

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 micro

Bestell-Nr.: 5XA7761A4F3A
EAN: 4058352669464

LP-Nummer
59367_95



Ausführung Mastbügel
Optik asymmetrisch strahlend PL33T
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 3050 lm
Systemleistung = 23.1 W
Lichtausbeute = 132 lm/W

Seriendokumentation
21.12.2022

siteco

Lichtstärke in cd/klm

C180-0

C240-60

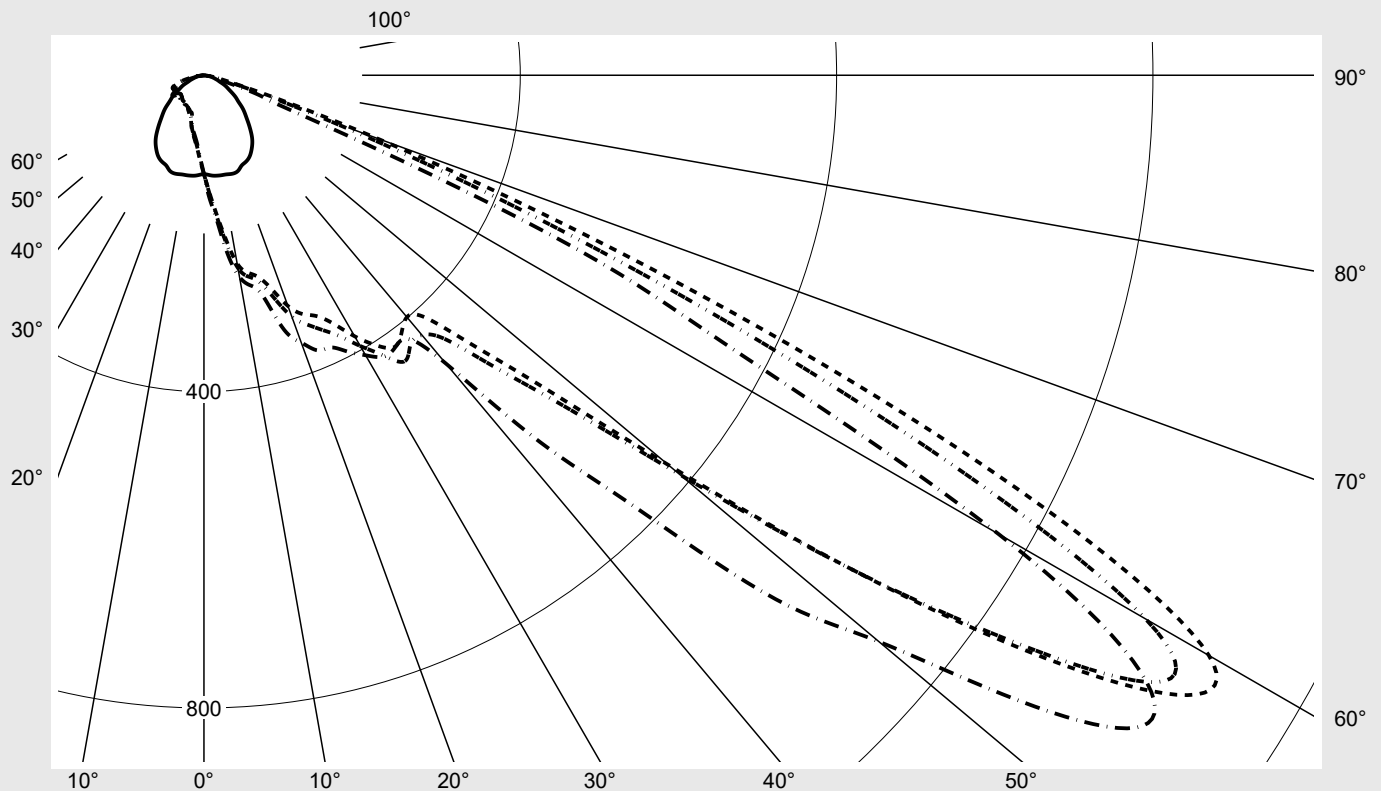
C245-65

C270-90

Imax: 1467 cd/klm

Hausseite

Straßenseite



Leuchtenbetriebswirkungsgrade

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

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

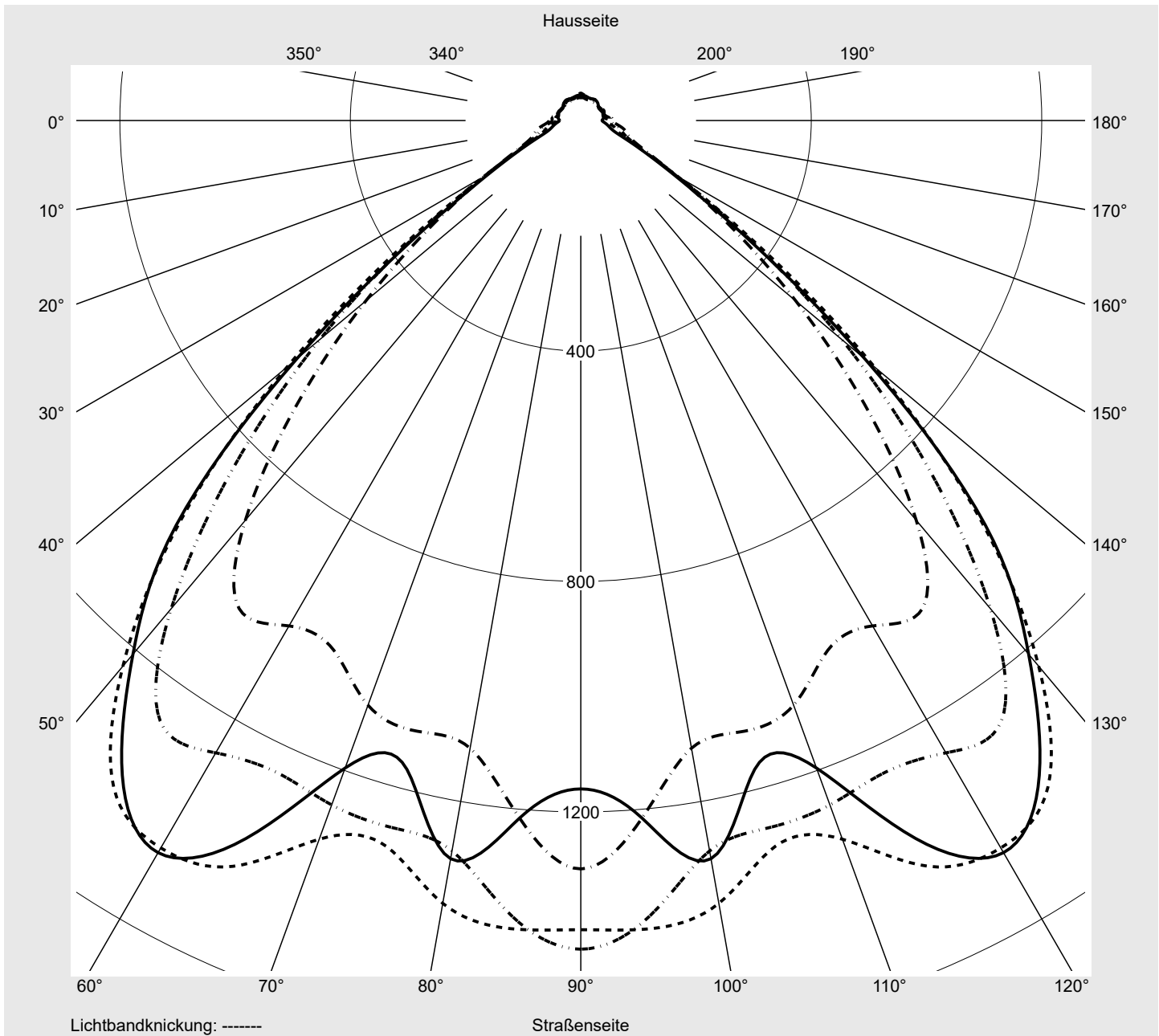
Messbedingungen

DIN EN 13032 und DIN 5032

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

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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	3050	23.1	23.8	23.5
95	241	252	2894	21.7	22.4	22.0
90	229	250	2750	20.4	21.1	20.8
85	216	248	2594	19.1	19.7	19.4
80	203	246	2438	17.8	18.4	18.1
75	190	243	2281	16.6	17.1	16.8
70	178	241	2137	15.5	15.9	15.7
65	165	238	1981	14.3	14.7	14.5
60	152	235	1825	13.1	13.5	13.3
55	140	232	1681	12.1	12.4	12.2
50	127	229	1525	11.0	11.3	11.2
45	114	225	1369	9.9	10.2	10.0
40	102	221	1225	8.9	9.2	9.0
35	89	216	1069	7.9	8.1	8.0
30	76	210	913	7.0	7.1	7.0
25	63	203	756	5.9	6.1	6.0
20	51	195	612	5.1	5.2	5.2
15	39	185	468	4.2	4.3	4.2