

## Lichttechnischer Prüfbefund

Familie  
DL® 50 mini LED

Bestell-Nr.: 5XA248V41F08ME  
EAN: 4058352803950

LP-Nummer  
59397\_30



<b>Ausführung</b>	Seil-Montage
<b>Optik</b>	direkt, symmetrisch breit strahlend S080001
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 4000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 15660 lm Systemleistung = 101.7 W Lichtausbeute = 154 lm/W

Seriendokumentation  
03.04.2023

siteco

Lichtstärke in cd/klm

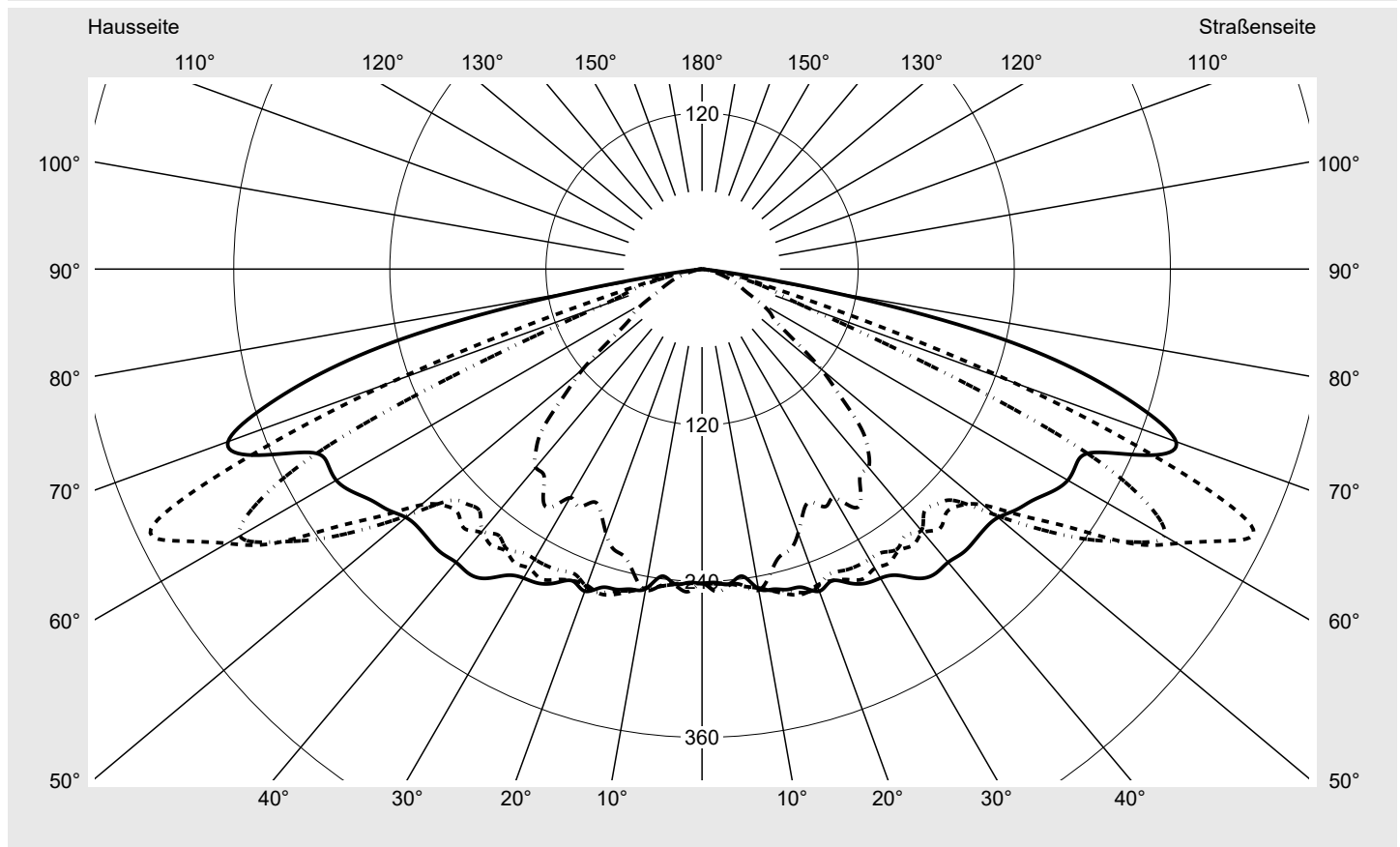
C180-0

C205-25

C210-30

C270-90

Imax: 466 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G4
Imax 70°	442.5
Imax 80°	96.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

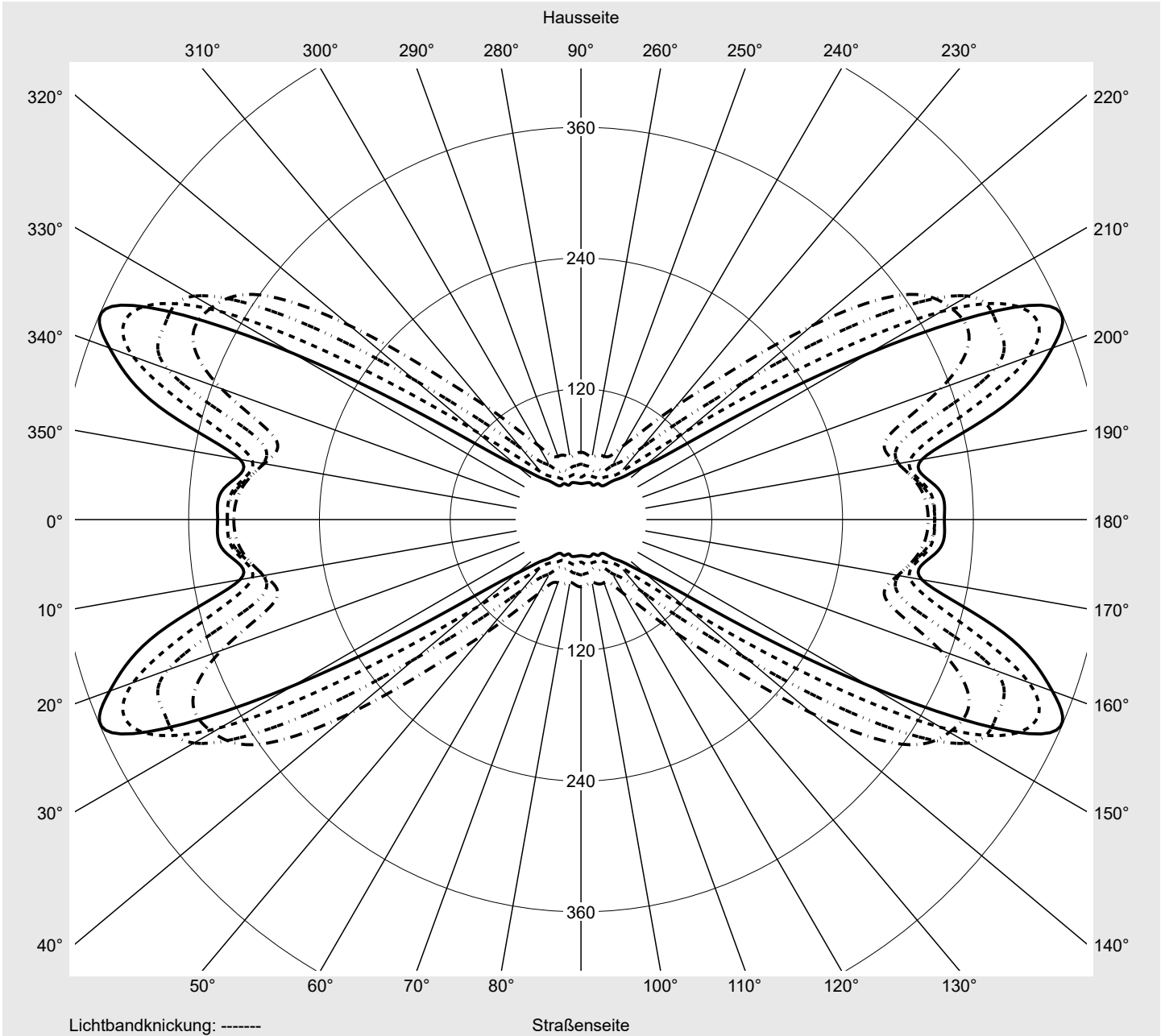
Messbedingungen

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> DL® 50 mini LED	<b>Bestell-Nr.: 5XA248V41F08ME</b> <b>EAN: 4058352803950</b>	<b>LP-Nummer</b> <b>59397_30</b>
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**Kegelmantelkurven in cd/klm**    **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**    **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> <b>DL® 50 mini LED</b>	<b>Bestell-Nr.: 5XA248V41F08ME</b> <b>EAN: 4058352803950</b>	<b>LP-Nummer</b> <b>59397_30</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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	241.2	241.1	240.8	242.5	241.9	241.7	242.2	243.7	244.6	244.6	245.9	244.8	246.3
5,0°	242.8	243.5	243.5	243.6	244.4	242.9	243.3	243.7	242.7	241.3	240.8	239.4	242.2
7,5°	238.1	241.5	243.8	244.8	248.4	246.0	245.9	244.9	245.5	244.8	241.7	245.5	246.9
10,0°	249.5	248.4	250.1	247.4	250.3	248.8	249.1	246.5	245.8	247.1	246.4	244.6	243.4
12,5°	252.1	255.3	255.2	253.1	253.2	253.6	253.2	254.8	257.0	257.2	252.3	246.4	244.3
15,0°	254.9	252.2	252.9	256.6	257.3	258.8	256.3	256.5	253.3	249.0	245.8	242.3	240.2
17,5°	256.6	254.4	257.8	262.8	262.4	261.5	260.8	252.4	248.2	245.7	244.3	234.9	234.4
20,0°	263.5	259.6	259.8	262.9	258.6	258.6	259.9	253.4	249.0	242.8	235.3	229.1	228.7
22,5°	259.6	265.4	266.3	270.8	266.6	259.3	254.2	252.9	248.2	240.5	232.0	228.8	222.0
25,0°	266.1	265.6	266.0	273.9	270.4	263.3	255.8	254.2	247.3	235.1	228.1	218.4	216.8
27,5°	272.3	270.3	274.3	276.4	274.1	268.4	257.4	249.0	240.3	236.6	223.0	218.7	218.2
30,0°	274.3	276.3	274.7	282.2	272.9	265.7	257.4	249.7	237.6	223.0	218.6	222.0	224.8
32,5°	279.1	285.8	282.4	280.8	281.9	267.8	258.2	247.3	233.5	226.8	228.8	232.6	233.7
35,0°	290.3	287.4	285.4	283.4	277.2	264.1	262.2	245.0	233.4	234.6	241.4	244.5	240.2
37,5°	294.9	294.0	287.3	285.9	280.9	267.1	257.6	245.8	242.3	249.7	256.4	254.6	247.1
40,0°	294.3	293.1	290.2	282.7	276.0	264.4	262.3	241.4	249.3	272.3	267.4	266.7	256.9
42,5°	296.2	293.5	290.6	284.0	276.9	270.4	252.9	247.0	267.5	290.3	283.1	270.2	258.2
45,0°	295.8	290.3	294.5	286.0	272.9	265.3	255.5	267.9	291.8	305.0	291.0	268.1	249.1
47,5°	295.0	292.6	292.3	282.5	272.5	269.0	263.4	291.0	314.5	315.2	288.5	252.7	225.7
50,0°	297.1	294.1	292.8	281.3	275.1	282.1	293.8	319.9	330.3	310.0	272.2	233.8	196.6
52,5°	304.1	305.1	291.7	276.2	281.1	312.1	328.9	347.0	330.8	289.8	246.6	198.1	157.6
55,0°	310.1	307.1	295.6	282.4	308.8	346.7	362.2	357.9	313.0	259.8	196.1	148.4	119.6
57,5°	318.6	313.3	295.2	291.2	351.0	393.0	390.4	359.4	276.7	189.0	135.9	100.1	78.7
60,0°	324.7	317.2	296.1	316.7	404.0	421.7	410.2	318.5	199.2	125.8	85.1	65.2	57.1
62,5°	324.4	319.8	306.1	358.3	437.3	452.6	381.6	231.6	126.1	79.6	56.8	48.4	45.3
65,0°	333.4	328.8	317.7	401.2	460.3	465.6	304.9	133.7	76.8	55.9	46.9	38.8	36.2
67,5°	373.8	358.7	357.8	443.3	463.4	378.1	169.4	74.3	53.7	46.6	40.0	32.3	30.7
70,0°	387.7	355.9	381.1	442.5	410.6	254.5	84.1	56.6	44.6	38.2	32.4	29.1	27.5
72,5°	352.6	313.3	374.2	387.2	312.4	127.0	60.6	45.2	34.7	31.0	27.0	22.4	21.2
75,0°	295.8	254.0	298.3	269.9	189.5	58.5	44.3	33.1	23.8	23.3	20.4	17.3	15.0
77,5°	213.1	166.1	166.9	135.4	86.6	37.0	26.6	19.3	16.2	16.9	14.8	13.2	12.8
80,0°	96.9	65.3	52.3	44.1	34.0	21.5	14.3	10.7	10.7	10.0	9.3	8.0	7.9
82,5°	18.6	14.2	11.4	7.8	7.3	5.9	4.4	4.3	4.9	5.0	4.9	4.0	4.1
85,0°	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.4	1.7	1.5	1.4	1.1
87,5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
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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<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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	245.8	247.0	246.8	247.4	246.5	248.2	241.1	240.8	242.5	241.9	241.7	242.2	243.7
5,0°	244.4	244.1	243.7	243.4	243.7	243.8	243.5	243.5	243.6	244.4	242.9	243.3	243.7
7,5°	246.6	247.7	246.9	245.7	247.0	245.5	241.5	243.8	244.8	248.4	246.0	245.9	244.9
10,0°	245.6	248.3	247.7	247.9	246.2	250.6	248.4	250.1	247.4	250.3	248.8	249.1	246.5
12,5°	243.9	244.4	242.6	238.4	240.2	240.7	255.3	255.2	253.1	253.2	253.6	253.2	254.8
15,0°	238.2	232.0	230.8	232.5	229.9	229.1	252.2	252.9	256.6	257.3	258.8	256.3	256.5
17,5°	231.3	225.1	223.8	224.2	226.4	225.9	254.4	257.8	262.8	262.4	261.5	260.8	252.4
20,0°	227.0	220.6	219.2	215.6	213.7	216.0	259.6	259.8	262.9	258.6	258.6	259.9	253.4
22,5°	218.8	212.2	207.8	207.9	206.6	202.9	265.4	266.3	270.8	266.6	259.3	254.2	252.9
25,0°	212.1	207.5	204.6	199.8	202.4	197.5	265.6	266.0	273.9	270.4	263.3	255.8	254.2
27,5°	211.2	212.3	210.7	211.8	207.1	205.8	270.3	274.3	276.4	274.1	268.4	257.4	249.0
30,0°	219.8	217.5	214.8	212.9	212.7	202.9	276.3	274.7	282.2	272.9	265.7	257.4	249.7
32,5°	229.5	224.0	219.5	217.8	213.2	217.3	285.8	282.4	280.8	281.9	267.8	258.2	247.3
35,0°	235.7	227.9	220.7	218.2	210.1	212.9	287.4	285.4	283.4	277.2	264.1	262.2	245.0
37,5°	237.8	229.2	218.5	211.9	208.8	199.7	294.0	287.3	285.9	280.9	267.1	257.6	245.8
40,0°	240.5	229.5	218.1	209.6	206.1	198.9	293.1	290.2	282.7	276.0	264.4	262.3	241.4
42,5°	238.5	224.4	210.4	205.3	196.4	189.0	293.5	290.6	284.0	276.9	270.4	252.9	247.0
45,0°	224.0	203.5	188.9	176.3	169.8	172.8	290.3	294.5	286.0	272.9	265.3	255.5	267.9
47,5°	198.1	177.6	164.7	153.5	143.3	143.4	292.6	292.3	282.5	272.5	269.0	263.4	291.0
50,0°	166.6	147.6	134.5	124.1	119.1	119.4	294.1	292.9	281.3	275.1	282.1	293.8	319.9
52,5°	132.7	117.0	103.6	95.9	88.3	87.7	305.1	291.7	276.2	281.1	312.1	328.9	347.0
55,0°	94.7	83.7	76.4	73.6	70.1	68.4	307.1	295.6	282.4	308.8	346.7	362.2	357.9
57,5°	64.8	61.9	61.2	58.4	60.1	61.8	313.3	295.2	291.2	351.0	393.0	390.4	359.4
60,0°	48.7	48.8	46.1	48.8	49.7	50.8	317.2	296.1	316.7	404.0	421.7	410.2	318.5
62,5°	41.2	40.9	40.8	41.7	41.1	39.0	319.8	306.1	358.3	437.3	452.6	381.6	231.6
65,0°	36.4	33.5	34.6	34.4	33.6	33.1	328.8	317.7	401.2	460.3	465.6	304.9	133.7
67,5°	32.2	30.0	28.9	29.5	27.9	27.6	358.7	357.8	443.3	463.4	378.1	169.4	74.3
70,0°	27.5	26.3	24.9	24.6	22.4	23.1	355.9	381.1	442.5	410.6	254.5	84.1	56.6
72,5°	20.6	20.3	19.8	18.7	18.1	17.2	313.3	374.2	387.2	312.4	127.0	60.6	45.2
75,0°	15.2	13.2	12.7	12.5	12.0	12.0	254.0	298.3	269.9	189.5	58.5	44.3	33.1
77,5°	11.0	8.8	7.7	7.4	7.1	7.0	166.1	166.9	135.4	86.6	37.0	26.6	19.3
80,0°	6.9	6.4	5.1	4.3	4.4	4.3	65.3	52.3	44.1	34.0	21.5	14.3	10.7
82,5°	3.5	3.5	2.6	2.3	2.1	2.1	14.2	11.4	7.8	7.3	5.9	4.4	4.3
85,0°	1.3	1.1	0.8	0.8	0.7	0.8	1.1	1.2	1.2	1.1	1.2	1.2	1.3
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	0.4	0.4
2,5°	244.6	244.6	245.9	244.8	246.3	245.8	247.0	246.8	247.4	246.5	248.2	2.9	3.3
5,0°	242.7	241.3	240.8	239.4	242.2	244.4	244.1	243.7	243.4	243.7	243.8	5.8	9.1
7,5°	245.5	244.8	241.7	245.5	246.9	246.6	247.7	246.9	245.7	247.0	245.5	8.8	17.9
10,0°	245.8	247.1	246.4	244.6	243.4	245.6	248.3	247.7	247.9	246.2	250.6	11.8	29.6
12,5°	257.0	257.2	252.3	246.4	244.3	243.9	244.4	242.6	238.4	240.2	240.7	14.8	44.4
15,0°	253.3	249.0	245.8	242.3	240.2	238.2	232.0	230.8	232.5	229.9	229.1	17.4	61.9
17,5°	248.2	245.7	244.3	234.9	234.4	231.3	225.1	223.8	224.2	226.4	225.9	20.1	82.0
20,0°	249.0	242.8	235.3	229.1	228.7	227.0	220.6	219.2	215.6	213.7	216.0	22.6	104.6
22,5°	248.2	240.5	232.0	228.8	222.0	218.8	212.2	207.8	207.9	206.6	202.9	25.0	129.6
25,0°	247.3	235.1	228.1	218.4	216.8	212.1	207.5	204.6	199.8	202.4	197.5	27.4	157.0
27,5°	240.3	236.6	223.0	218.7	218.2	211.2	212.3	210.7	211.8	207.1	205.8	30.2	187.2
30,0°	237.6	223.0	218.6	222.0	224.8	219.8	217.5	214.8	212.9	212.7	202.9	32.9	220.1
32,5°	233.5	226.8	228.8	232.6	233.7	229.5	224.0	219.5	217.8	213.2	217.3	36.1	256.2
35,0°	233.4	234.6	241.4	244.5	240.2	235.7	227.9	220.7	218.2	210.1	212.9	39.0	295.2
37,5°	242.3	249.7	256.4	254.6	247.1	237.8	229.2	218.5	211.9	208.8	199.7	41.9	337.1
40,0°	249.3	272.3	267.4	266.7	256.9	240.5	229.5	218.1	209.6	206.1	198.9	44.8	381.9
42,5°	267.5	290.3	283.1	270.2	258.2	238.5	224.4	210.4	205.3	196.4	189.0	47.4	429.2
45,0°	291.8	305.0	291.0	268.1	249.1	224.0	203.5	188.9	176.3	169.8	172.8	48.8	478.1
47,5°	314.5	315.2	288.5	252.7	225.7	198.1	177.6	164.7	153.5	143.3	143.4	49.6	527.7
50,0°	330.3	310.0	272.2	233.8	196.6	166.6	147.6	134.5	124.1	119.1	119.4	50.0	577.6
52,5°	330.8	289.8	246.6	198.1	157.6	132.7	117.0	103.6	95.9	88.3	87.7	49.5	627.1
55,0°	313.0	259.8	196.1	148.4	119.6	94.7	83.7	76.4	73.6	70.1	68.4	48.5	675.6
57,5°	276.7	189.0	135.9	100.1	78.7	64.8	61.9	61.2	58.4	60.1	61.8	47.1	722.8
60,0°	199.2	125.8	85.1	65.2	57.1	48.7	48.8	46.1	48.8	49.7	50.8	45.5	768.2
62,5°	126.1	79.6	56.8	48.4	45.3	41.2	40.9	40.8	41.7	41.1	39.0	43.6	811.9
65,0°	76.8	55.9	46.9	38.8	36.2	36.4	33.5	34.6	34.4	33.6	33.1	41.7	853.6
67,5°	53.7	46.6	40.0	32.3	30.7	32.2	30.0	28.9	29.5	27.9	27.6	39.4	892.9
70,0°	44.6	38.2	32.4	29.1	27.5	27.5	26.3	24.9	24.6	22.4	23.1	35.6	928.5
72,5°	34.7	31.0	27.0	22.4	21.2	20.6	20.3	19.8	18.7	18.1	17.2	29.6	958.2
75,0°	23.8	23.3	20.4	17.3	15.0	15.2	13.2	12.7	12.5	12.0	12.0	21.6	979.7
77,5°	16.2	16.9	14.8	13.2	12.8	11.0	8.8	7.7	7.4	7.1	7.0	12.8	992.6
80,0°	10.7	10.0	9.3	8.0	7.9	6.9	6.4	5.1	4.3	4.4	4.3	5.5	998.1
82,5°	4.9	5.0	4.9	4.0	4.1	3.5	3.5	2.6	2.3	2.1	2.1	1.5	999.6
85,0°	1.4	1.7	1.5	1.4	1.1	1.3	1.1	0.8	0.8	0.7	0.8	0.3	999.9
87,5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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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<b>Dimmstufen-Tabelle</b>		<b>Umgebungstemperatur: 25°C</b>
<b>siteco</b>		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	15660	101.7	111.4	106.6
95	241	252	14859	94.9	103.9	99.4
90	229	250	14119	89.0	97.4	93.2
85	216	248	13317	82.8	90.6	86.7
80	203	246	12516	76.9	84.0	80.4
75	190	243	11714	71.0	77.6	74.3
70	178	241	10974	65.9	72.0	69.0
65	165	238	10173	60.5	66.0	63.2
60	152	235	9371	55.3	60.2	57.8
55	140	232	8631	50.5	55.1	52.8
50	127	229	7830	45.3	49.5	47.4
45	114	225	7029	40.4	44.0	42.2
40	102	221	6289	36.0	39.1	37.6
35	89	216	5487	31.2	33.9	32.6
30	76	210	4686	26.7	29.0	27.8
25	63	203	3884	22.3	24.1	23.2
20	51	195	3144	18.3	19.8	19.0
15	38	184	2343	14.1	15.2	14.6
14	35	181	2158	13.1	14.1	13.6