

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 midi

Bestell-Nr.: 5XA7782E5E1A
EAN: 4058352854099

LP-Nummer
59252_194



Ausführung Tragbügel
Optik asymmetrisch strahlend PL64
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 24200 lm
Systemleistung = 208.1 W
Lichtausbeute = 116.3 lm/W

Seriendokumentation
22.08.2023

siteco

Lichtstärke in cd/klm

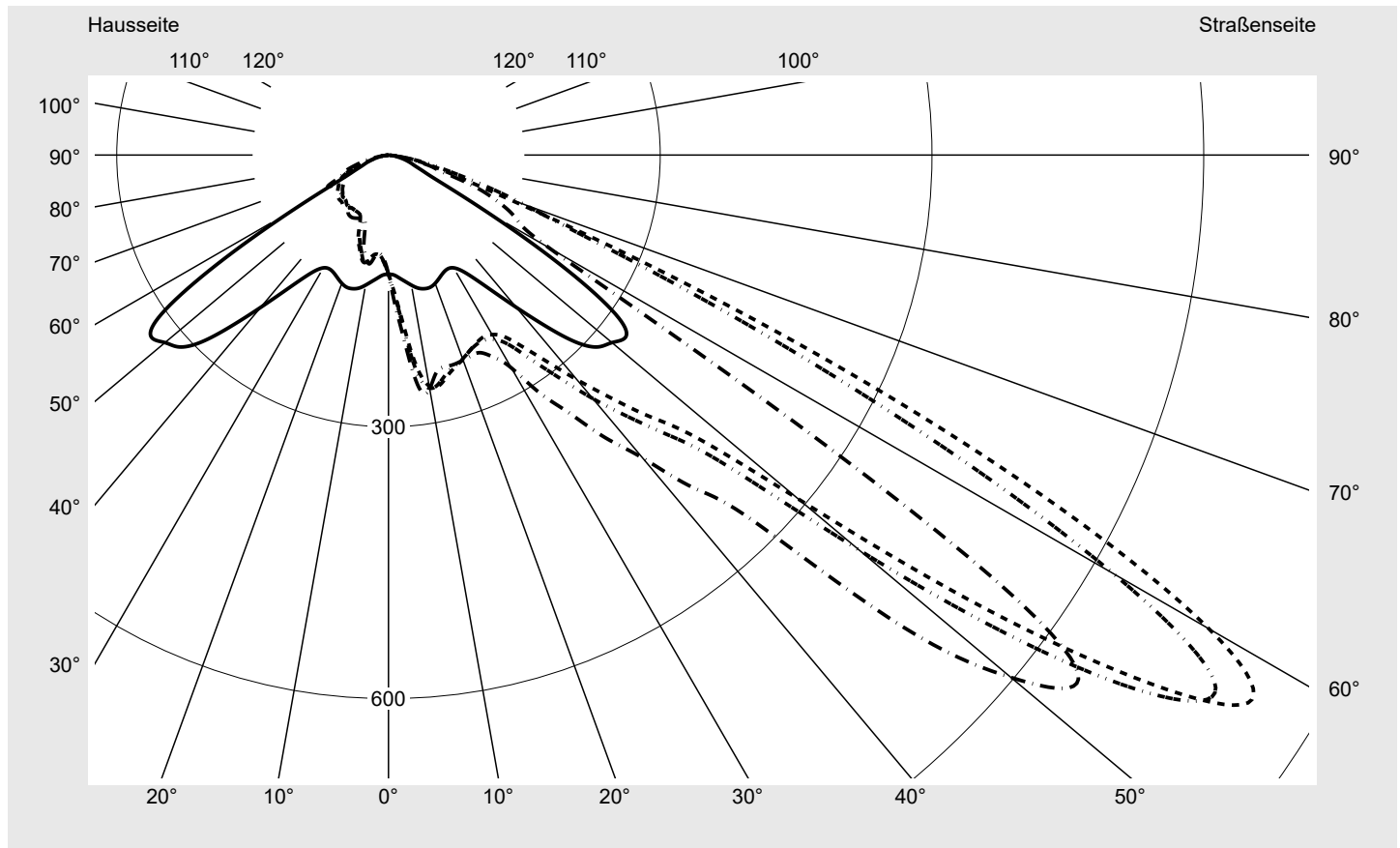
C180-0

C230-50

C235-55

C270-90

Imax: 1125 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	159.0
Imax 80°	26.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

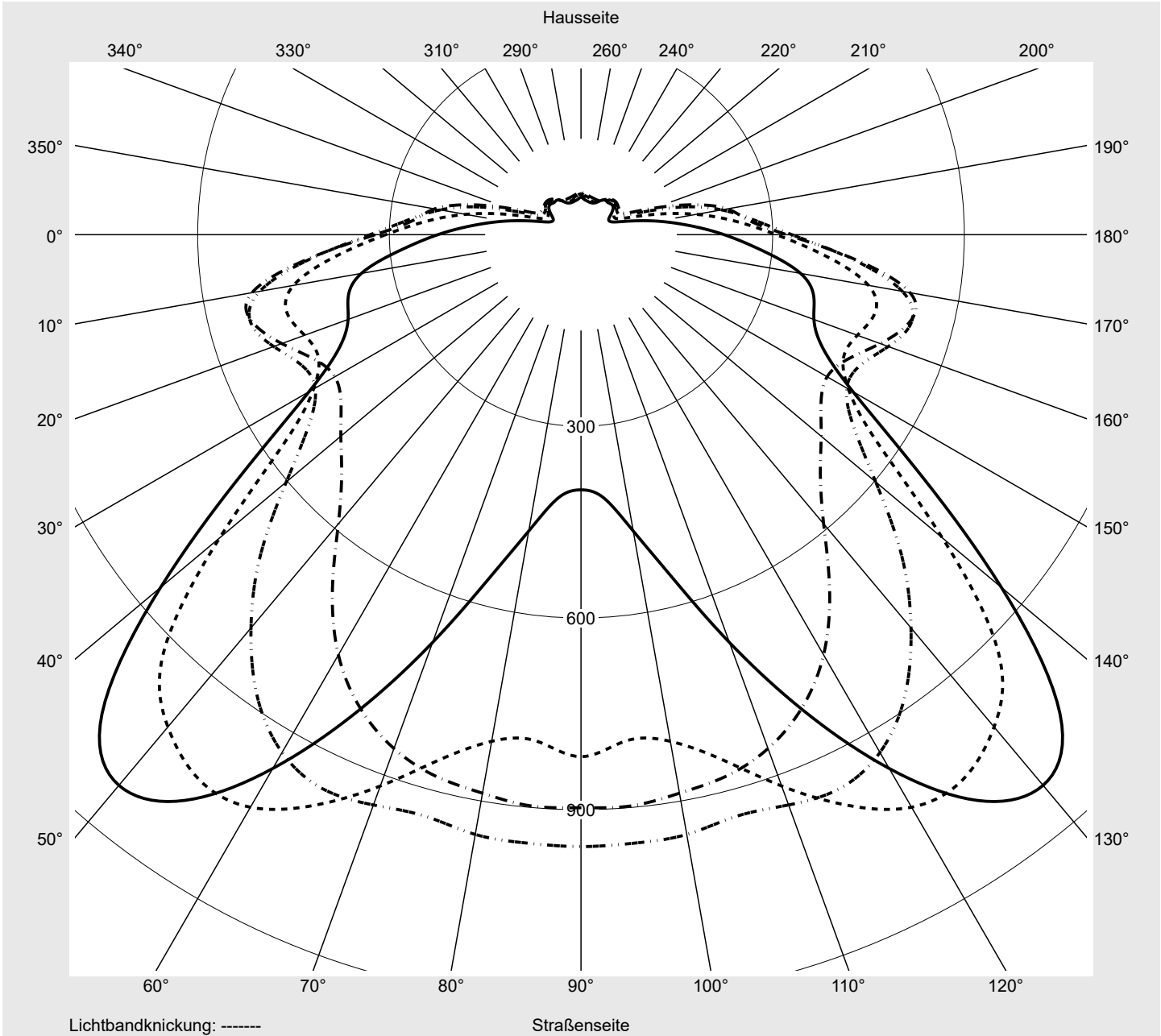
Messbedingungen

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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2,5°	132.4	134.5	136.5	138.6	140.7	142.9	145.0	147.2	149.3	151.1	152.6	154.1	155.5
5,0°	136.2	140.7	145.2	150.1	155.2	160.1	165.5	171.2	177.1	182.6	187.7	192.3	196.7
7,5°	140.7	147.8	155.4	163.1	171.8	181.2	191.0	201.4	212.6	224.1	234.3	242.3	248.0
10,0°	145.8	155.5	166.0	177.1	189.8	203.4	219.6	236.2	247.5	254.2	258.8	261.3	262.6
12,5°	150.4	163.4	176.8	191.2	208.5	228.7	244.2	253.7	259.4	261.0	260.3	258.1	255.4
15,0°	152.7	169.1	184.5	203.0	225.6	243.0	253.7	258.5	258.2	255.7	252.1	249.2	247.0
17,5°	153.0	171.4	189.1	213.7	236.0	249.5	254.3	253.6	250.3	247.3	245.3	243.9	243.1
20,0°	150.7	170.1	191.9	220.1	239.7	247.8	247.7	244.7	242.2	240.9	239.8	239.4	239.0
22,5°	146.9	167.3	194.1	222.9	239.1	241.1	238.4	236.2	234.8	234.0	233.9	234.1	234.5
25,0°	143.3	166.0	197.5	224.2	235.4	233.9	231.7	229.8	228.3	228.4	229.2	230.5	231.6
27,5°	141.6	168.5	202.2	227.6	232.9	229.8	227.0	224.2	223.4	224.5	226.5	230.0	233.3
30,0°	143.8	174.8	209.4	232.3	233.6	228.8	223.8	220.7	220.7	223.4	228.9	235.1	241.0
32,5°	151.9	186.1	221.0	239.6	236.5	229.5	222.7	220.1	222.5	229.3	237.7	248.7	261.9
35,0°	167.3	204.1	238.0	252.1	245.3	233.3	225.7	225.6	233.1	243.5	258.5	276.2	294.8
37,5°	189.9	231.0	265.4	275.9	263.2	243.1	234.5	238.8	249.7	266.6	287.4	310.3	332.0
40,0°	219.4	268.8	310.2	319.3	292.3	261.6	252.6	260.2	275.4	298.0	323.7	350.9	373.9
42,5°	255.2	318.2	376.2	379.5	329.0	294.5	282.7	290.6	310.0	334.9	363.8	392.0	416.1
45,0°	291.7	377.9	460.0	441.3	383.2	346.4	329.7	335.2	356.3	380.6	408.5	437.2	467.1
47,5°	313.5	422.4	510.1	492.7	444.3	404.7	385.1	390.6	412.4	433.9	462.3	509.0	567.3
50,0°	322.1	427.1	523.1	531.8	498.3	460.9	444.9	458.7	490.7	529.8	590.9	678.4	759.4
52,5°	330.0	423.0	510.7	534.9	511.8	482.8	480.3	520.0	602.2	709.6	803.6	883.3	935.9
55,0°	305.8	384.9	457.0	476.1	460.3	453.6	483.4	565.6	738.3	923.8	1005.9	1041.7	1034.9
57,5°	224.1	284.8	349.1	377.3	388.0	416.9	491.6	641.3	859.1	1060.2	1125.2	1081.1	964.9
60,0°	124.1	156.8	227.5	273.2	299.1	350.2	474.4	685.2	902.7	1047.0	1045.9	924.1	734.1
62,5°	63.0	73.0	129.6	185.8	222.2	266.7	381.8	564.4	742.6	853.1	813.5	664.6	495.2
65,0°	42.6	44.9	81.7	136.8	181.2	216.0	273.1	371.7	467.9	543.1	529.6	413.8	301.4
67,5°	32.5	35.5	54.9	89.0	121.0	143.7	166.0	206.7	241.9	283.0	278.9	234.8	203.4
70,0°	27.0	28.2	38.3	54.2	71.1	80.0	89.0	107.6	120.9	125.1	137.6	159.0	148.1
72,5°	22.1	22.7	23.8	26.1	38.7	50.0	53.3	52.6	32.7	50.1	82.7	108.4	102.1
75,0°	17.3	18.2	18.6	20.8	23.8	33.3	35.7	23.9	24.2	34.9	57.1	70.0	68.9
77,5°	12.3	13.6	14.7	16.3	17.7	23.3	23.2	18.2	17.8	23.1	38.9	47.5	44.6
80,0°	8.5	9.4	11.0	12.4	13.8	14.7	14.5	12.5	11.8	14.2	22.7	26.3	22.3
82,5°	5.6	6.1	7.7	9.0	10.5	10.4	9.4	8.1	7.1	7.6	12.0	10.9	9.5
85,0°	2.7	3.3	4.5	5.5	6.0	5.5	4.9	3.8	3.3	2.8	2.9	2.9	3.1
87,5°	1.1	1.2	1.4	1.6	1.6	1.4	1.2	1.0	1.0	1.0	1.0	1.0	1.1
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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2,5°	156.6	157.4	158.2	158.9	159.9	164.9	130.5	128.8	127.2	125.6	124.1	122.9	121.7
5,0°	200.7	204.1	206.9	209.2	211.1	208.1	131.9	128.2	124.8	121.9	119.3	117.2	115.4
7,5°	251.8	254.5	256.3	257.6	258.6	259.4	134.3	128.8	124.2	120.6	117.6	115.5	113.8
10,0°	262.9	262.7	261.8	261.0	260.3	261.7	137.0	130.1	124.5	120.7	117.9	115.7	114.0
12,5°	252.7	250.4	248.2	246.5	245.3	245.4	139.2	130.7	124.9	121.4	118.5	116.9	118.0
15,0°	245.6	244.4	243.3	242.3	241.7	242.0	139.2	129.7	124.3	121.2	119.6	121.5	122.0
17,5°	242.5	242.2	242.0	241.8	241.8	242.1	136.8	126.8	122.1	119.9	122.3	121.8	120.9
20,0°	238.9	239.1	239.3	239.7	240.2	240.8	132.5	122.8	118.8	120.6	120.8	119.0	112.3
22,5°	234.9	235.5	236.2	237.3	238.6	239.5	127.6	118.5	117.1	120.1	117.2	110.8	103.0
25,0°	232.8	234.3	236.2	238.3	240.1	240.7	123.8	115.5	117.5	117.1	112.7	102.5	95.4
27,5°	235.5	237.9	241.2	245.0	248.0	251.6	122.0	114.1	119.1	114.4	104.9	95.8	88.1
30,0°	247.1	253.8	260.5	267.0	271.5	271.3	123.0	116.1	119.8	111.9	98.9	90.2	79.8
32,5°	273.6	283.7	292.5	300.5	305.7	312.0	128.5	123.1	121.2	108.8	94.1	84.0	75.1
35,0°	310.3	322.7	333.0	341.7	347.8	347.3	139.5	135.3	123.3	105.0	89.7	77.9	73.4
37,5°	350.9	365.7	376.4	385.0	391.1	393.4	155.8	149.6	126.9	103.3	85.9	75.6	73.2
40,0°	394.0	410.6	422.4	431.0	437.2	436.5	178.6	167.3	134.1	105.7	84.0	76.1	74.0
42,5°	437.8	455.4	469.6	480.6	488.5	498.0	204.1	186.9	144.7	111.1	85.3	76.9	74.4
45,0°	496.1	523.4	548.1	567.3	579.9	574.6	230.4	207.0	158.8	119.3	86.5	76.9	75.2
47,5°	622.1	667.2	704.9	729.3	744.5	772.1	248.7	221.2	172.9	124.8	85.9	75.9	75.1
50,0°	817.7	856.0	877.6	887.8	897.6	897.0	262.7	232.7	181.0	121.5	80.7	72.4	72.3
52,5°	957.0	949.9	942.3	953.3	956.1	957.8	270.4	223.5	168.0	104.5	72.0	66.7	68.0
55,0°	985.4	918.4	850.3	805.3	795.7	817.1	242.5	183.3	124.3	77.7	60.2	59.3	63.2
57,5°	820.8	679.3	557.4	471.0	414.0	399.4	168.5	121.8	83.1	58.3	49.6	50.4	58.2
60,0°	565.9	416.9	291.2	218.8	201.8	204.1	98.5	76.3	60.2	49.5	42.7	42.5	51.4
62,5°	352.9	225.2	172.1	164.4	165.0	163.5	62.0	53.1	50.9	44.0	38.6	37.9	42.6
65,0°	215.8	157.2	148.0	144.2	146.1	148.1	45.1	41.3	45.0	39.4	35.9	35.1	37.7
67,5°	155.8	138.1	133.4	129.5	129.8	126.1	35.6	35.3	36.1	34.5	32.8	32.2	34.9
70,0°	123.4	120.3	112.5	104.4	99.6	99.7	28.5	30.8	31.5	31.1	29.5	29.2	32.2
72,5°	90.4	88.2	79.7	70.9	68.2	63.4	23.2	24.9	27.7	26.3	25.0	25.2	27.5
75,0°	64.4	59.0	56.6	51.9	49.2	49.4	19.3	20.8	21.2	21.1	20.8	20.7	21.5
77,5°	39.1	35.8	37.0	39.4	36.6	32.0	13.8	15.5	15.5	15.5	15.9	15.5	15.0
80,0°	19.4	19.5	22.1	22.4	19.3	18.9	9.2	10.4	10.5	10.7	10.7	10.1	9.5
82,5°	9.4	9.3	10.3	10.0	8.2	7.7	5.7	6.3	6.7	6.6	6.3	5.9	5.5
85,0°	3.1	3.0	2.9	2.9	2.8	3.0	2.9	3.2	3.4	3.2	3.1	2.9	2.7
87,5°	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.2	1.2
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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	0.2	0.2
2,5°	120.5	119.5	118.5	117.8	117.0	116.5	116.1	115.8	115.6	115.3	115.3	1.6	1.8
5,0°	113.8	112.6	111.6	110.9	110.4	110.0	109.7	109.6	109.4	109.1	109.2	3.5	5.3
7,5°	112.5	111.3	110.4	110.0	110.0	110.3	110.8	111.4	111.9	112.1	112.2	5.9	11.2
10,0°	113.2	113.9	115.3	116.9	118.0	118.9	120.0	120.9	121.7	122.0	122.0	8.4	19.6
12,5°	119.7	120.5	121.6	122.0	120.4	118.5	116.9	115.9	115.3	114.8	114.6	10.5	30.1
15,0°	122.1	120.5	116.5	113.3	110.9	109.0	107.6	106.7	106.1	105.6	105.2	12.5	42.6
17,5°	115.7	110.7	106.8	103.7	101.2	98.4	94.9	91.4	88.7	87.1	86.6	14.2	56.8
20,0°	106.2	101.5	97.6	92.5	85.4	80.0	77.7	77.1	77.0	77.0	76.9	15.6	72.4
22,5°	97.2	91.7	83.1	76.4	74.6	74.5	74.9	75.4	75.7	76.0	76.1	16.9	89.3
25,0°	88.7	78.4	73.8	72.9	73.0	73.6	74.4	75.3	76.2	76.8	77.1	18.3	107.7
27,5°	77.4	72.9	71.9	71.8	72.1	72.9	74.3	75.8	77.2	78.1	78.5	19.9	127.6
30,0°	73.6	71.9	71.4	71.4	71.7	72.7	74.5	76.4	78.1	79.3	79.7	22.0	149.6
32,5°	72.5	71.5	71.3	71.0	71.4	72.5	74.3	76.4	78.2	79.3	79.6	24.7	174.3
35,0°	72.1	71.7	71.3	71.2	71.2	72.0	73.0	74.5	76.2	77.3	77.7	28.1	202.4
37,5°	72.9	73.2	73.4	72.0	70.5	70.0	70.4	71.0	71.9	72.8	73.3	32.3	234.7
40,0°	73.9	75.3	75.1	71.5	68.7	66.7	66.6	67.4	68.6	69.5	69.9	37.6	272.3
42,5°	74.4	76.4	74.5	69.2	66.0	64.5	64.1	64.7	66.1	67.6	68.3	43.9	316.2
45,0°	75.2	75.9	73.1	68.2	64.3	62.2	61.4	62.3	64.3	66.3	67.4	52.1	368.3
47,5°	75.1	74.8	73.2	67.8	62.7	60.7	60.0	61.4	64.6	67.3	68.4	63.5	431.8
50,0°	74.2	74.8	72.5	67.4	61.7	59.9	60.1	60.9	62.5	64.5	66.0	77.1	508.9
52,5°	72.3	73.4	70.7	67.3	61.5	59.5	57.9	58.1	59.9	61.8	64.0	88.3	597.2
55,0°	69.1	70.8	68.3	66.7	61.9	57.2	55.2	55.5	56.4	58.2	61.7	90.8	688.0
57,5°	65.7	67.4	65.6	66.0	61.7	55.4	52.8	52.5	53.7	55.6	58.5	81.1	769.0
60,0°	61.4	63.0	62.1	63.8	61.7	55.3	51.6	51.0	52.2	56.1	60.3	66.4	835.4
62,5°	52.6	57.3	56.9	60.4	60.7	55.9	51.6	51.3	57.5	69.3	75.4	51.0	886.5
65,0°	43.1	48.7	51.4	55.4	57.9	56.1	52.5	56.3	62.8	61.2	61.7	36.9	923.4
67,5°	37.4	38.3	42.6	48.4	54.0	54.3	53.4	55.3	52.6	53.2	54.3	25.3	948.7
70,0°	32.2	30.9	33.3	40.0	47.3	50.8	51.5	49.0	47.0	48.3	49.4	17.6	966.3
72,5°	25.8	25.0	24.1	28.5	36.2	42.4	45.8	39.0	39.0	39.6	40.0	11.9	978.2
75,0°	19.8	17.8	17.9	20.3	25.4	31.1	36.7	33.2	30.3	30.4	31.0	8.7	986.9
77,5°	13.8	12.8	12.8	14.4	18.1	21.3	25.2	25.0	21.7	21.6	22.2	6.1	993.0
80,0°	8.7	8.6	8.6	9.3	11.7	12.3	13.6	15.3	13.6	13.3	13.5	3.7	996.7
82,5°	5.2	5.1	5.1	5.6	6.8	6.7	6.7	7.3	7.2	6.9	7.1	2.1	998.8
85,0°	2.6	2.5	2.5	2.6	2.8	2.7	2.7	2.6	2.6	2.6	2.6	0.9	999.7
87,5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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	24200	208.1	227.1	217.6
95	241	252	22961	193.9	211.3	202.6
90	229	250	21818	181.2	197.5	189.4
85	216	248	20580	168.0	183.0	175.5
80	203	246	19341	155.3	169.0	162.2
75	190	243	18102	143.2	155.6	149.4
70	178	241	16959	132.3	143.8	138.0
65	165	238	15720	121.0	131.4	126.2
60	152	235	14482	110.1	119.4	114.8
55	140	232	13339	100.3	108.8	104.6
50	127	229	12100	90.1	97.6	93.8
45	114	225	10861	80.1	86.7	83.4
40	102	221	9718	71.0	76.9	74.0
35	89	216	8480	61.5	66.5	64.0
30	76	210	7241	52.4	56.5	54.4
25	63	203	6002	43.7	47.0	45.4
20	51	195	4859	36.0	38.6	37.3
15	38	184	3620	27.7	29.6	28.6
13	32	178	3049	24.0	25.5	24.8