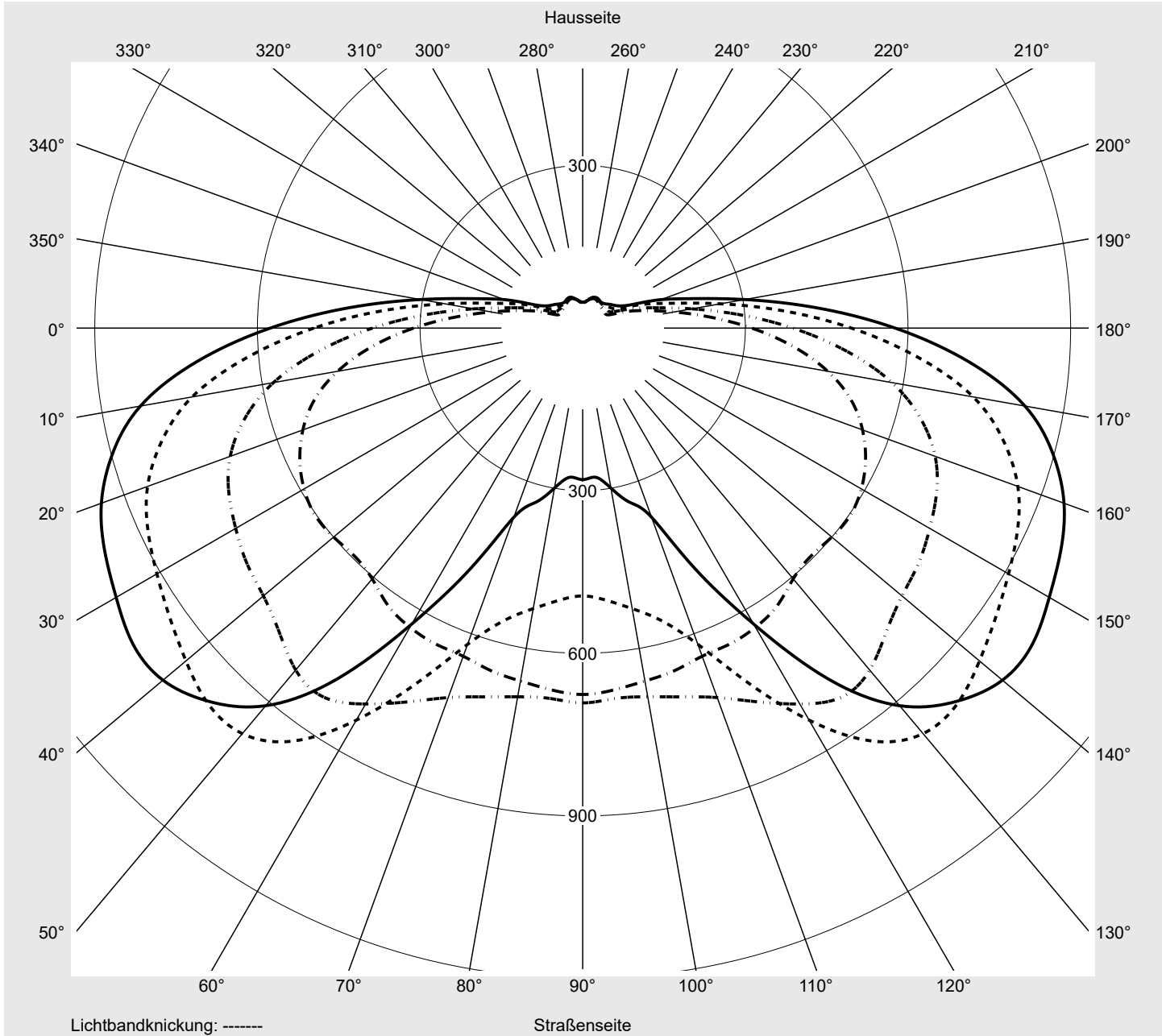
Messbedingungen

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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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
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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	
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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EAN: 4058352607831

LP-Nummer
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Dimmstufen-Tabelle

Umgebungstemperatur: 10°C

siteco

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W]
100	254	102380	747.5
95	237	97267	695.8
90	221	92237	647.8
85	205	86878	599.3
80	191	82047	557.4
75	176	76716	513.2
70	162	71573	471.9
65	149	66684	433.6
60	136	61580	395.7
55	122	56126	355.1
50	110	51134	320.3
45	98	46061	285.7
40	86	40877	251.3
35	75	36041	219.1
30	63	30735	185.6
25	52	25622	154.6
20	41	20441	123.8
15	30	15210	93.4
10	20	10350	65.9
5	9	4899	35.9
2	3	1885	18.6

Dimmstufen-Tabelle

Umgebungstemperatur: 25°C

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W]
100	254	98810	742.3
95	236	93870	687.8
90	219	88881	636.8
85	203	83841	588.8
80	188	78904	544.4
75	174	74161	503.0
70	160	69253	461.8
65	146	64157	421.1
60	133	59367	383.1
55	120	54311	346.0
50	108	49419	311.4
45	96	44480	277.2
40	84	39467	242.4
35	73	34655	211.4
30	62	29862	180.7
25	51	24841	150.2
20	40	19741	119.7
15	29	14603	89.7
10	19	9754	62.5
5	9	4857	35.5
2	3	1870	18.4

office

industry

traffic

retail

public

sports

Lichttechnischer Prüfbefund

Familie
Floodlight FL11

Bestell-Nr.: 5XA779416A01BA
EAN: 4058352607831

LP-Nummer
59255_48

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
10.0	102380.0	747.5
25.0	98810.0	742.3