

## Lichttechnischer Prüfbefund

**Familie**  
**DL® 50 mini LED**

**Bestell-Nr.: 5XA248V41F08FE**  
**EAN: 4058352803899**

**LP-Nummer**  
**59397\_65**



<b>Ausführung</b>	Seil-Montage
<b>Optik</b>	symmetrisch, breit strahlend (ST0.8s)
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 4000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 2690 lm Systemleistung = 15.7 W Lichtausbeute = 171.3 lm/W

**Seriendokumentation**  
**16.05.2023**

**siteco**

**Lichtstärke in cd/klm**

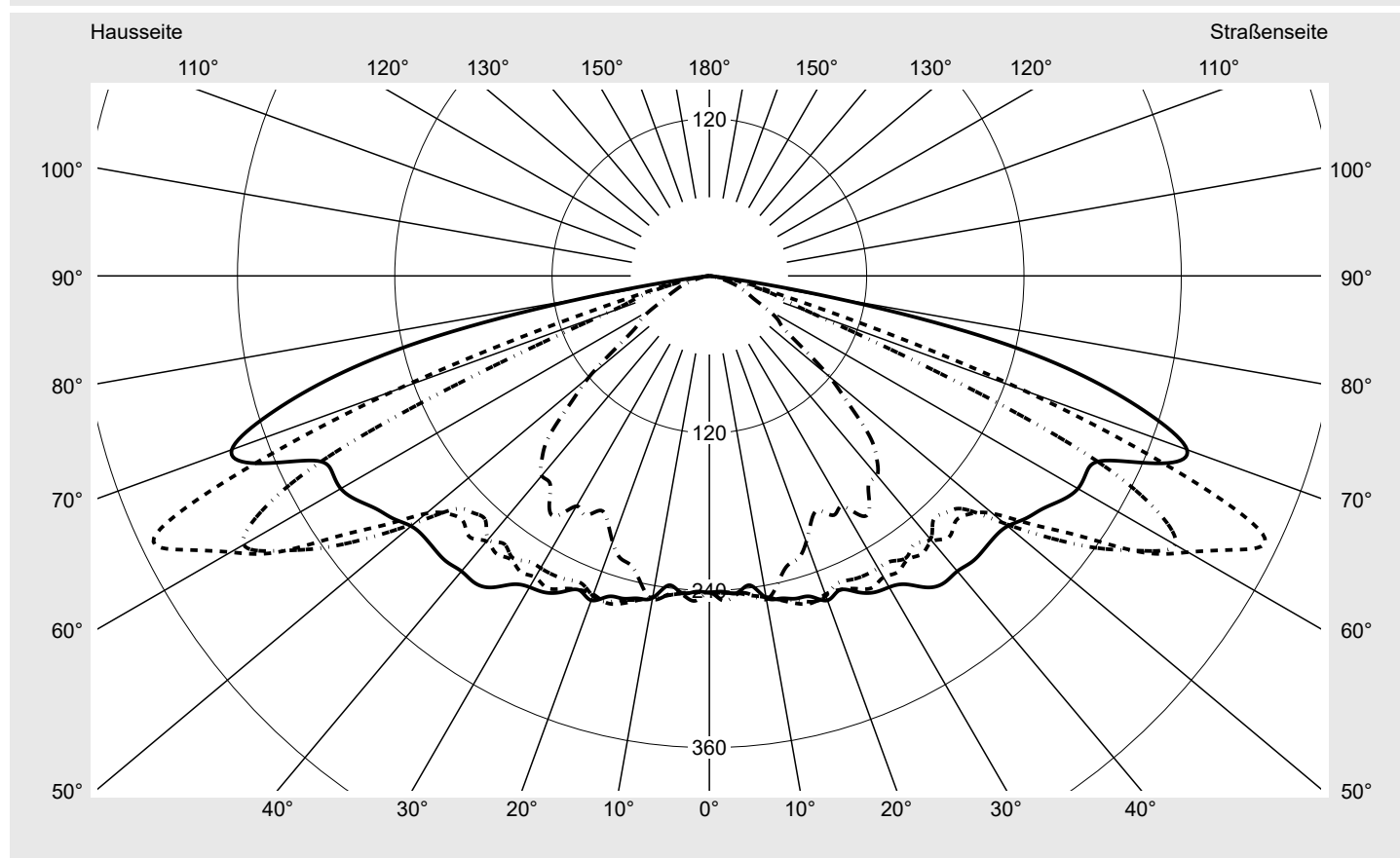
**C180-0**

**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

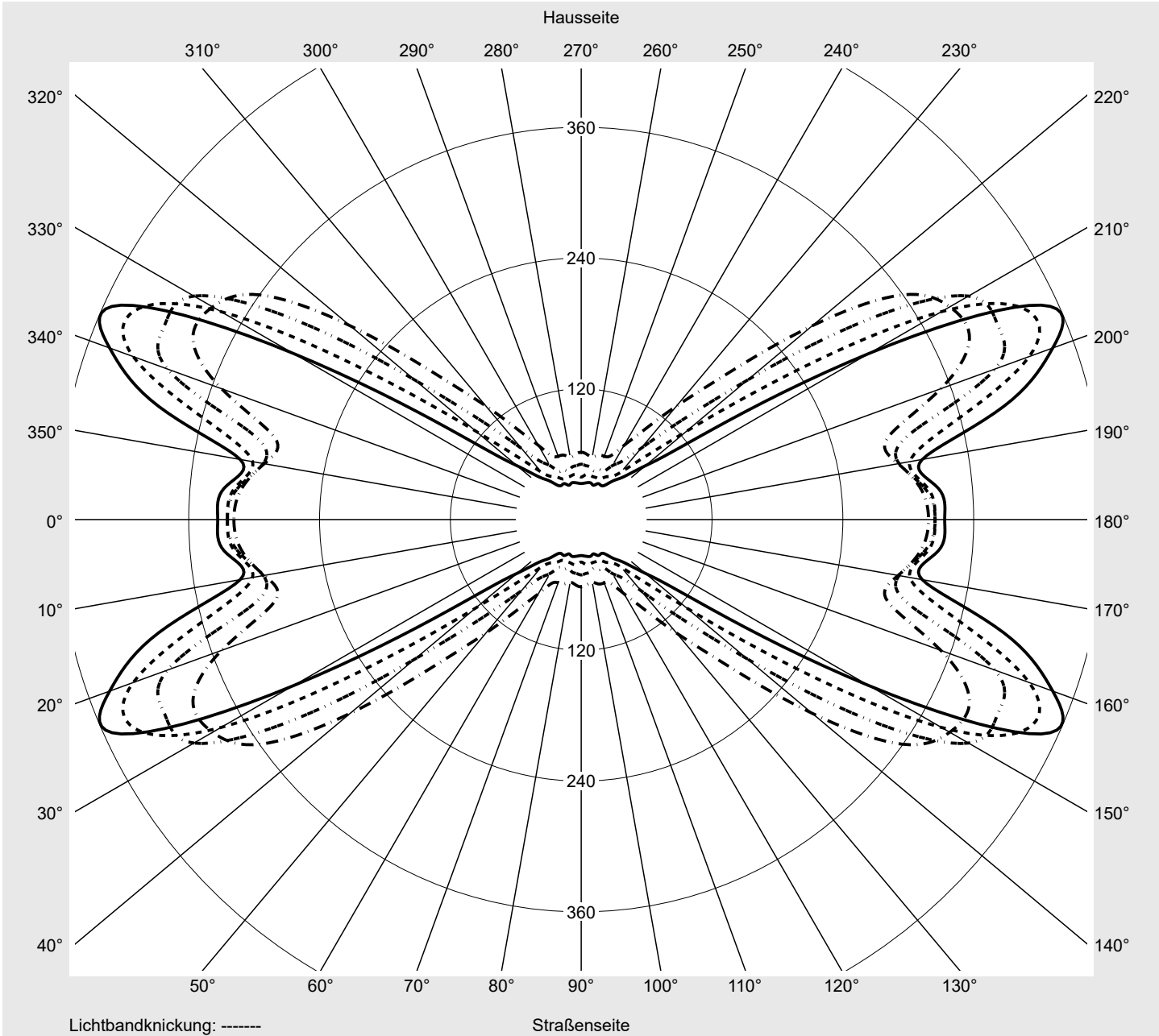
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> DL® 50 mini LED	<b>Bestell-Nr.:</b> 5XA248V41F08FE <b>EAN:</b> 4058352803899	<b>LP-Nummer</b> 59397_65
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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.: 5XA248V41F08FE</b> <b>EAN: 4058352803899</b>	<b>LP-Nummer</b> <b>59397_65</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>
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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°	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>	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	2690	15.7	16.1	15.9
95	241	252	2552	14.8	15.3	15.0
90	229	250	2425	14.1	14.5	14.3
85	216	248	2288	13.3	13.7	13.5
80	203	246	2150	12.5	12.9	12.7
75	190	243	2012	11.7	12.0	11.8
70	178	241	1885	11.0	11.3	11.2
65	165	238	1747	10.2	10.5	10.4
60	152	235	1610	9.5	9.7	9.6
55	140	232	1483	8.8	9.0	8.9
50	127	229	1345	8.1	8.3	8.2
45	114	225	1207	7.4	7.5	7.4
40	102	221	1080	6.7	6.8	6.8
35	89	216	943	6.0	6.1	6.0
30	76	210	805	5.3	5.5	5.4
25	63	203	667	4.7	4.7	4.7
21	54	197	572	4.2	4.3	4.2