

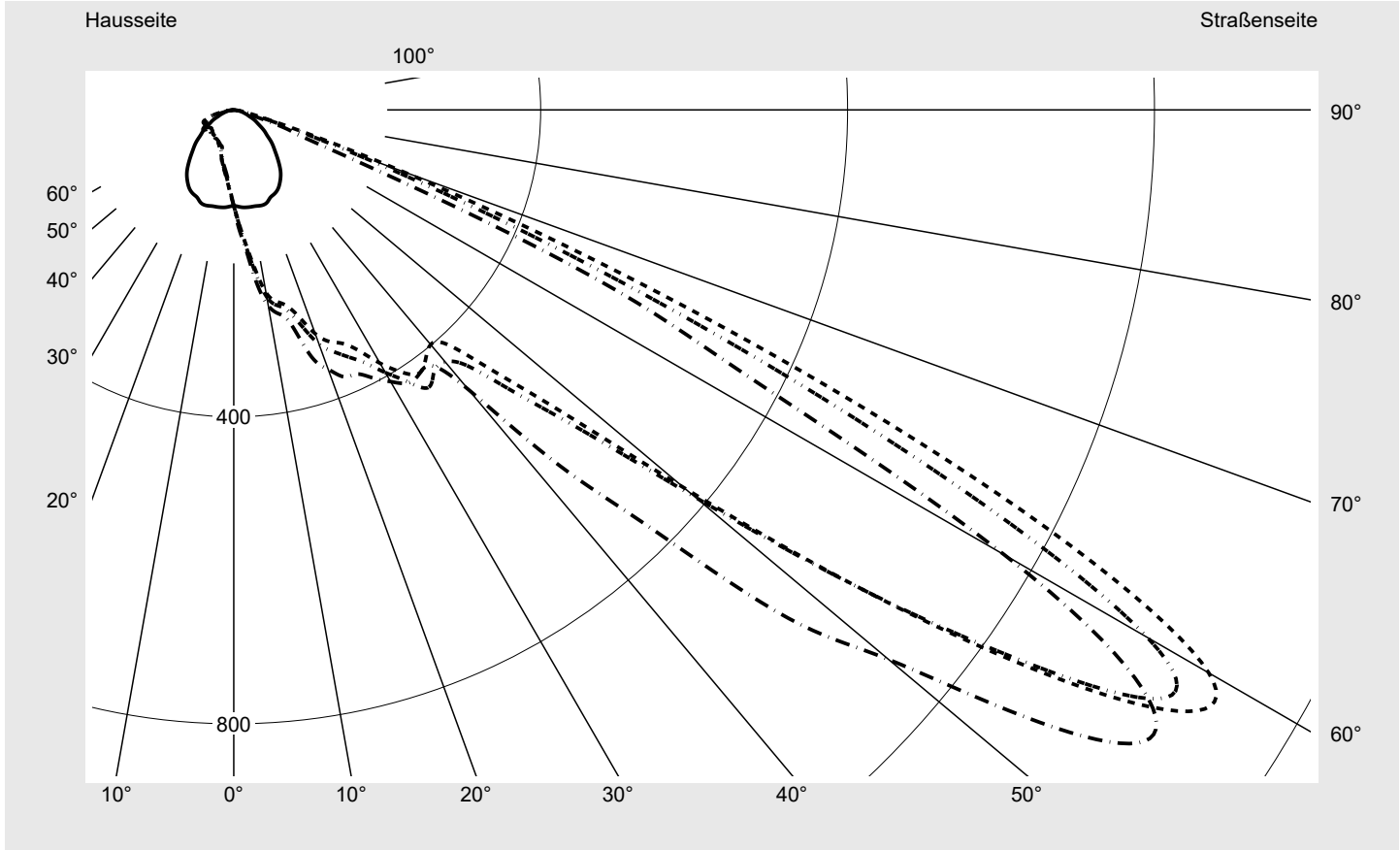
## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Floodlight FL21 mini</b>	<b>Bestell-Nr.: 5XA7771D4F2A</b> <b>EAN: 4058352653760</b>	<b>LP-Nummer</b> <b>59367_67</b>
	<b>Ausführung</b> Designbügel <b>Optik</b> asymmetrisch strahlend PL33T <b>Abdeckung</b> Einscheibensicherheitsglas (ESG) <b>Bestückung</b> LED 4000 K   CRI ≥ 70 <b>Betriebsgerät</b> EVG SITECO iQ <b>Bemessungswerte</b> Nettolichtstrom = 18390 lm Systemleistung = 143.0 W Lichtausbeute = 128.6 lm/W	<b>Seriendokumentation</b> <b>21.12.2022</b>





**Lichtstärke in cd/klm**
C180-0
C240-60
C245-65
C270-90
**Imax: 1467 cd/klm**



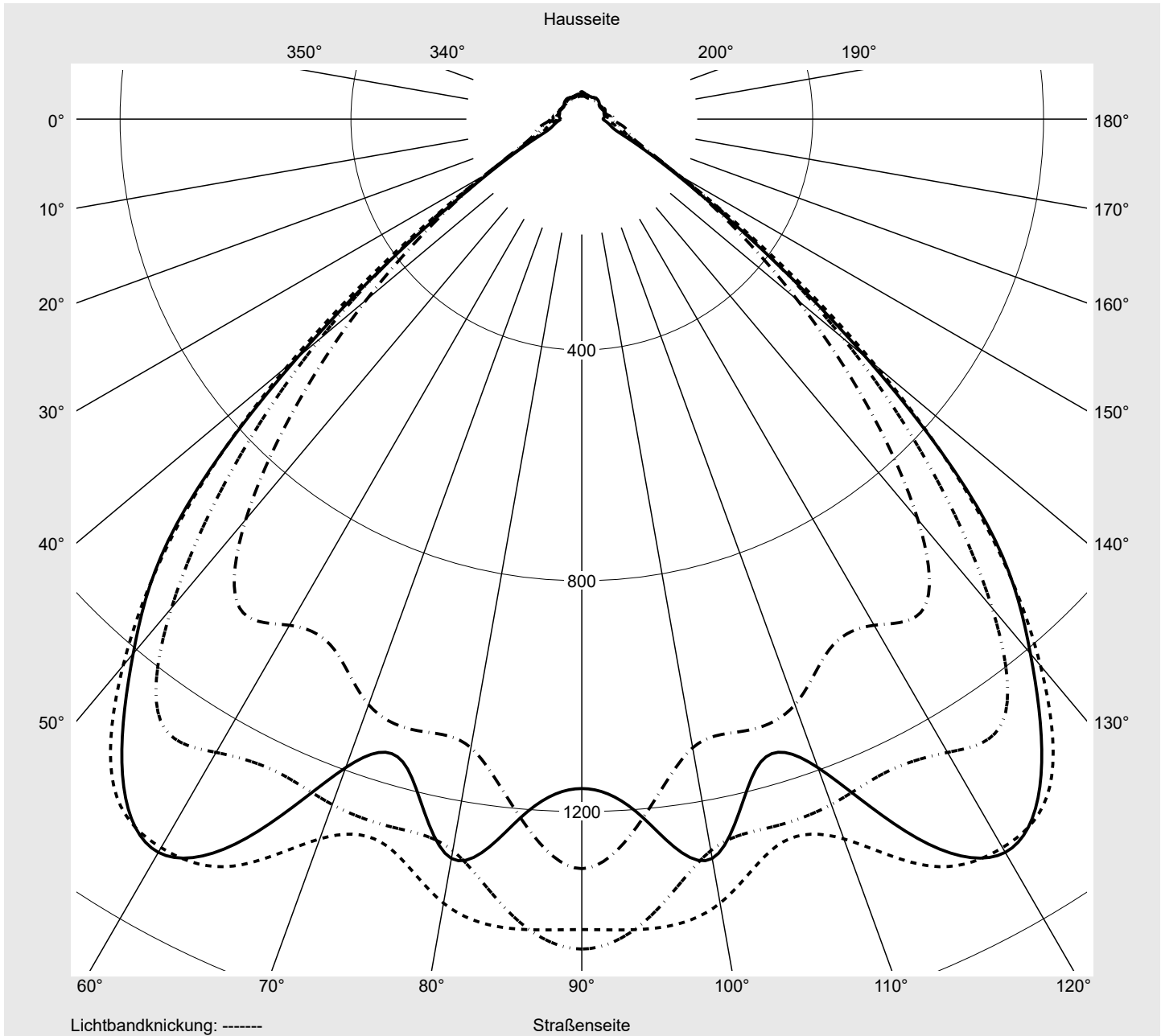
Leuchtenbetriebswirkungsgrade	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Messbedingungen	
DIN EN 13032 und DIN 5032	

Lichtstärkeklasse nach EN13201-2	
Klasse:	G6
Imax 70°	277.8
Imax 80°	14.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

### Lichttechnischer Prüfbefund

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**Kegelmantelkurven in cd/klm**    **KMK 60°**    **KMK 57.5°**    **KMK 55°**    **KMK 52.5°**    **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> Floodlight FL21 mini	<b>Bestell-Nr.: 5XA7771D4F2A</b> <b>EAN: 4058352653760</b>	<b>LP-Nummer</b> <b>59367_67</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
<b>siteco</b>		

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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2,5°	126.0	127.9	130.1	132.1	134.1	136.1	137.9	139.7	141.4	143.0	144.4	145.7	146.8
5,0°	127.4	131.7	136.0	140.4	144.8	149.1	153.1	157.1	160.7	164.4	168.0	171.1	174.3
7,5°	128.0	134.1	140.1	146.3	152.5	159.1	165.8	172.9	179.9	187.1	194.2	201.2	207.6
10,0°	128.3	135.8	143.6	152.1	161.4	171.8	182.2	193.1	204.0	215.3	225.7	234.5	241.7
12,5°	128.5	137.9	148.6	159.9	172.1	184.7	196.8	209.7	221.9	232.6	241.8	249.2	255.7
15,0°	129.3	140.4	152.8	165.7	178.4	191.1	204.7	218.1	229.6	239.3	247.6	255.9	264.0
17,5°	129.6	141.7	154.8	168.3	181.5	196.0	210.7	224.7	236.5	246.6	257.9	270.3	282.9
20,0°	127.9	141.3	154.8	168.8	183.7	200.6	218.1	234.3	247.7	260.6	277.3	294.2	310.4
22,5°	123.9	138.6	153.7	168.5	185.5	205.4	226.0	242.9	256.9	273.0	294.9	313.1	326.9
25,0°	122.1	134.7	150.3	167.5	186.2	206.8	229.2	247.0	259.9	278.5	301.2	319.1	335.9
27,5°	120.1	131.0	144.2	164.5	184.3	205.2	227.9	248.2	263.1	284.0	309.2	333.6	354.0
30,0°	116.8	126.8	138.2	159.8	181.0	201.7	227.1	254.8	276.1	301.4	331.2	361.6	381.1
32,5°	111.9	122.6	132.7	154.8	177.0	199.1	229.2	262.8	290.9	318.8	353.4	386.1	404.7
35,0°	106.5	117.5	127.8	149.1	171.1	196.3	231.1	266.8	298.5	327.4	365.0	397.2	419.7
37,5°	100.0	109.6	122.0	141.5	164.5	191.8	231.8	265.0	294.0	323.6	358.1	388.6	410.5
40,0°	92.0	99.5	113.7	132.0	155.8	187.3	230.3	261.2	286.1	316.8	354.9	378.6	399.2
42,5°	83.8	90.5	105.1	122.6	145.8	182.4	231.4	262.2	290.4	333.3	375.7	396.6	416.4
45,0°	76.1	82.7	98.5	116.9	139.3	179.2	232.4	267.7	314.3	379.3	438.6	470.3	485.1
47,5°	69.6	76.1	92.0	108.2	127.7	164.2	218.9	269.7	343.7	433.4	529.7	582.5	588.3
50,0°	62.8	66.1	79.0	91.5	104.4	135.5	193.9	273.2	390.2	530.5	686.4	778.0	766.7
52,5°	54.9	60.6	73.3	82.7	93.1	123.2	190.5	310.9	487.2	696.5	905.7	1034.0	1012.9
55,0°	49.5	54.9	67.0	74.4	85.9	117.3	194.4	353.9	591.4	853.5	1106.0	1272.6	1267.3
57,5°	43.2	47.6	57.7	64.6	77.2	111.2	194.4	371.2	665.6	982.8	1236.4	1413.2	1457.8
60,0°	37.0	41.4	47.5	54.3	69.4	108.2	182.7	341.5	643.7	992.8	1209.2	1387.4	1467.3
62,5°	32.5	35.5	39.7	46.4	59.9	95.3	152.5	268.8	504.3	807.0	995.2	1183.6	1229.3
65,0°	27.8	30.4	34.1	40.3	49.2	70.3	109.4	182.8	335.2	551.3	733.1	891.2	858.8
67,5°	21.9	23.1	27.5	33.2	40.6	51.3	71.7	110.4	192.7	322.0	465.3	546.3	495.6
70,0°	18.7	18.6	20.7	27.7	34.9	41.4	52.4	67.9	101.2	159.2	236.5	277.8	230.1
72,5°	15.2	15.6	16.6	21.8	27.3	31.8	36.7	42.5	53.1	70.9	90.4	103.5	89.8
75,0°	12.5	12.9	13.3	16.0	19.3	21.6	24.1	25.0	28.7	32.9	37.6	42.2	37.5
77,5°	9.8	10.5	10.7	12.0	13.5	14.3	14.9	15.1	16.5	18.1	20.2	21.8	20.5
80,0°	8.0	7.6	7.9	9.3	8.8	8.9	8.7	8.9	9.8	10.1	11.6	11.9	11.3
82,5°	6.5	5.4	5.0	5.9	5.5	5.1	4.7	4.9	5.1	5.4	5.9	6.0	5.6
85,0°	3.4	2.7	2.3	2.3	2.2	2.1	2.1	2.1	2.0	2.2	2.4	2.4	2.4
87,5°	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
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	0.0

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
<b>siteco</b>		

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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2,5°	147.8	148.4	149.1	149.6	150.1	154.8	124.2	122.3	120.5	118.7	117.1	115.5	114.0
5,0°	177.0	179.3	181.1	182.6	183.6	182.6	123.4	119.5	115.8	112.5	109.3	106.5	103.8
7,5°	213.0	217.2	220.6	223.3	225.4	227.0	122.3	116.9	111.7	107.0	102.7	98.9	95.4
10,0°	247.4	251.8	255.1	257.4	258.9	259.2	121.3	114.5	107.9	102.1	96.7	92.0	88.2
12,5°	260.9	264.6	267.3	269.2	270.7	272.3	119.9	111.7	104.1	97.3	91.3	86.4	82.3
15,0°	270.6	276.4	281.6	286.3	289.7	289.5	118.9	109.0	100.6	92.9	85.9	79.7	75.0
17,5°	295.4	307.1	316.9	324.7	330.4	337.6	117.8	105.6	94.7	86.8	80.0	74.2	69.7
20,0°	324.9	335.8	344.5	351.4	357.6	359.7	113.4	101.0	90.6	82.3	74.6	69.3	65.7
22,5°	341.3	354.9	363.5	369.0	373.3	376.6	110.4	97.3	85.9	76.7	70.1	65.1	60.6
25,0°	355.5	373.0	378.7	378.9	379.2	379.8	107.0	92.6	81.7	73.0	66.5	60.4	55.6
27,5°	372.0	389.5	398.2	397.8	393.7	394.0	102.1	87.2	77.5	69.6	62.5	56.2	53.3
30,0°	395.3	409.5	416.1	413.2	409.9	408.8	97.0	82.9	73.3	66.1	58.0	54.0	51.3
32,5°	419.4	428.6	427.7	421.3	419.0	422.0	92.4	78.8	69.3	61.3	55.6	52.3	49.9
35,0°	441.8	438.1	432.5	424.5	420.4	420.8	87.2	73.9	65.4	57.5	53.5	50.9	48.6
37,5°	429.1	438.1	427.8	420.9	418.3	420.1	82.3	69.3	59.4	54.0	51.4	49.0	46.3
40,0°	428.8	447.2	448.5	451.8	469.8	475.6	76.9	63.9	54.8	51.1	48.9	47.4	45.1
42,5°	453.4	493.2	516.7	541.5	583.5	629.2	72.0	58.2	51.2	48.6	47.1	45.7	43.8
45,0°	524.4	587.2	632.1	679.0	742.6	774.8	67.9	54.0	48.3	46.5	45.3	43.7	42.7
47,5°	622.0	701.2	757.2	800.2	893.6	980.7	63.6	50.5	45.8	44.4	43.8	42.2	41.3
50,0°	785.4	866.2	904.9	931.3	1038.8	1114.2	58.9	47.5	42.8	42.6	42.1	40.8	39.6
52,5°	1014.5	1079.9	1097.3	1106.3	1215.8	1299.0	53.5	45.6	41.6	41.8	41.0	39.5	38.7
55,0°	1248.6	1264.1	1270.2	1287.4	1385.0	1438.3	49.9	44.6	42.2	43.1	43.4	40.6	39.8
57,5°	1428.3	1327.5	1304.2	1379.7	1408.0	1404.5	44.4	42.4	41.6	42.8	41.7	40.6	39.1
60,0°	1375.0	1196.0	1166.0	1301.1	1215.0	1160.1	39.1	39.5	39.7	40.3	39.1	38.2	37.8
62,5°	1067.0	911.0	916.3	978.6	898.4	768.5	33.5	36.1	37.1	36.9	36.7	36.1	36.5
65,0°	696.2	580.9	594.1	585.1	555.5	521.5	29.7	32.7	34.0	33.9	33.3	34.1	35.8
67,5°	381.0	323.8	299.1	240.8	204.0	163.4	26.0	28.0	29.8	29.4	30.4	31.7	34.1
70,0°	171.4	154.0	129.5	82.3	72.3	77.2	20.7	22.1	22.8	24.0	27.6	28.8	30.9
72,5°	70.6	64.7	51.8	39.4	35.7	32.9	16.5	17.7	19.0	20.1	23.9	25.1	26.2
75,0°	33.1	31.3	26.2	22.6	20.4	21.1	13.1	14.3	15.4	16.8	19.8	20.9	21.0
77,5°	19.0	17.7	15.5	14.0	13.0	12.3	10.1	11.3	12.1	13.1	14.8	16.3	15.9
80,0°	10.1	9.6	9.0	8.6	8.2	8.3	7.8	8.3	8.7	9.5	10.8	11.9	12.0
82,5°	5.0	4.9	4.8	4.7	4.7	4.5	6.0	6.4	6.6	6.7	7.6	8.1	8.6
85,0°	2.3	2.3	2.3	2.3	2.3	2.4	3.1	2.9	3.4	3.2	3.2	3.4	3.8
87,5°	1.1	1.1	1.2	1.2	1.2	1.2	0.7	0.8	0.9	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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	0.2	0.2
2,5°	112.6	111.3	110.1	109.1	108.2	107.4	106.8	106.4	106.0	105.7	105.6	1.5	1.7
5,0°	101.4	99.2	97.3	95.6	94.2	93.0	92.1	91.4	90.8	90.3	90.2	3.2	4.9
7,5°	92.4	89.9	87.8	86.0	84.4	83.2	82.2	81.5	81.0	80.5	80.4	5.0	9.9
10,0°	85.0	82.4	80.3	78.5	76.9	75.6	74.7	74.1	73.8	73.6	73.6	7.0	16.9
12,5°	79.0	76.3	73.9	71.9	70.4	69.4	68.7	68.4	68.3	68.0	67.8	9.0	25.9
15,0°	71.6	68.7	65.9	63.8	62.4	61.2	60.0	59.1	58.7	58.8	59.0	10.8	36.7
17,5°	66.4	63.4	60.8	57.3	55.6	54.9	54.1	53.1	51.8	50.8	50.7	13.0	49.7
20,0°	62.3	57.5	55.0	53.8	53.1	51.9	51.2	50.0	49.5	49.2	49.1	15.3	65.0
22,5°	56.0	53.7	52.3	51.1	50.0	49.3	48.0	47.5	47.4	47.4	47.3	17.5	82.4
25,0°	53.4	51.5	49.8	48.5	47.7	46.2	45.6	45.4	45.5	45.7	46.0	19.4	101.8
27,5°	51.2	49.3	47.3	46.2	44.4	44.0	44.0	44.0	44.4	44.9	45.0	21.5	123.3
30,0°	49.7	47.1	45.7	44.1	43.2	42.8	42.8	43.0	43.3	43.8	44.0	23.8	147.1
32,5°	47.6	46.2	45.0	42.8	42.0	42.0	42.1	42.4	43.0	43.3	44.0	26.1	173.3
35,0°	46.1	45.1	43.5	42.3	41.9	41.8	41.7	42.2	43.0	43.7	43.7	28.1	201.4
37,5°	45.5	44.5	42.8	42.0	41.9	41.9	41.8	41.9	41.9	42.3	42.4	29.2	230.6
40,0°	44.5	43.5	42.3	41.7	41.6	41.4	41.2	41.1	41.4	41.8	41.9	30.9	261.5
42,5°	43.3	42.3	41.1	40.8	40.5	40.4	40.4	40.4	40.6	41.2	41.0	34.7	296.2
45,0°	42.1	41.3	40.0	39.6	39.3	39.3	39.5	39.6	39.9	40.9	40.7	40.9	337.1
47,5°	40.0	39.7	39.6	38.7	38.5	38.3	38.7	38.8	39.4	39.2	42.1	48.3	385.5
50,0°	38.8	38.0	38.6	39.1	38.0	37.8	38.1	37.9	38.8	39.7	39.2	58.1	443.6
52,5°	38.6	38.1	38.5	38.6	38.2	38.2	38.0	37.9	38.9	39.7	39.5	72.5	516.0
55,0°	39.1	39.4	40.2	41.2	40.6	40.0	39.6	40.1	41.6	43.5	44.9	87.3	603.3
57,5°	39.8	41.9	43.1	44.0	43.0	41.9	41.9	42.7	44.3	45.7	47.6	96.4	699.8
60,0°	39.6	41.9	43.3	43.8	42.8	41.8	41.8	42.6	43.6	44.1	44.2	93.2	793.0
62,5°	39.2	42.0	43.8	43.5	42.2	41.5	42.2	42.5	41.3	40.0	39.5	76.3	869.3
65,0°	39.0	42.0	44.0	43.1	42.1	42.4	43.6	42.5	40.5	38.5	39.4	54.2	923.5
67,5°	37.5	40.5	42.2	42.2	42.1	42.9	43.3	41.5	39.3	38.8	38.6	32.2	955.7
70,0°	34.0	37.3	36.0	37.9	39.5	41.1	41.7	39.8	38.6	38.2	37.3	18.0	973.7
72,5°	26.8	27.6	29.6	32.0	34.7	36.6	37.2	35.6	34.1	33.6	31.3	10.1	983.7
75,0°	21.5	22.3	24.2	26.7	29.5	31.7	31.1	27.1	25.2	23.4	22.2	6.3	990.1
77,5°	16.0	15.8	18.0	19.1	22.8	23.5	22.6	20.7	17.5	14.1	12.6	4.3	994.4
80,0°	10.3	10.4	11.8	12.5	13.4	14.1	14.0	12.8	10.7	10.6	10.0	2.8	997.1
82,5°	7.4	7.4	8.2	8.8	8.4	9.5	9.4	8.5	7.8	8.2	8.1	1.8	998.9
85,0°	3.6	3.8	4.0	4.4	4.0	4.0	4.1	4.0	3.6	3.7	3.8	0.8	999.7
87,5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	1.9	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

## Lichttechnischer Prüfbefund

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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	18390	143.0	151.5	147.2
95	241	252	17449	132.7	140.6	136.6
90	229	250	16580	123.8	131.1	127.4
85	216	248	15639	114.6	121.2	117.9
80	203	246	14698	105.7	111.9	108.8
75	190	243	13756	97.3	102.8	100.0
70	178	241	12887	89.9	94.9	92.4
65	165	238	11946	82.0	86.7	84.4
60	152	235	11005	74.5	78.7	76.6
55	140	232	10136	67.8	71.5	69.6
50	127	229	9195	60.8	64.1	62.4
45	114	225	8254	53.9	56.9	55.4
40	102	221	7385	47.7	50.4	49.0
35	89	216	6444	41.2	43.5	42.4
30	76	210	5503	34.9	36.8	35.8
25	63	203	4561	28.9	30.4	29.6
20	51	195	3692	23.5	24.6	24.0
15	38	184	2751	17.9	18.7	18.3
11	27	172	1955	13.1	13.8	13.4