

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 micro

Bestell-Nr.: 5XA7762A1A1A
EAN: 4058352631058

LP-Nummer
59324_8



Ausführung Tragbügel
Optik asymmetrisch strahlend PL43
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 2200 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 2520 lm
Systemleistung = 23.1 W
Lichtausbeute = 109.1 lm/W

Seriendokumentation
05.07.2022

siteco

Lichtstärke in cd/klm

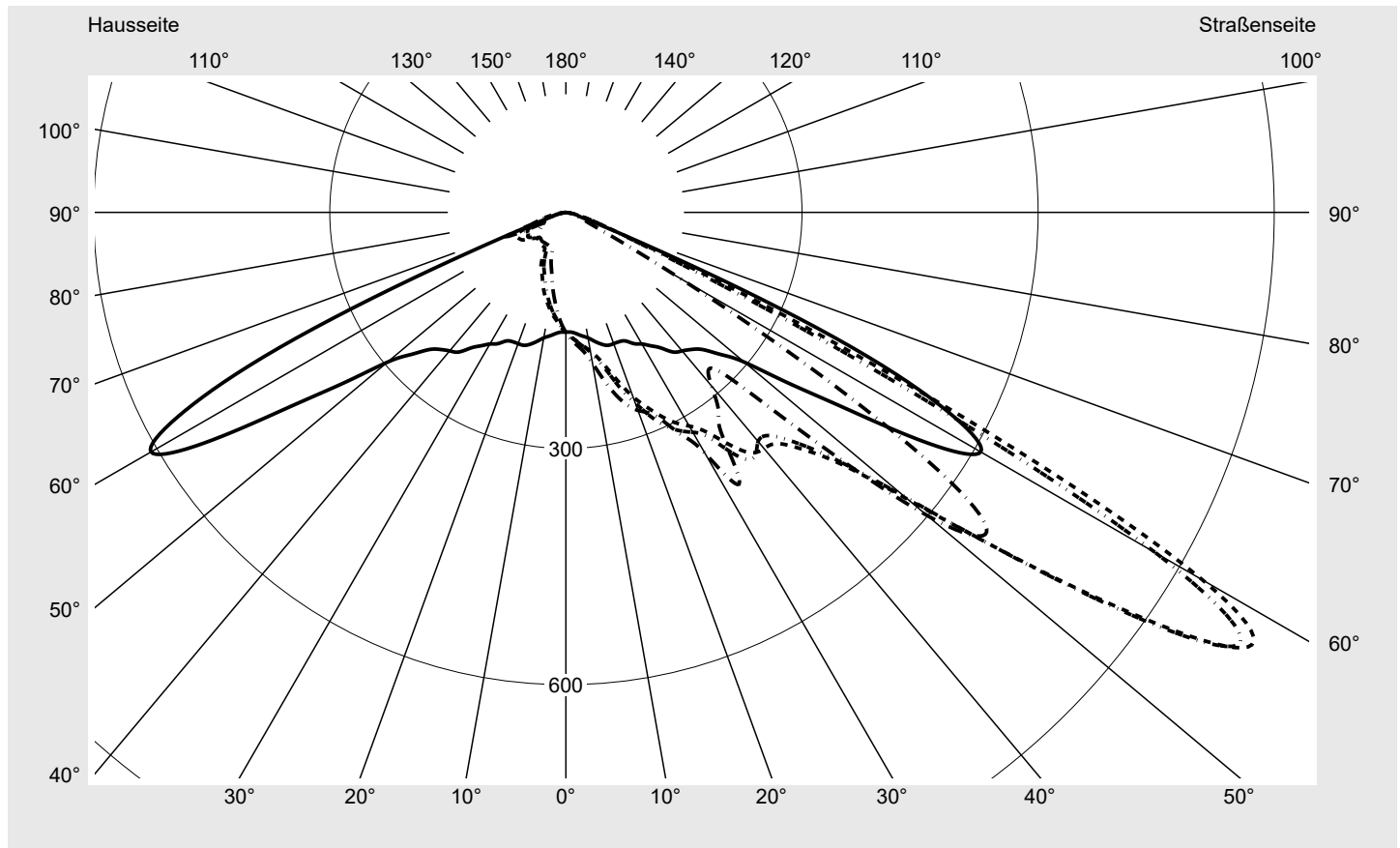
C180-0

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

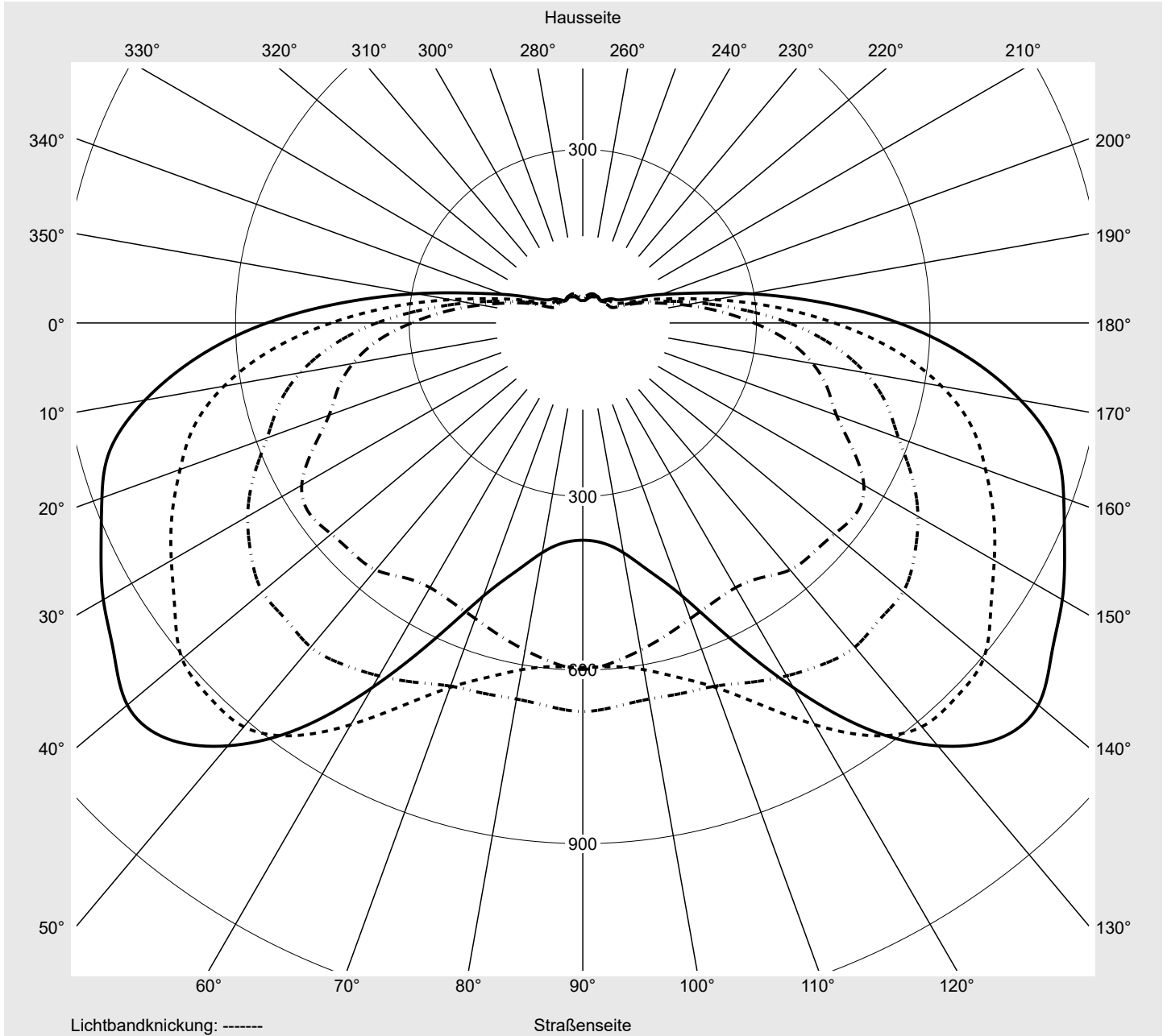
DIN EN 13032 und DIN 5032

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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
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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	2520	23.1	23.8	23.5
95	241	252	2391	21.7	22.4	22.0
90	229	250	2272	20.4	21.1	20.8
85	216	248	2143	19.1	19.7	19.4
80	203	246	2014	17.8	18.3	18.0
75	190	243	1885	16.6	17.1	16.8
70	178	241	1766	15.4	15.9	15.6
65	165	238	1637	14.3	14.7	14.5
60	152	235	1508	13.1	13.5	13.3
55	140	232	1389	12.1	12.4	12.2
50	127	229	1260	10.9	11.3	11.1
45	114	225	1131	9.9	10.2	10.0
40	102	221	1012	8.9	9.2	9.0
35	89	216	883	7.9	8.1	8.0
30	76	210	754	6.9	7.1	7.0
25	63	203	625	5.9	6.1	6.0
20	51	195	506	5.1	5.2	5.2
15	39	185	387	4.2	4.3	4.2