

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 midi

Bestell-Nr.: 5XA7781F2E3A
EAN: 4058352852934

LP-Nummer
59252_196



Ausführung	Mastbügel
Optik	asymmetrisch strahlend PL64
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 34530 lm Systemleistung = 270.2 W Lichtausbeute = 127.8 lm/W

Seriendokumentation
22.08.2023

siteco

Lichtstärke in cd/klm

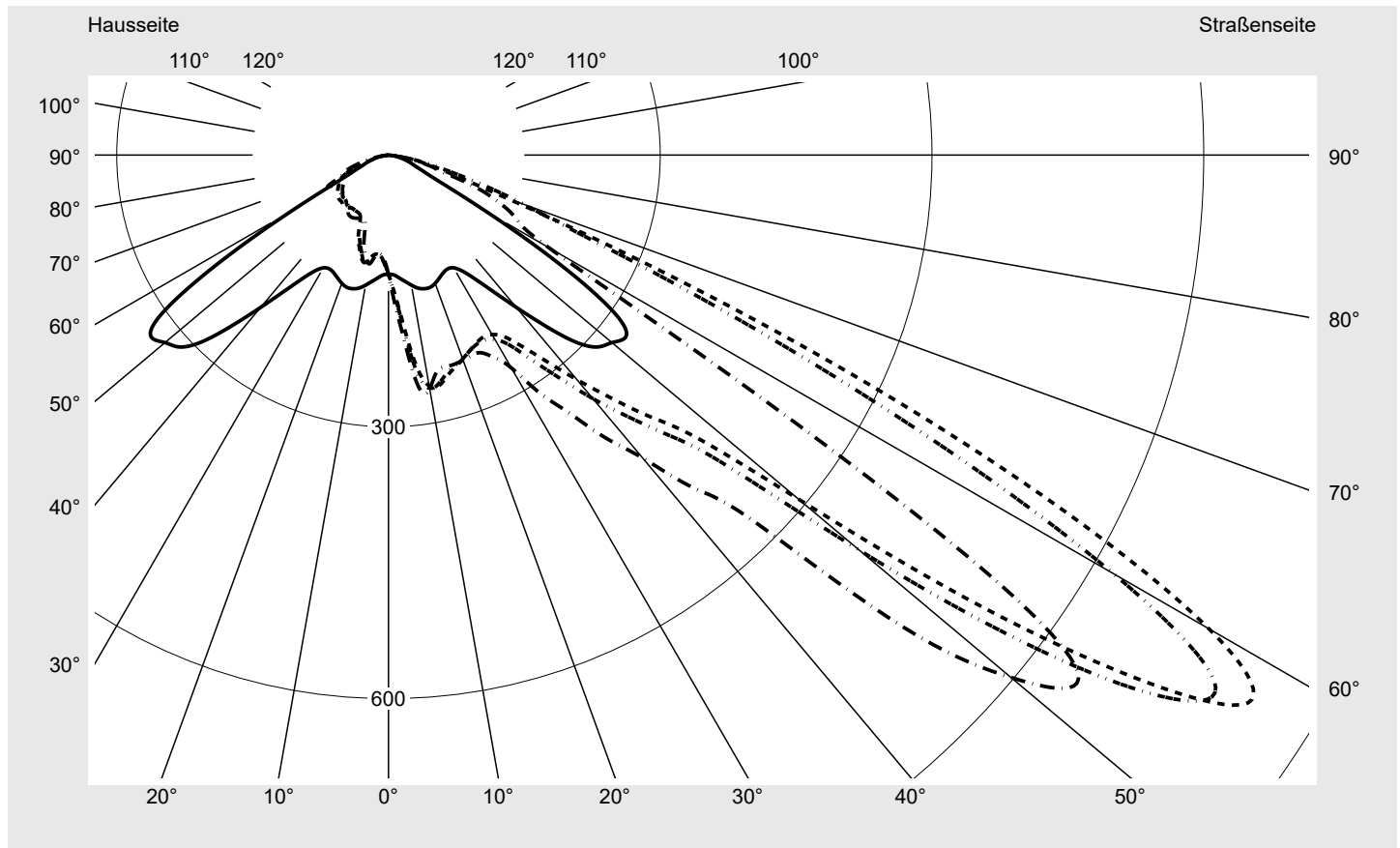
C180-0

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

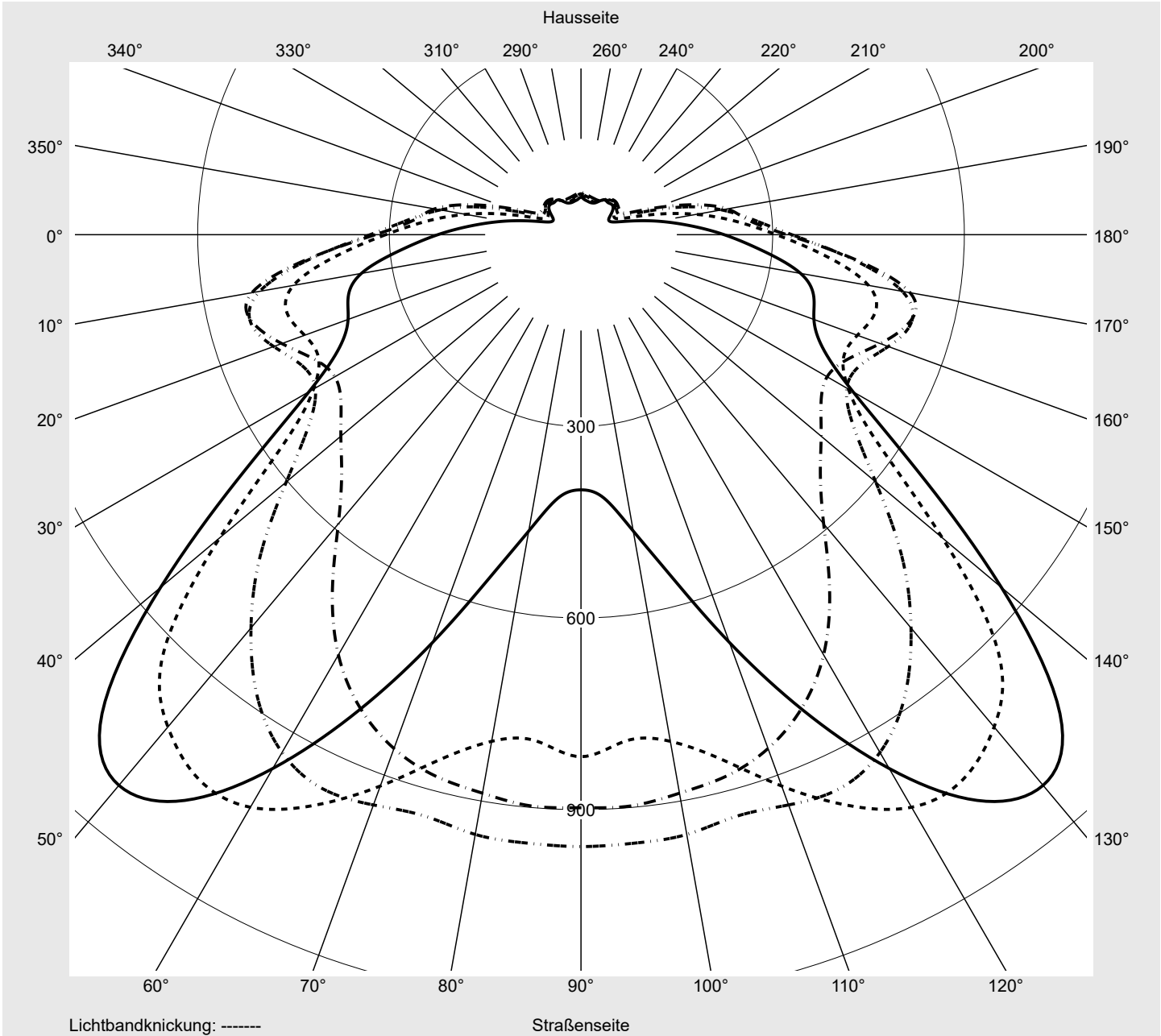
Messbedingungen

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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Familie Floodlight FL21 midi	Bestell-Nr.: 5XA7781F2E3A EAN: 4058352852934	LP-Nummer 59252_196
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

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	34530	270.2	286.6	278.4
95	241	252	32763	251.6	266.7	259.2
90	229	250	31131	235.3	249.2	242.2
85	216	248	29364	218.2	231.1	224.6
80	203	246	27597	201.9	213.7	207.8
75	190	243	25830	186.3	197.0	191.6
70	178	241	24198	172.3	182.2	177.2
65	165	238	22431	157.7	166.7	162.2
60	152	235	20664	143.6	151.7	147.6
55	140	232	19032	130.9	138.3	134.6
50	127	229	17265	117.4	124.1	120.8
45	114	225	15498	104.2	110.3	107.2
40	102	221	13866	92.4	97.6	95.0
35	89	216	12099	80.0	84.4	82.2
30	76	210	10332	67.9	71.6	69.8
25	63	203	8565	56.2	59.2	57.7
20	51	195	6933	45.8	48.1	47.0
15	38	184	5166	34.7	36.5	35.6
12	31	177	4214	28.8	30.3	29.6