

## Lichttechnischer Prüfbefund

**Familie**  
**DL® 50 mini LED**

**Bestell-Nr.: 5XA248W41F08RE**  
**EAN: 4058352804247**

**LP-Nummer**  
**59398\_15**



<b>Ausführung</b>	Seil-Montage
<b>Optik</b>	symmetrisch, breit strahlend (ST1.0s)
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 4000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 5990 lm Systemleistung = 33.8 W Lichtausbeute = 177.2 lm/W

**Seriendokumentation**  
**03.04.2023**

**siteco**

**Lichtstärke in cd/klm**

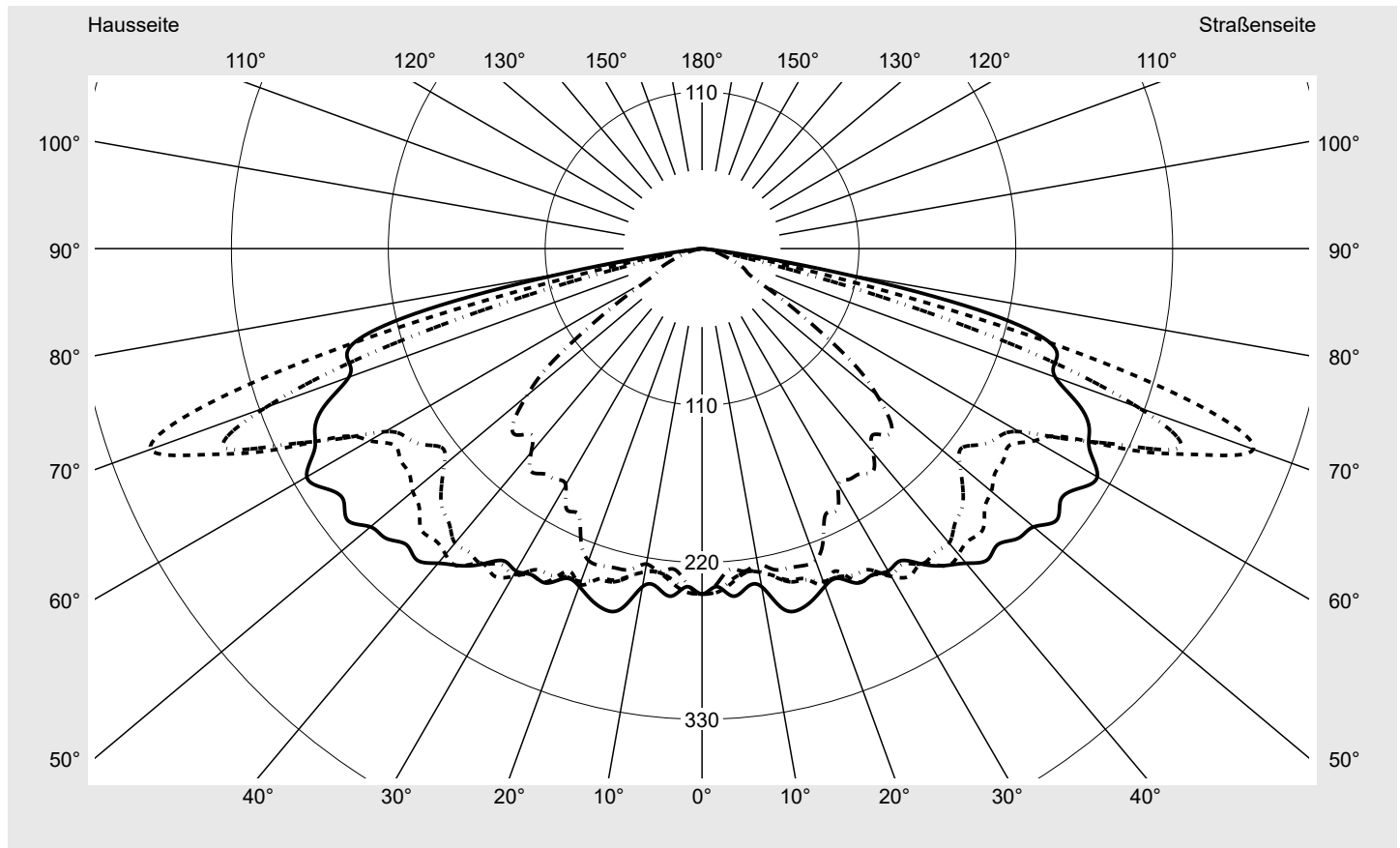
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 411 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G4
Imax 70°	411.4
Imax 80°	95.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Messbedingungen**

DIN EN 13032 und DIN 5032

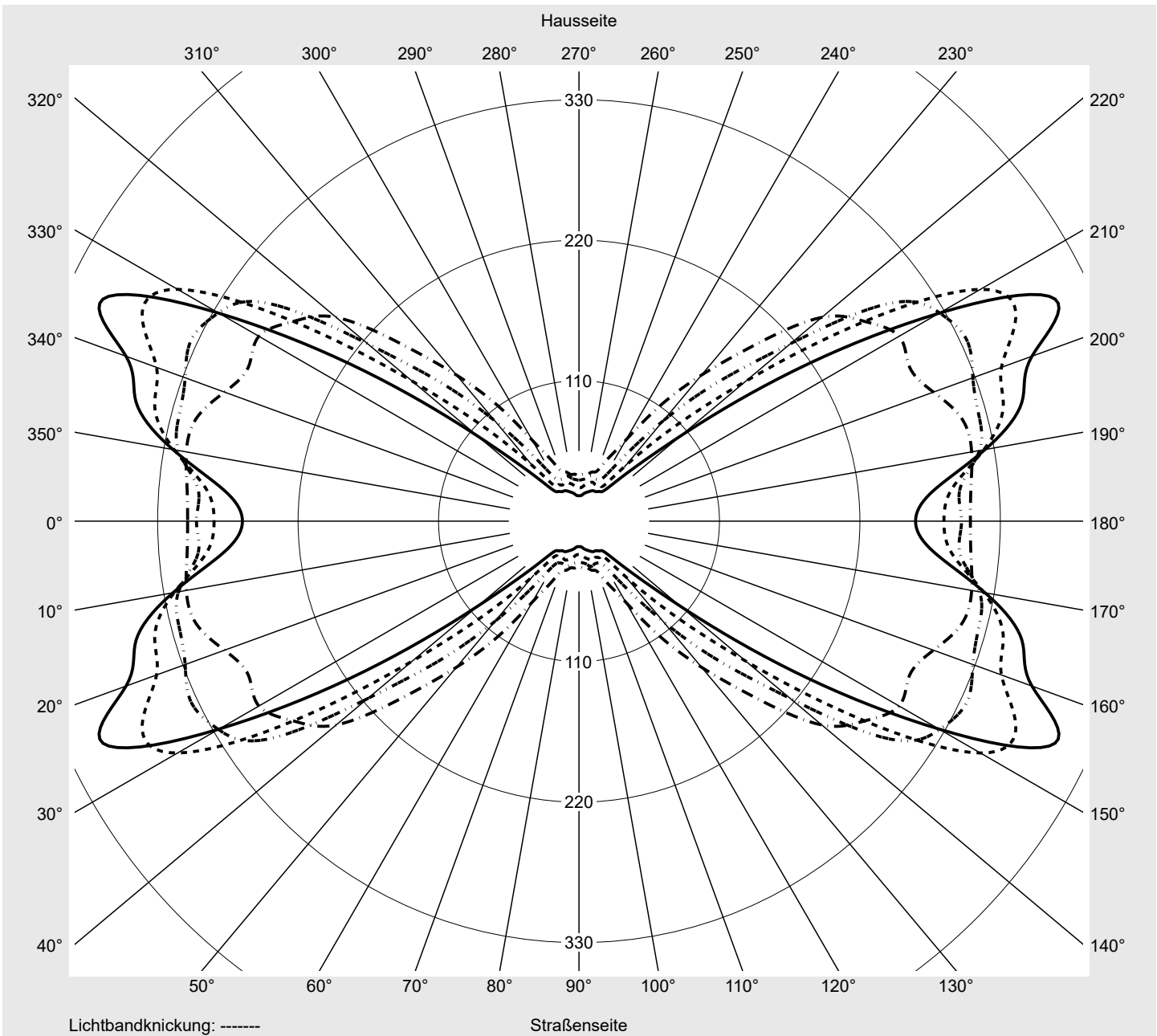
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**Familie**  
DL® 50 mini LED

**Bestell-Nr.: 5XA248W41F08RE**  
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**Kegelmantelkurven in cd/klm**    **KMK 70°**    **KMK 67,5°**    **KMK 65°**    **KMK 62,5°**    **siteco**



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<b>Familie</b> <b>DL® 50 mini LED</b>	<b>Bestell-Nr.: 5XA248W41F08RE</b> <b>EAN: 4058352804247</b>	<b>LP-Nummer</b> <b>59398_15</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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	237.2	238.8	239.3	239.2	239.9	241.2	240.6	240.8	241.4	240.6	238.9	237.8	237.8
5,0°	244.6	241.4	240.2	237.3	236.1	235.6	233.4	231.4	230.5	230.7	228.2	228.5	226.9
7,5°	239.7	239.5	240.1	235.6	230.3	229.5	229.2	225.4	225.6	225.9	225.4	227.1	225.1
10,0°	240.7	240.9	240.7	237.0	232.9	230.3	229.8	230.5	226.7	226.6	227.4	229.7	229.2
12,5°	258.0	251.4	239.6	234.1	232.4	235.2	235.7	235.9	233.6	234.4	232.0	232.6	231.2
15,0°	262.2	250.4	240.5	240.5	239.4	240.7	241.9	238.0	237.7	239.0	237.6	234.9	234.8
17,5°	258.3	253.0	242.6	241.9	244.5	243.0	243.5	237.8	239.0	239.5	238.9	236.1	238.6
20,0°	251.9	251.7	247.9	246.2	247.7	250.6	248.4	247.3	244.0	239.5	241.1	238.3	236.1
22,5°	250.2	255.3	250.1	252.0	251.1	244.7	249.1	247.1	248.1	247.7	235.9	233.3	230.7
25,0°	258.8	257.1	258.5	256.3	253.3	257.8	252.5	254.0	249.6	244.1	237.2	232.2	232.3
27,5°	258.1	256.5	263.2	259.5	259.5	258.2	253.9	256.2	251.7	239.8	233.2	229.8	227.8
30,0°	261.0	262.4	270.3	263.6	265.2	265.4	263.9	258.9	247.1	240.8	234.7	231.8	223.5
32,5°	259.5	269.3	271.6	271.6	269.8	271.9	262.4	260.2	247.0	244.5	238.0	221.6	215.1
35,0°	270.2	271.5	277.7	274.8	276.3	269.4	269.7	256.6	244.8	241.8	231.1	224.2	215.4
37,5°	280.1	278.2	282.9	283.0	277.8	280.5	268.3	250.9	240.6	237.6	227.8	218.9	216.9
40,0°	288.0	287.7	283.7	284.7	284.3	279.9	269.6	249.3	243.8	233.3	222.4	225.7	216.8
42,5°	296.1	291.5	287.5	295.3	291.2	277.3	262.2	243.9	239.3	228.4	226.9	220.5	217.6
45,0°	293.4	298.8	291.6	294.0	289.4	278.5	257.7	237.7	232.5	235.6	229.6	227.2	218.7
47,5°	300.6	298.4	297.6	302.8	292.3	268.9	248.0	237.2	231.6	238.0	233.9	219.4	210.6
50,0°	303.5	301.8	294.9	296.2	291.7	264.8	236.1	229.1	235.5	235.4	227.4	211.0	203.7
52,5°	313.1	306.4	297.9	293.8	282.3	258.9	229.6	232.4	238.8	238.4	223.0	204.0	193.8
55,0°	307.1	309.6	303.0	293.1	276.4	258.2	239.5	242.7	237.6	226.6	215.3	201.3	182.8
57,5°	313.1	310.7	306.8	291.4	269.9	256.2	246.1	247.7	241.0	221.4	213.5	184.7	154.5
60,0°	320.0	316.0	306.0	294.2	273.9	269.4	256.7	259.9	244.6	223.8	186.2	149.8	120.5
62,5°	306.5	308.2	312.3	310.4	295.5	285.6	289.5	272.8	248.2	195.5	149.4	109.6	73.2
65,0°	299.6	299.7	318.5	324.0	328.3	335.2	326.1	297.5	216.1	154.1	102.4	62.6	40.7
67,5°	285.8	293.3	321.9	344.0	352.1	377.5	363.0	272.0	170.4	101.8	56.5	34.1	32.7
70,0°	263.6	279.1	322.9	359.1	377.5	411.4	325.6	204.8	103.6	53.3	32.1	28.3	26.7
72,5°	260.2	275.7	322.3	347.2	375.3	364.9	242.0	112.7	53.4	31.2	25.3	24.3	21.6
75,0°	251.4	265.8	278.0	285.9	301.8	245.3	128.4	47.3	27.7	22.4	20.0	19.1	16.8
77,5°	197.9	175.8	144.1	149.6	149.5	108.1	39.8	20.4	16.2	15.7	15.3	13.4	11.5
80,0°	95.1	62.5	44.4	47.7	50.8	36.7	13.5	10.8	8.9	8.8	10.7	7.7	7.1
82,5°	19.9	11.3	7.0	9.6	15.5	10.3	5.6	6.2	4.3	3.5	4.0	4.1	4.1
85,0°	1.2	1.2	1.3	1.2	1.4	1.4	1.5	1.4	1.4	1.2	1.2	1.1	1.1
87,5°	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	237.6	237.2	238.4	236.8	236.6	235.5	238.8	239.3	239.2	239.9	241.2	240.6	240.8
5,0°	225.5	223.4	223.5	224.4	224.8	225.6	241.4	240.2	237.3	236.1	235.6	233.4	231.4
7,5°	224.0	222.3	222.8	225.7	224.9	228.1	239.5	240.1	235.6	230.3	229.5	229.2	225.4
10,0°	227.7	225.8	224.1	224.7	223.8	224.6	240.9	240.7	237.0	232.9	230.3	229.8	230.5
12,5°	231.2	231.4	229.8	229.8	229.6	230.4	251.4	239.6	234.1	232.4	235.2	235.7	235.9
15,0°	230.0	230.3	232.1	235.2	232.2	232.0	250.4	240.5	240.5	239.4	240.7	241.9	238.0
17,5°	237.7	232.4	229.1	230.6	232.7	233.2	253.0	242.6	241.9	244.5	243.0	243.5	237.8
20,0°	232.3	229.1	229.0	222.8	224.5	232.7	251.7	247.9	246.2	247.7	250.6	248.4	247.3
22,5°	227.4	224.4	223.2	217.3	219.8	221.9	255.3	250.1	252.0	251.1	244.7	249.1	247.1
25,0°	229.1	225.8	217.2	216.6	211.4	205.4	257.1	258.5	256.3	253.3	257.8	252.5	254.0
27,5°	221.2	221.3	210.3	205.3	201.2	205.9	256.5	263.2	259.5	259.5	258.2	253.9	256.2
30,0°	219.6	203.8	203.4	198.5	195.7	191.2	262.4	270.3	263.6	265.2	265.4	263.9	258.9
32,5°	213.1	203.8	198.3	195.7	194.0	191.8	269.3	271.6	271.6	269.8	271.9	262.4	260.2
35,0°	208.0	203.1	202.6	196.4	199.0	192.9	271.5	277.7	274.8	276.3	269.4	269.7	256.6
37,5°	214.0	207.7	201.2	204.7	194.8	196.9	278.2	282.9	283.0	277.8	280.5	268.3	250.9
40,0°	214.8	205.4	199.6	193.5	195.0	186.4	287.7	283.7	284.7	284.3	279.9	269.6	249.3
42,5°	212.5	197.8	193.6	191.5	186.2	177.2	291.5	287.5	295.3	291.2	277.3	262.2	243.9
45,0°	204.2	194.8	190.2	187.3	183.5	184.7	298.8	291.6	294.0	289.4	278.5	257.7	237.7
47,5°	198.5	192.3	181.2	184.3	173.1	179.1	298.4	297.6	302.8	292.3	268.9	248.0	237.2
50,0°	192.3	181.6	172.1	167.7	161.5	160.3	301.8	294.9	296.2	291.7	264.8	236.1	229.1
52,5°	180.8	167.6	154.5	148.1	139.4	137.0	306.4	297.9	293.8	282.3	258.9	229.6	232.4
55,0°	162.1	142.2	122.5	115.6	106.9	100.5	309.6	303.0	293.1	276.4	258.2	239.5	242.7
57,5°	128.4	106.6	92.1	76.1	71.9	68.4	310.7	306.8	291.4	269.9	256.2	246.1	247.7
60,0°	90.9	69.4	55.8	47.4	46.4	43.4	316.0	306.0	294.2	273.9	269.4	256.7	259.9
62,5°	54.4	42.1	39.9	37.1	36.9	35.5	308.2	312.3	310.4	295.5	285.6	289.5	272.8
65,0°	36.0	35.7	36.7	34.2	32.7	32.1	299.7	318.5	324.0	328.3	335.2	326.1	297.5
67,5°	31.2	32.2	31.0	29.2	26.7	26.1	293.3	321.9	344.0	352.1	377.5	363.0	272.0
70,0°	26.3	24.9	23.4	21.9	20.2	20.0	279.1	322.9	359.1	377.5	411.4	325.6	204.8
72,5°	20.5	19.7	18.0	16.2	16.2	14.7	275.7	322.3	347.2	375.3	364.9	242.0	112.7
75,0°	16.0	14.9	13.6	11.8	11.4	11.4	265.8	278.0	285.9	301.8	245.3	128.4	47.3
77,5°	11.5	10.5	8.9	7.7	6.7	6.8	175.8	144.1	149.6	149.5	108.1	39.8	20.4
80,0°	7.4	6.4	5.4	4.6	3.8	3.8	62.5	44.4	47.7	50.8	36.7	13.5	10.8
82,5°	3.5	3.3	2.7	2.1	1.9	1.8	11.3	7.0	9.6	15.5	10.3	5.6	6.2
85,0°	1.2	1.1	1.0	0.8	0.6	0.8	1.2	1.3	1.2	1.4	1.4	1.5	1.4
87,5°	0.2	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.4	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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	0.4	0.4
2,5°	241.4	240.6	238.9	237.8	237.8	237.6	237.2	238.4	236.8	236.6	235.5	2.9	3.2
5,0°	230.5	230.7	228.2	228.5	226.9	225.5	223.4	223.5	224.4	224.8	225.6	5.5	8.7
7,5°	225.6	225.9	225.4	227.1	225.1	224.0	222.3	222.8	225.7	224.9	228.1	8.2	16.9
10,0°	226.7	226.6	227.4	229.7	229.2	227.7	225.8	224.1	224.7	223.8	224.6	10.9	27.9
12,5°	233.6	234.4	232.0	232.6	231.2	231.2	231.4	229.8	229.8	229.6	230.4	13.9	41.8
15,0°	237.7	239.0	237.6	234.9	234.8	230.0	230.3	232.1	235.2	232.2	232.0	16.9	58.7
17,5°	239.0	239.5	238.9	236.1	238.6	237.7	232.4	229.1	230.6	232.7	233.2	19.7	78.4
20,0°	244.0	239.5	241.1	238.3	236.1	232.3	229.1	229.0	222.9	224.5	232.7	22.5	100.9
22,5°	248.1	247.7	235.9	233.3	230.7	227.4	224.4	223.2	217.3	219.8	221.9	25.0	125.9
25,0°	249.6	244.1	237.2	232.2	232.3	229.1	225.8	217.2	216.6	211.4	205.4	27.8	153.7
27,5°	251.7	239.8	233.2	229.8	227.8	221.2	221.3	210.3	205.3	201.2	205.9	30.1	183.8
30,0°	247.1	240.8	234.7	231.8	223.5	219.5	203.8	203.4	198.5	195.7	191.2	32.6	216.3
32,5°	247.0	244.5	238.0	221.6	215.1	213.1	203.8	198.3	195.7	194.0	191.8	35.0	251.3
35,0°	244.8	241.8	231.1	224.2	215.4	208.0	203.1	202.6	196.4	199.0	192.9	37.5	288.8
37,5°	240.6	237.6	227.8	218.9	216.9	214.0	207.7	201.2	204.7	194.8	196.9	40.1	328.9
40,0°	243.8	233.3	222.4	225.7	216.8	214.8	205.4	199.6	193.5	195.0	186.4	42.4	371.3
42,5°	239.3	228.4	226.9	220.5	217.6	212.5	197.8	193.6	191.5	186.2	177.2	44.2	415.5
45,0°	232.5	235.6	229.6	227.2	218.7	204.2	194.8	190.2	187.3	183.5	184.7	46.2	461.7
47,5°	231.6	238.0	233.9	219.4	210.6	198.5	192.3	181.2	184.3	173.1	179.1	47.7	509.4
50,0°	235.5	235.4	227.4	211.0	203.7	192.3	181.6	172.1	167.7	161.5	160.3	48.2	557.6
52,5°	238.8	238.4	223.0	204.0	193.8	180.8	167.6	154.5	148.1	139.4	137.0	48.5	606.2
55,0°	237.6	226.6	215.3	201.3	182.8	162.1	142.2	122.5	115.6	106.9	100.5	47.9	654.0
57,5°	241.0	221.4	213.5	184.7	154.5	128.4	106.6	92.1	76.1	71.9	68.4	46.4	700.4
60,0°	244.6	223.8	186.2	149.8	120.5	90.9	69.4	55.8	47.4	46.4	43.4	44.7	745.2
62,5°	248.2	195.5	149.4	109.6	73.2	54.4	42.1	39.9	37.1	36.9	35.5	43.7	788.8
65,0°	216.1	154.1	102.4	62.6	40.7	36.0	35.7	36.7	34.2	32.7	32.1	43.4	832.2
67,5°	170.4	101.8	56.5	34.1	32.7	31.2	32.2	31.0	29.2	26.7	26.1	42.6	874.8
70,0°	103.6	53.3	32.1	28.3	26.7	26.3	24.9	23.4	21.9	20.2	20.0	39.8	914.6
72,5°	53.4	31.2	25.3	24.3	21.6	20.5	19.7	18.0	16.2	16.2	14.7	35.2	949.9
75,0°	27.7	22.4	20.0	19.1	16.8	16.0	14.9	13.6	11.8	11.4	11.4	27.3	977.2
77,5°	16.2	15.7	15.3	13.4	11.5	11.5	10.5	8.9	7.7	6.7	6.8	15.0	992.2
80,0°	8.9	8.8	10.7	7.7	7.1	7.4	6.4	5.4	4.6	3.8	3.8	5.8	998.0
82,5°	4.3	3.5	4.0	4.1	4.1	3.5	3.3	2.7	2.1	1.9	1.8	1.7	999.6
85,0°	1.4	1.2	1.2	1.1	1.1	1.2	1.1	1.0	0.8	0.6	0.8	0.3	999.9
87,5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	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	5990	33.8	34.8	34.3
95	241	252	5683	31.9	32.9	32.4
90	229	250	5400	30.2	31.2	30.7
85	216	248	5094	28.3	29.2	28.8
80	203	246	4787	26.6	27.3	27.0
75	190	243	4481	24.8	25.5	25.2
70	178	241	4198	23.1	23.8	23.5
65	165	238	3891	21.3	22.0	21.6
60	152	235	3585	19.6	20.2	19.9
55	140	232	3302	18.0	18.5	18.2
50	127	229	2995	16.3	16.8	16.6
45	114	225	2688	14.6	15.0	14.8
40	102	221	2405	13.1	13.5	13.3
35	89	216	2099	11.5	11.8	11.6
30	76	210	1792	9.9	10.2	10.0
25	63	203	1486	8.4	8.6	8.5
20	51	195	1203	6.9	7.0	7.0
15	38	184	896	5.3	5.5	5.4
11	29	175	684	4.1	4.2	4.2