

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 micro

Bestell-Nr.: 5XA7761A4A3A
EAN: 4058352669204

LP-Nummer
59324_7



Ausführung	Mastbügel
Optik	asymmetrisch strahlend PL43
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 3170 lm Systemleistung = 23.1 W Lichtausbeute = 137.2 lm/W

Seriendokumentation
05.07.2022

siteco

Lichtstärke in cd/klm

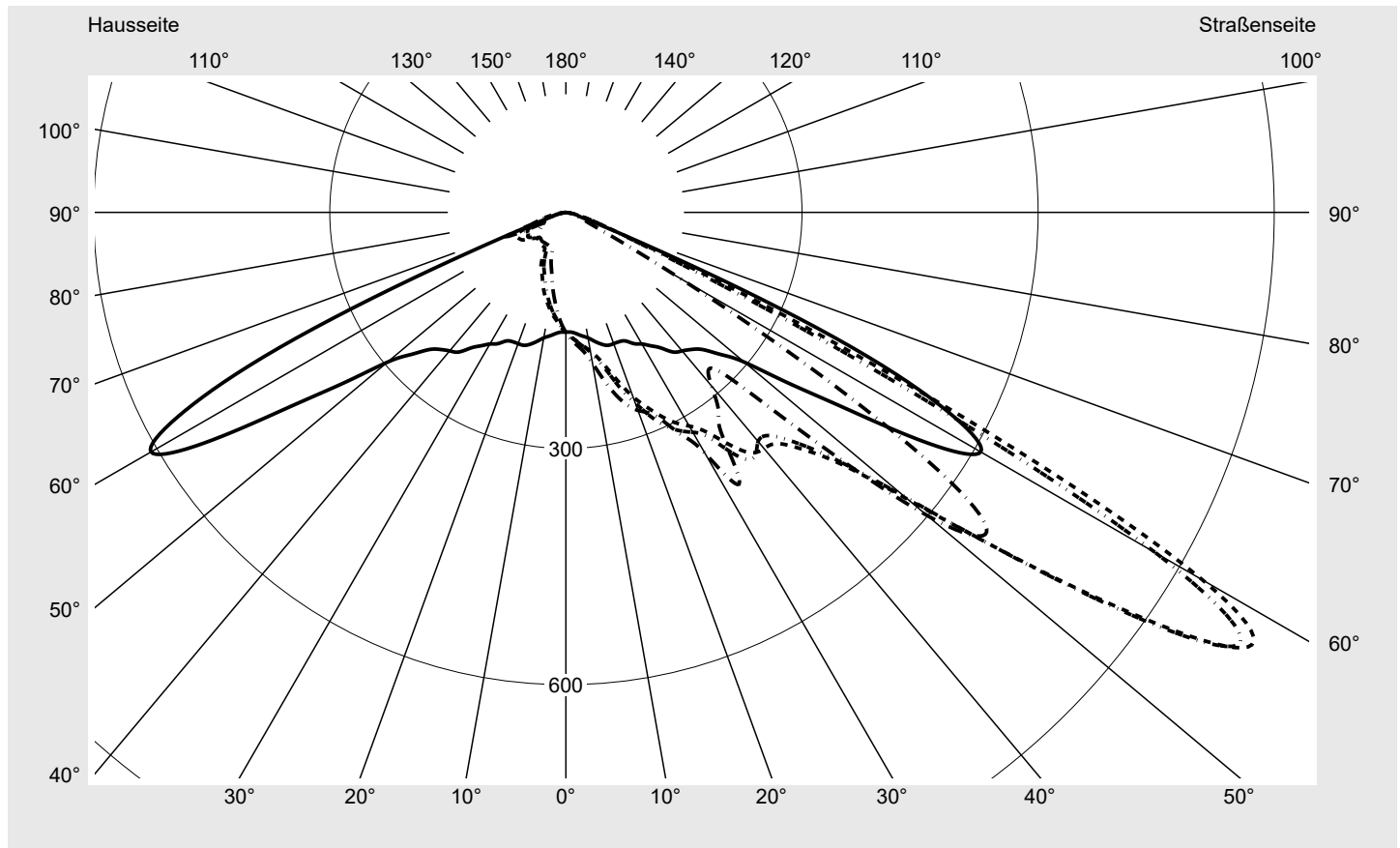
C180-0

C220-40

C225-45

C270-90

Imax: 1028 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	56.8
Imax 80°	12.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Messbedingungen

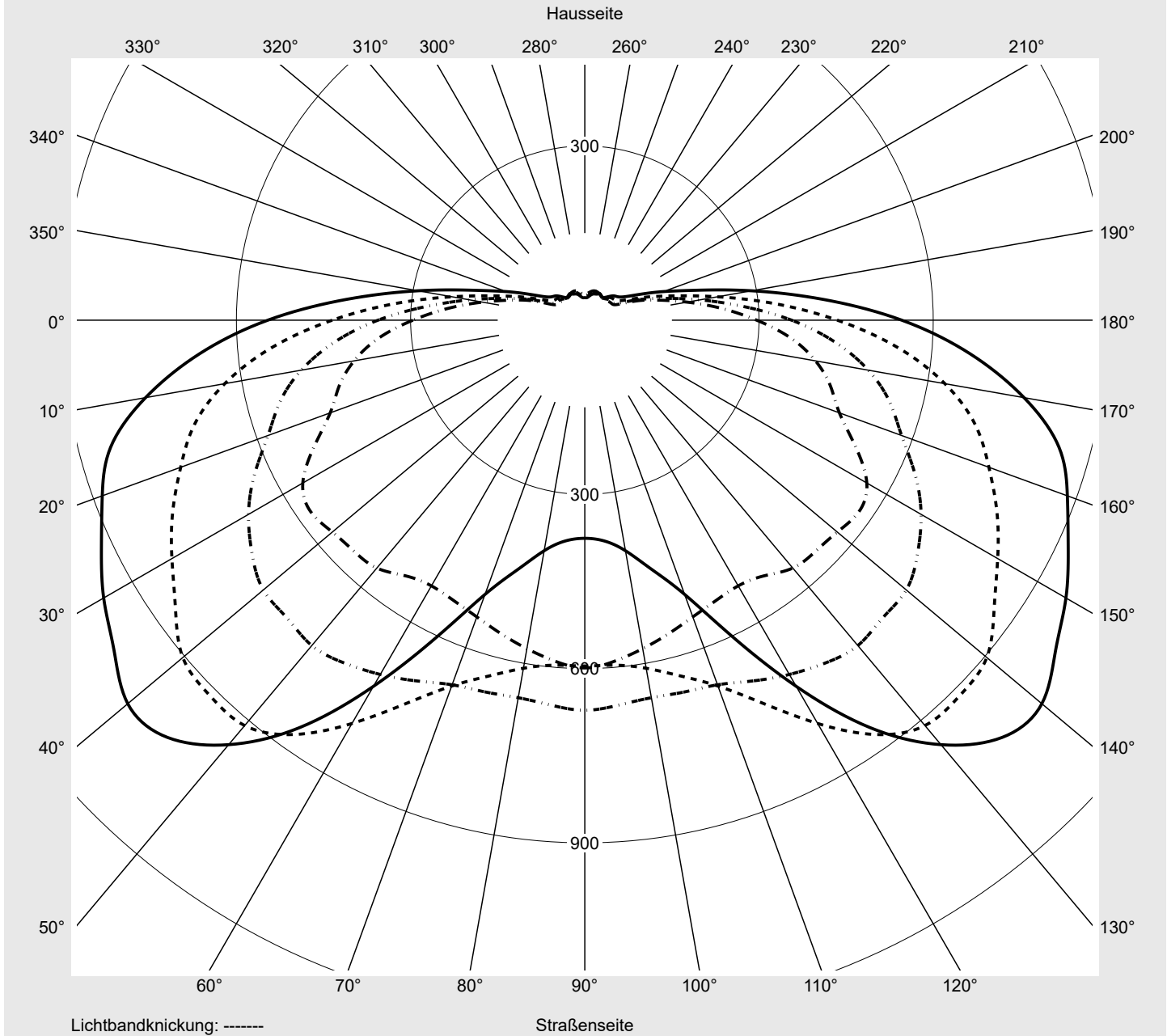
DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 57,5°** **KMK 55°** **KMK 52,5°** **KMK 50°**



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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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2
2,5°	152.3	153.0	153.7	154.6	155.3	156.3	157.0	157.8	158.3	158.8	159.4	159.9	160.3
5,0°	154.8	156.4	157.9	159.2	160.4	161.7	162.8	163.8	164.6	165.3	166.1	166.8	167.4
7,5°	158.3	160.7	162.8	164.5	166.0	167.4	168.9	170.2	171.2	172.2	173.1	174.2	175.2
10,0°	161.9	165.2	167.7	169.8	171.5	173.3	175.1	177.1	178.9	180.6	182.3	184.6	186.8
12,5°	167.7	171.2	174.2	176.3	178.7	180.7	183.5	186.4	189.6	193.9	198.1	201.5	204.5
15,0°	173.2	177.5	180.9	183.3	185.9	189.5	193.7	199.5	206.4	212.2	217.8	222.1	224.9
17,5°	177.1	182.4	186.7	190.2	193.7	198.9	206.9	217.3	227.3	236.6	241.4	244.7	246.6
20,0°	177.5	184.8	190.4	195.2	200.4	207.6	220.3	234.4	249.1	257.8	264.4	266.4	264.0
22,5°	177.7	187.1	194.4	200.5	207.2	218.0	233.3	252.2	267.4	280.2	286.9	283.9	276.1
25,0°	180.4	191.8	199.9	206.4	213.8	226.3	244.2	265.8	285.4	299.0	301.2	296.2	287.2
27,5°	188.1	200.6	209.2	215.8	223.8	236.9	257.5	280.9	301.2	312.6	313.9	308.8	301.6
30,0°	193.1	209.1	219.9	227.7	236.0	250.6	271.7	293.7	313.5	322.6	325.6	325.1	320.8
32,5°	201.0	221.2	235.2	244.9	255.0	271.6	292.4	314.0	330.1	339.4	345.2	350.9	361.4
35,0°	210.2	237.3	255.5	267.6	281.5	300.6	322.7	345.2	359.0	376.4	398.4	422.1	433.1
37,5°	223.6	254.8	273.0	282.1	291.2	307.6	340.0	368.9	384.9	392.6	407.4	414.1	406.9
40,0°	229.7	265.6	288.3	302.2	314.2	335.8	372.7	393.1	391.6	380.1	387.7	395.5	385.4
42,5°	236.2	272.1	298.8	316.0	330.4	357.6	397.9	410.2	398.4	384.8	386.4	388.5	373.9
45,0°	246.7	287.3	317.1	337.4	354.7	391.9	438.4	444.4	425.8	413.9	406.8	395.1	374.0
47,5°	267.4	312.7	349.1	374.8	397.0	442.8	491.3	494.2	472.5	464.7	453.0	428.7	407.6
50,0°	296.0	356.6	403.4	438.0	466.6	514.2	560.8	575.9	567.6	562.4	557.2	537.5	528.3
52,5°	356.2	432.5	495.8	543.5	580.6	627.5	668.7	699.7	722.8	725.3	731.5	721.0	704.4
55,0°	435.0	541.1	629.6	696.2	740.6	783.2	821.0	860.8	903.7	913.7	911.3	871.0	801.9
57,5°	545.9	666.4	768.1	845.4	884.3	918.5	956.8	989.9	1027.5	1016.2	954.2	856.5	728.1
60,0°	608.6	730.6	824.8	896.5	919.4	933.1	940.4	948.8	934.3	866.0	760.2	619.5	467.5
62,5°	545.3	656.2	724.2	765.9	757.5	731.9	698.8	668.4	601.9	505.0	395.9	301.2	215.6
65,0°	378.6	423.0	450.1	456.4	434.8	398.6	363.7	333.3	275.5	216.2	163.7	135.3	103.7
67,5°	139.6	158.6	161.6	157.4	150.7	139.6	130.7	125.0	108.3	94.3	80.9	68.1	55.2
70,0°	44.6	46.3	46.2	46.5	48.0	49.2	51.5	53.6	54.7	54.9	52.8	50.0	45.0
72,5°	20.8	21.6	21.3	21.5	23.1	24.5	26.2	29.2	32.7	36.1	38.4	36.7	32.9
75,0°	16.0	17.1	16.2	15.9	16.8	17.3	18.6	21.0	22.6	23.0	23.4	23.7	22.3
77,5°	12.8	13.1	11.7	11.2	11.5	11.8	12.5	13.3	13.8	13.4	13.3	13.8	13.9
80,0°	8.4	7.4	6.6	6.2	6.5	7.0	7.1	7.4	7.6	7.6	7.5	7.5	7.4
82,5°	3.3	3.1	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.5	3.4	3.2	3.4
85,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1
87,5°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6
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	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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2
2,5°	160.6	160.8	161.1	161.4	161.7	161.8	151.4	150.4	149.6	148.7	148.0	147.2	146.5
5,0°	167.7	168.2	168.9	169.5	169.9	170.1	153.1	151.1	148.8	146.6	144.5	142.3	140.0
7,5°	175.8	176.4	177.3	178.3	179.1	179.3	155.5	152.3	148.8	145.0	141.2	137.8	134.3
10,0°	188.5	190.1	191.4	193.0	194.2	194.6	158.3	153.9	148.5	143.2	137.9	132.8	127.6
12,5°	207.2	209.5	211.6	213.6	215.4	215.9	162.8	156.8	149.6	142.6	135.1	127.8	120.8
15,0°	227.5	230.2	232.6	234.9	237.1	237.9	167.0	159.0	150.4	141.3	132.0	122.9	114.2
17,5°	247.3	247.7	249.2	251.5	254.6	255.8	168.8	159.6	148.3	137.5	126.9	116.7	106.5
20,0°	260.1	257.7	258.4	260.9	265.1	267.7	167.5	155.5	143.0	130.9	119.3	108.2	97.1
22,5°	269.1	264.8	264.9	267.5	272.7	276.0	164.8	151.0	136.6	123.6	111.4	99.7	89.3
25,0°	279.2	274.8	275.5	279.8	287.5	292.4	165.4	158.3	132.9	118.3	104.6	92.9	83.6
27,5°	294.3	291.5	294.7	303.4	313.8	318.9	170.3	150.8	132.1	115.3	100.6	89.2	78.3
30,0°	316.4	316.4	323.0	335.2	348.1	353.2	172.7	152.5	132.6	113.6	98.3	85.8	67.3
32,5°	366.6	368.8	377.4	392.0	404.2	409.3	175.9	152.6	132.3	113.5	97.8	79.5	57.2
35,0°	418.3	389.2	363.8	354.3	349.9	346.8	181.1	155.2	133.0	113.5	95.0	67.7	54.0
37,5°	383.2	357.6	344.1	337.1	323.5	318.7	188.0	158.6	133.0	112.1	86.7	58.6	52.8
40,0°	358.5	327.8	311.7	296.1	289.1	288.0	190.3	157.7	130.6	108.0	72.1	56.0	51.9
42,5°	339.3	306.9	286.3	272.3	269.4	269.6	192.1	157.2	129.4	104.8	67.7	56.1	51.9
45,0°	340.2	312.0	299.3	295.5	300.3	305.2	198.5	158.5	127.1	100.4	65.4	56.0	51.8
47,5°	391.0	388.0	392.3	406.5	423.4	433.8	212.7	165.8	123.3	98.4	65.5	55.5	52.2
50,0°	533.1	543.7	558.7	574.4	589.4	598.8	235.6	179.0	133.3	98.3	65.3	55.1	53.4
52,5°	685.4	668.2	662.8	660.2	665.4	671.8	273.1	201.6	145.0	105.7	72.9	58.3	56.2
55,0°	728.4	670.4	634.1	608.6	596.4	595.5	328.0	232.1	161.8	117.4	84.6	67.1	61.8
57,5°	601.1	502.5	444.1	403.1	381.6	375.6	411.7	291.6	199.2	144.0	105.7	81.2	70.2
60,0°	350.7	269.8	222.6	190.8	173.2	166.1	469.5	341.1	239.3	169.8	121.1	89.6	74.0
62,5°	160.1	123.8	98.7	80.3	69.1	64.9	435.8	324.6	239.9	176.3	122.8	91.3	73.9
65,0°	80.8	64.0	45.1	36.5	32.8	32.8	290.9	224.9	173.3	132.3	102.5	77.3	69.5
67,5°	48.3	42.3	33.9	30.0	27.2	26.2	104.6	83.1	83.7	71.8	60.3	54.1	59.0
70,0°	38.8	32.2	27.1	23.2	20.6	19.6	32.8	27.7	30.9	33.7	32.9	34.2	44.2
72,5°	28.8	24.2	20.4	17.9	16.2	14.9	20.5	19.6	19.5	20.5	20.3	22.1	31.4
75,0°	20.5	17.6	14.5	12.5	12.1	11.1	15.4	14.4	14.2	14.7	14.1	15.7	23.2
77,5°	13.5	11.8	9.9	9.0	8.9	8.4	12.4	10.2	9.7	9.9	9.6	10.8	16.0
80,0°	7.3	6.5	5.5	5.0	4.5	4.3	7.2	5.7	5.4	5.9	5.6	6.3	9.6
82,5°	3.1	2.7	2.5	2.3	2.1	2.1	3.0	2.8	2.5	2.7	2.8	2.8	4.0
85,0°	1.0	1.0	1.0	0.9	0.9	0.9	1.3	1.3	1.3	1.2	1.2	1.2	1.1
87,5°	0.6	0.6	0.5	0.5	0.5	0.5	0.9	0.9	1.0	1.0	1.0	0.9	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

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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	0.2	0.2
2,5°	145.7	144.9	144.1	143.4	142.8	142.3	141.8	141.3	140.8	140.6	140.5	1.8	2.0
5,0°	137.7	135.7	133.8	132.1	130.6	129.3	128.2	127.2	126.5	126.0	125.9	3.6	5.6
7,5°	130.8	127.4	124.1	121.2	118.5	116.2	114.2	112.7	111.7	111.1	111.0	5.4	11.0
10,0°	122.6	118.0	113.7	109.8	106.3	103.4	101.0	99.0	97.6	96.8	96.6	7.2	18.2
12,5°	114.3	108.4	103.1	98.2	93.9	90.3	87.3	84.9	83.3	82.4	82.1	9.2	27.4
15,0°	106.0	98.6	92.1	86.5	81.9	78.5	75.8	73.8	72.6	71.9	71.7	11.3	38.6
17,5°	96.8	88.4	81.9	77.1	73.2	69.9	67.1	64.8	63.1	62.3	62.0	13.4	52.1
20,0°	87.6	80.4	74.5	68.2	61.9	57.2	54.2	52.5	51.6	51.3	51.2	15.5	67.5
22,5°	81.1	73.1	63.5	55.5	51.8	50.5	49.8	49.4	49.1	49.0	49.0	17.5	85.1
25,0°	74.8	63.3	54.3	51.2	50.2	49.5	49.0	48.6	48.2	48.0	48.0	19.8	104.9
27,5°	64.0	53.7	51.1	50.3	49.7	49.1	48.5	48.1	47.6	47.4	47.4	22.4	127.3
30,0°	53.7	51.2	50.3	50.0	49.6	49.0	48.5	48.0	47.5	47.1	47.1	25.4	152.7
32,5°	51.9	50.5	50.1	50.0	49.6	49.2	48.7	48.2	47.6	47.1	47.1	29.5	182.2
35,0°	51.5	50.3	49.9	49.7	49.6	49.3	49.1	48.6	48.0	47.2	47.1	33.1	215.2
37,5°	50.8	49.9	49.5	49.5	49.4	49.3	49.4	49.1	48.5	47.5	47.4	35.0	250.3
40,0°	49.8	49.2	48.8	49.0	49.2	49.6	50.0	49.9	49.0	47.8	47.5	36.5	286.7
42,5°	49.3	48.3	48.1	48.5	49.4	50.0	50.6	49.9	48.7	47.1	46.6	38.2	325.0
45,0°	48.8	47.6	47.5	48.4	49.5	49.9	50.2	50.1	48.6	46.6	45.9	42.0	367.0
47,5°	49.1	47.5	47.5	48.5	49.2	50.4	51.2	51.7	49.7	46.9	46.3	49.8	416.7
50,0°	51.0	48.7	48.4	48.6	50.2	52.5	53.3	52.1	49.0	46.1	45.3	63.0	479.8
52,5°	54.8	51.7	49.3	49.5	51.9	52.9	53.0	50.8	47.0	44.2	43.3	79.3	559.1
55,0°	59.7	55.4	50.8	50.4	52.4	52.1	51.1	48.6	44.2	41.5	40.5	93.7	652.8
57,5°	65.1	57.4	50.9	49.9	51.7	49.6	48.1	45.9	41.8	38.9	38.8	99.5	752.3
60,0°	67.5	55.2	49.8	48.4	48.8	47.2	44.9	43.5	39.8	37.2	37.4	90.6	843.0
62,5°	69.4	54.7	48.1	45.0	45.1	44.3	43.1	42.3	39.8	37.0	36.9	68.1	911.1
65,0°	68.9	53.6	45.3	41.5	42.3	42.6	41.8	41.0	38.0	35.5	35.9	41.0	952.1
67,5°	61.5	48.1	40.4	38.0	39.8	41.1	40.2	38.2	34.3	38.8	79.9	19.3	971.4
70,0°	49.3	40.7	35.6	34.2	36.8	38.4	36.3	32.5	27.8	26.1	56.8	10.1	981.6
72,5°	38.9	34.9	31.3	30.1	32.4	33.8	30.8	25.4	20.2	20.4	27.1	6.9	988.4
75,0°	30.5	29.4	26.0	26.3	28.5	26.6	20.9	14.4	12.0	13.0	14.0	5.0	993.5
77,5°	22.1	22.1	17.8	15.8	18.7	18.8	15.1	9.0	7.9	7.5	7.5	3.4	996.9
80,0°	12.2	11.5	9.8	9.5	8.6	5.6	5.0	4.0	3.4	3.4	3.3	1.8	998.7
82,5°	4.8	4.0	3.6	3.1	2.4	1.7	1.6	1.3	1.1	1.0	1.0	0.8	999.5
85,0°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.3	999.8
87,5°	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.2	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: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	3170	23.1	23.8	23.5
95	241	252	3008	21.7	22.4	22.0
90	229	250	2858	20.4	21.1	20.8
85	216	248	2696	19.1	19.7	19.4
80	203	246	2534	17.8	18.4	18.1
75	190	243	2371	16.6	17.1	16.8
70	178	241	2221	15.5	15.9	15.7
65	165	238	2059	14.3	14.7	14.5
60	152	235	1897	13.1	13.5	13.3
55	140	232	1747	12.1	12.4	12.2
50	127	229	1585	11.0	11.3	11.2
45	114	225	1423	9.9	10.2	10.0
40	102	221	1273	8.9	9.2	9.0
35	89	216	1111	7.9	8.1	8.0
30	76	210	949	7.0	7.1	7.0
25	63	203	786	5.9	6.1	6.0
20	51	195	636	5.1	5.2	5.2
15	39	185	487	4.2	4.3	4.2