

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 mini
Bestell-Nr.: 5XA7772C5A1A
EAN: 4058352655658
LP-Nummer
59304_92

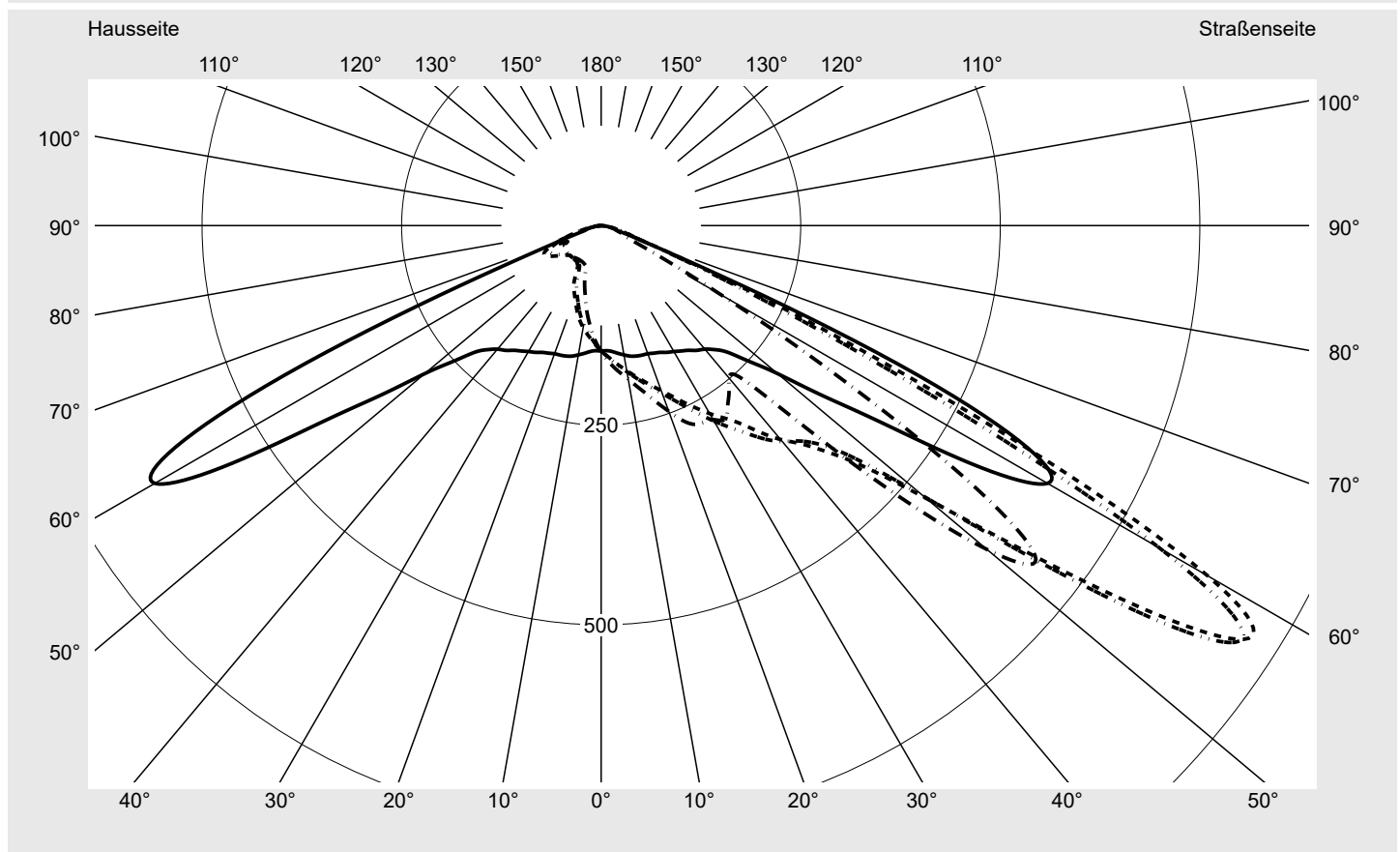

Ausführung	Tragbügel
Optik	asymmetrisch strahlend PL43
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 4000 K CRI ≥ 80
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 11690 lm Systemleistung = 87.2 W Lichtausbeute = 134.1 lm/W

Seriendokumentation
26.08.2022
siteco
Lichtstärke in cd/klm
 C180-0

 C220-40

 C225-45

 C270-90

Imax: 962 cd/klm

Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	58.9
Imax 80°	16.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

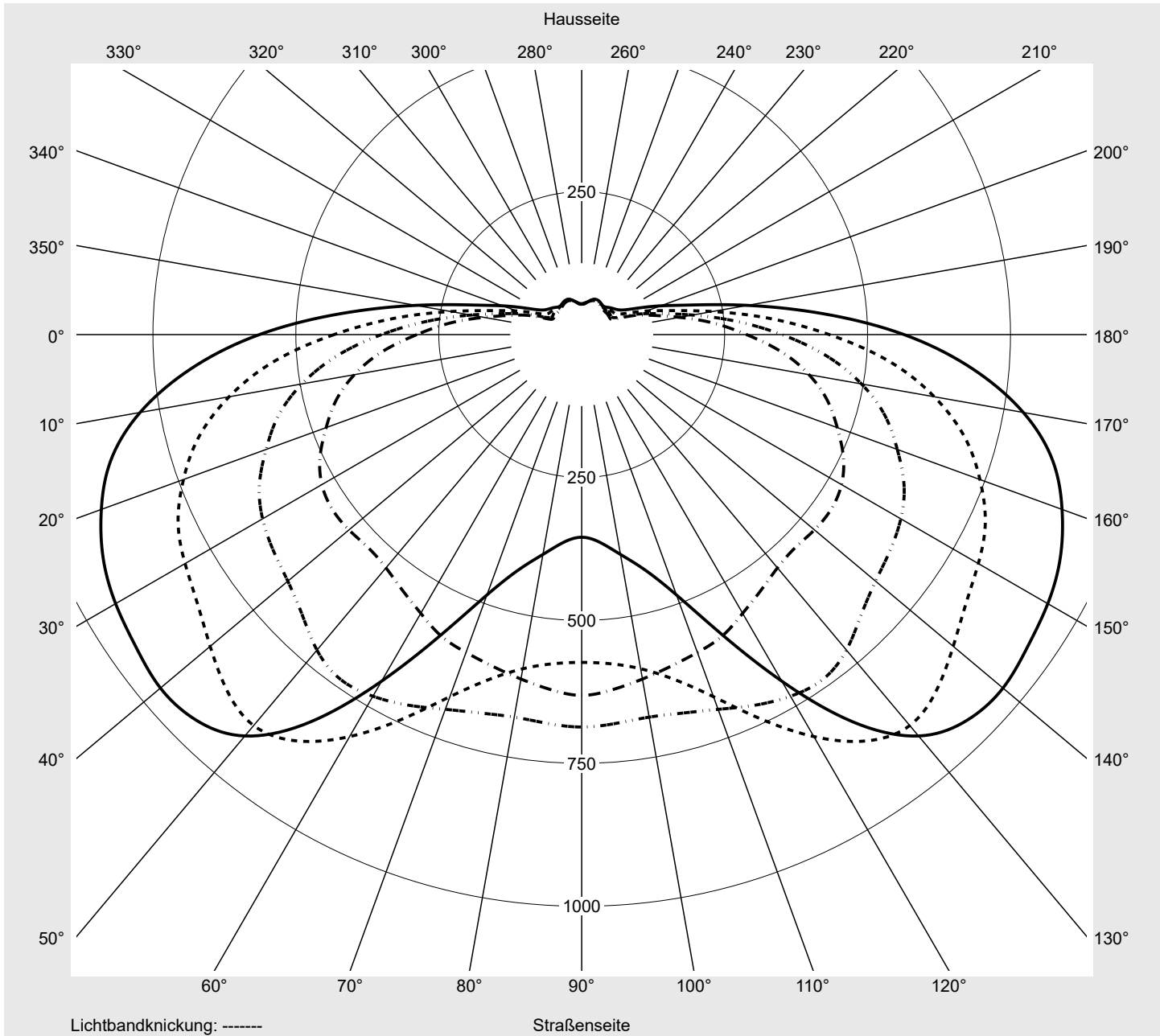
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 57,5°** **KMK 55°** **KMK 52,5°** **KMK 50°** **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°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1
2,5°	156.9	157.8	158.6	159.4	160.2	161.0	161.7	162.4	163.1	163.7	164.4	165.0	165.6
5,0°	158.3	160.3	161.9	163.5	165.0	166.4	167.6	168.8	170.0	171.0	172.1	173.0	174.0
7,5°	161.4	164.1	166.5	168.8	170.8	172.7	174.4	175.8	177.2	178.4	179.5	180.6	181.6
10,0°	164.4	168.1	171.3	174.2	176.8	179.2	181.2	182.9	184.5	185.9	187.2	188.4	189.4
12,5°	167.4	171.9	175.9	179.6	182.7	185.7	188.2	190.5	192.5	194.4	195.9	197.4	198.5
15,0°	169.2	174.7	179.7	184.2	188.1	191.7	195.0	198.2	200.9	203.5	205.4	207.1	208.3
17,5°	170.1	176.8	183.0	188.6	193.4	198.0	202.4	206.5	210.2	213.4	215.9	217.8	219.1
20,0°	170.8	178.9	186.4	193.1	198.9	204.6	210.0	215.2	219.8	223.8	226.6	229.0	230.4
22,5°	172.9	182.4	191.1	199.1	206.0	212.8	219.3	225.5	231.1	236.1	239.6	242.2	243.8
25,0°	175.2	186.7	196.7	206.0	214.3	222.5	230.0	237.3	244.1	250.2	255.0	258.3	259.3
27,5°	179.0	192.2	203.8	214.5	224.8	234.2	242.1	249.6	257.6	265.9	272.7	276.2	277.6
30,0°	182.1	198.0	211.4	223.9	236.8	246.8	255.3	263.0	271.9	282.7	291.6	295.0	295.2
32,5°	186.3	204.6	220.0	233.6	246.8	258.6	268.6	277.2	285.6	299.6	313.0	316.6	314.8
35,0°	190.7	212.2	229.6	244.3	257.6	270.0	281.5	292.9	302.1	317.6	336.0	344.0	332.8
37,5°	197.0	222.6	243.9	261.0	276.5	291.4	305.0	318.1	325.8	337.0	354.4	355.4	337.3
40,0°	202.1	234.4	261.9	285.4	306.6	325.4	340.0	349.0	349.7	353.0	352.8	344.0	326.3
42,5°	210.8	246.5	277.6	303.1	326.1	347.8	364.5	372.2	370.8	365.9	352.1	338.3	320.8
45,0°	224.6	267.6	303.3	332.4	357.2	380.8	398.8	405.5	401.1	387.6	369.4	352.4	336.5
47,5°	252.0	299.0	341.4	375.5	403.1	429.0	447.0	452.6	447.0	431.9	416.5	405.9	403.2
50,0°	288.4	351.5	403.8	444.9	475.7	505.0	524.8	532.6	531.5	527.6	532.6	546.3	563.0
52,5°	350.2	430.3	497.0	549.5	587.4	622.1	644.5	658.5	671.1	691.9	720.5	736.0	730.5
55,0°	433.2	540.5	626.3	693.6	741.3	779.0	801.1	820.5	848.3	878.5	892.7	867.8	812.0
57,5°	563.9	686.2	784.4	853.1	894.2	923.7	941.4	952.1	962.0	953.8	916.6	827.1	700.1
60,0°	645.7	773.4	861.0	921.1	936.8	940.1	941.0	920.1	877.5	808.2	711.0	584.2	450.7
62,5°	601.4	706.1	762.3	796.7	772.7	741.4	711.6	663.9	591.2	503.0	409.0	323.3	249.9
65,0°	409.8	448.6	471.6	480.8	450.9	418.9	389.1	352.4	303.7	251.6	208.1	168.8	130.0
67,5°	142.0	167.5	172.5	173.5	165.4	156.1	148.4	136.4	124.0	107.2	91.4	76.1	61.2
70,0°	49.3	49.2	46.7	47.4	48.3	48.8	50.1	50.4	52.3	51.7	51.7	53.8	51.3
72,5°	24.2	24.8	24.5	24.7	25.7	27.0	28.6	31.5	34.4	37.5	41.5	41.6	39.5
75,0°	19.2	21.9	20.2	19.9	20.5	20.8	21.6	24.6	26.1	26.6	28.4	29.8	29.8
77,5°	16.4	17.9	15.3	14.7	15.2	15.4	16.1	17.2	18.1	18.6	19.1	20.4	20.9
80,0°	12.2	11.0	10.3	9.9	10.2	10.8	10.9	11.8	12.7	13.2	13.0	13.2	14.0
82,5°	6.4	7.0	5.8	5.8	6.1	6.6	7.3	7.3	7.7	8.7	8.4	8.0	8.4
85,0°	2.9	3.0	2.8	2.8	3.1	3.3	3.7	3.6	3.6	3.7	3.7	3.8	3.8
87,5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	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	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°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1
2,5°	166.1	166.5	166.9	167.3	167.4	167.6	156.1	155.1	154.2	153.4	152.5	151.6	150.9
5,0°	174.8	175.6	176.4	177.0	177.4	177.6	156.7	154.7	152.7	150.7	148.7	146.7	144.8
7,5°	182.6	183.6	184.5	185.4	186.0	186.3	158.7	155.6	152.5	149.3	146.1	142.9	139.7
10,0°	190.4	191.5	192.7	193.9	194.8	195.2	160.7	156.7	152.4	148.0	143.4	138.8	134.2
12,5°	199.6	200.7	202.1	203.8	205.4	206.1	162.5	157.2	151.8	146.0	140.0	134.0	128.1
15,0°	209.4	210.5	212.0	214.4	216.9	218.0	163.0	156.5	149.7	142.6	135.2	127.9	120.8
17,5°	220.0	221.0	222.6	225.8	230.0	232.3	162.6	154.7	146.5	138.1	129.3	120.6	112.3
20,0°	231.5	232.1	233.3	236.5	243.2	247.5	161.8	152.4	142.9	133.0	122.7	113.0	103.9
22,5°	244.2	244.1	244.3	246.8	256.3	263.5	162.1	151.0	139.5	127.7	116.3	105.8	96.6
25,0°	258.9	257.0	256.0	257.5	267.6	274.6	162.8	149.5	135.7	122.5	110.3	99.5	90.3
27,5°	276.0	272.5	269.9	270.5	279.2	277.7	164.1	148.6	132.8	118.3	105.4	94.5	83.9
30,0°	292.6	285.9	280.7	280.7	287.6	280.6	164.7	147.1	130.0	114.5	101.4	89.8	71.6
32,5°	308.3	293.6	283.9	282.7	289.4	288.0	166.1	146.2	128.0	112.0	98.7	81.8	61.0
35,0°	320.0	299.4	285.4	284.6	281.9	276.3	166.9	144.5	125.1	109.2	94.6	69.0	57.3
37,5°	318.6	295.6	280.2	274.7	266.5	263.2	168.9	143.5	122.9	106.8	85.1	59.9	56.2
40,0°	306.3	286.3	269.5	257.9	251.2	249.2	169.3	141.4	120.1	103.5	70.1	56.9	55.1
42,5°	301.9	283.2	270.0	261.0	258.6	258.3	173.9	143.3	119.8	99.9	64.3	56.3	54.4
45,0°	325.6	319.6	322.8	329.4	337.4	341.4	185.0	148.7	120.3	97.0	63.3	56.8	54.7
47,5°	416.5	432.9	449.9	468.0	483.3	490.4	204.3	158.9	123.6	96.2	63.5	57.0	55.5
50,0°	581.7	591.7	600.9	611.9	623.4	631.1	231.4	173.7	129.8	97.6	64.8	57.1	57.2
52,5°	715.5	697.6	685.4	679.5	682.8	686.5	270.2	196.9	141.6	105.0	72.5	61.0	60.9
55,0°	742.0	674.1	624.4	593.6	578.0	573.5	328.4	232.3	162.1	121.0	88.8	71.9	67.7
57,5°	577.9	484.7	425.9	390.5	364.8	354.5	422.3	294.4	200.2	147.1	110.1	86.5	76.1
60,0°	351.0	288.2	242.2	207.0	181.1	173.8	495.8	349.8	239.8	173.3	127.8	98.5	84.3
62,5°	196.1	156.4	115.6	85.6	69.7	74.4	480.8	347.5	247.8	181.6	135.9	106.0	90.6
65,0°	100.6	78.5	46.7	41.6	38.9	38.1	316.1	238.2	187.4	143.3	115.4	97.1	87.3
67,5°	55.1	50.6	41.2	38.3	34.3	32.5	105.3	78.6	92.0	81.1	74.4	71.1	71.0
70,0°	45.1	39.2	33.6	30.6	27.3	25.3	35.1	30.6	34.0	41.3	43.2	46.3	51.7
72,5°	37.2	32.9	28.3	25.3	22.7	20.3	23.4	24.0	24.3	26.9	28.2	31.6	37.1
75,0°	29.0	26.7	22.7	19.9	19.3	17.0	20.3	17.9	18.7	20.4	21.0	23.9	27.9
77,5°	21.1	19.3	17.1	15.6	14.5	12.9	18.2	14.4	14.4	15.5	15.4	17.1	19.8
80,0°	13.9	12.7	11.3	10.4	9.4	8.6	11.9	12.3	9.7	11.4	11.2	12.0	13.1
82,5°	8.2	7.6	7.1	6.4	5.7	5.4	6.4	10.7	6.2	7.6	7.3	7.3	7.8
85,0°	3.7	3.7	3.5	3.0	2.6	2.5	2.9	5.9	3.4	3.5	3.4	3.4	3.8
87,5°	0.8	0.7	0.7	0.6	0.6	0.6	1.2	1.5	1.3	1.4	1.4	1.4	1.5
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°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	0.2	0.2
2,5°	150.1	149.4	148.7	148.2	147.7	147.3	147.0	146.7	146.4	146.3	146.4	1.9	2.1
5,0°	142.9	141.3	139.6	138.1	136.8	135.8	134.9	134.1	133.6	133.2	133.2	3.7	5.8
7,5°	136.6	133.7	130.8	128.4	126.1	124.2	122.5	121.2	120.3	119.7	119.6	5.6	11.4
10,0°	129.7	125.6	121.6	118.1	114.9	112.3	110.1	108.3	107.0	106.2	106.0	7.5	18.9
12,5°	122.3	117.0	112.0	107.4	103.3	99.8	96.8	94.6	92.9	92.0	91.7	9.3	28.2
15,0°	113.9	107.5	101.5	96.2	91.8	88.0	85.0	82.6	81.0	80.0	79.7	11.1	39.3
17,5°	104.5	97.7	91.5	86.2	81.6	77.5	74.0	71.2	69.2	68.1	67.8	12.9	52.3
20,0°	96.0	89.1	82.5	75.4	68.6	63.5	60.1	58.0	56.8	56.2	56.0	14.7	67.0
22,5°	88.6	80.3	70.2	61.8	57.5	55.7	54.6	53.8	53.3	53.0	53.0	16.7	83.7
25,0°	81.1	69.0	59.9	56.2	54.9	54.0	53.2	52.5	52.1	51.8	51.8	18.8	102.5
27,5°	68.9	58.8	55.8	54.7	53.9	53.2	52.6	52.0	51.5	51.2	51.2	21.2	123.7
30,0°	58.7	55.9	54.8	54.2	53.6	52.9	52.3	51.7	51.2	50.9	50.8	23.6	147.3
32,5°	56.2	55.0	54.4	54.0	53.4	52.9	52.3	51.7	51.2	50.8	50.8	26.1	173.4
35,0°	55.4	54.5	54.1	53.9	53.5	53.2	52.8	52.2	51.5	51.1	51.0	28.6	202.0
37,5°	55.0	54.2	54.0	54.1	54.1	54.0	53.6	52.9	52.2	51.6	51.5	31.0	233.0
40,0°	54.3	53.9	54.1	54.7	55.0	55.1	54.9	54.2	53.4	52.4	52.2	33.3	266.3
42,5°	53.7	53.9	54.5	55.5	56.3	56.8	56.8	56.0	54.7	53.4	52.9	36.0	302.3
45,0°	53.7	54.1	55.5	56.9	58.2	59.0	59.0	57.8	56.2	54.4	53.7	41.1	343.4
47,5°	54.7	54.8	56.7	58.3	59.9	61.1	61.2	59.5	57.4	55.1	54.2	50.3	393.8
50,0°	57.5	57.0	58.4	59.7	61.8	63.4	63.3	61.0	58.0	55.4	54.4	64.1	457.9
52,5°	61.5	60.0	60.1	61.2	63.5	65.0	64.7	61.9	58.2	55.1	54.1	80.0	537.8
55,0°	66.0	63.3	61.4	62.1	64.4	66.0	65.5	62.2	58.3	54.6	53.7	93.3	631.1
57,5°	71.2	67.1	63.3	63.0	65.1	66.5	65.8	62.2	57.8	53.9	53.2	98.8	729.9
60,0°	76.7	70.2	65.0	63.6	65.1	66.2	64.8	60.9	56.1	52.1	52.0	92.1	822.0
62,5°	80.1	71.9	65.9	63.1	63.6	63.8	61.8	58.0	54.1	50.5	51.4	72.6	894.5
65,0°	77.8	70.7	64.4	60.4	59.6	59.5	57.3	54.0	51.0	47.3	47.6	45.7	940.2
67,5°	68.6	64.3	59.3	55.5	54.0	53.4	51.3	48.0	43.7	45.1	64.2	21.9	962.1
70,0°	54.2	53.8	50.6	47.9	46.9	45.9	43.9	40.6	36.7	36.5	58.9	11.5	973.6
72,5°	41.2	42.2	41.3	39.8	38.7	37.9	36.1	32.7	29.4	28.7	34.9	8.3	981.9
75,0°	31.2	32.5	32.8	32.1	31.5	30.8	29.0	25.2	23.1	22.3	23.2	6.5	988.4
77,5°	22.1	24.0	24.4	24.1	24.0	24.0	22.2	18.4	16.4	15.3	15.3	4.9	993.3
80,0°	14.9	16.0	16.3	16.1	16.3	16.9	15.3	12.2	10.7	9.5	9.3	3.3	996.6
82,5°	8.9	9.6	9.8	9.6	9.6	9.5	8.5	7.3	6.4	5.6	5.2	2.1	998.7
85,0°	4.3	4.6	4.6	4.6	4.6	4.3	3.8	3.5	3.1	2.7	2.6	1.0	999.7
87,5°	1.5	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.1	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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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	11690	87.2	92.1	89.6
95	241	252	11092	81.9	86.5	84.2
90	229	250	10539	77.1	81.4	79.2
85	216	248	9941	72.0	76.0	74.0
80	203	246	9343	67.1	70.8	68.9
75	190	243	8744	62.3	65.7	64.0
70	178	241	8192	57.9	61.1	59.5
65	165	238	7594	53.2	56.2	54.7
60	152	235	6996	48.6	51.4	50.0
55	140	232	6443	44.5	46.9	45.7
50	127	229	5845	40.1	42.2	41.2
45	114	225	5247	35.9	37.7	36.8
40	102	221	4694	31.9	33.6	32.8
35	89	216	4096	27.8	29.3	28.6
30	76	210	3498	23.8	25.0	24.4
25	63	203	2899	20.0	21.0	20.5
20	51	195	2347	16.5	17.3	16.9
16	40	186	1841	13.3	13.9	13.6