

Lichttechnischer Prüfbefund

Familie
DL® 50 mini LED

Bestell-Nr.: 5XA248W21F08GE
EAN: 4058352803981

LP-Nummer
59398_8



Ausführung	Seil-Montage
Optik	symmetrisch, breit strahlend (ST1.0s)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 2200 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 4580 lm Systemleistung = 35.2 W Lichtausbeute = 130.1 lm/W

Seriendokumentation
03.04.2023

siteco

Lichtstärke in cd/klm

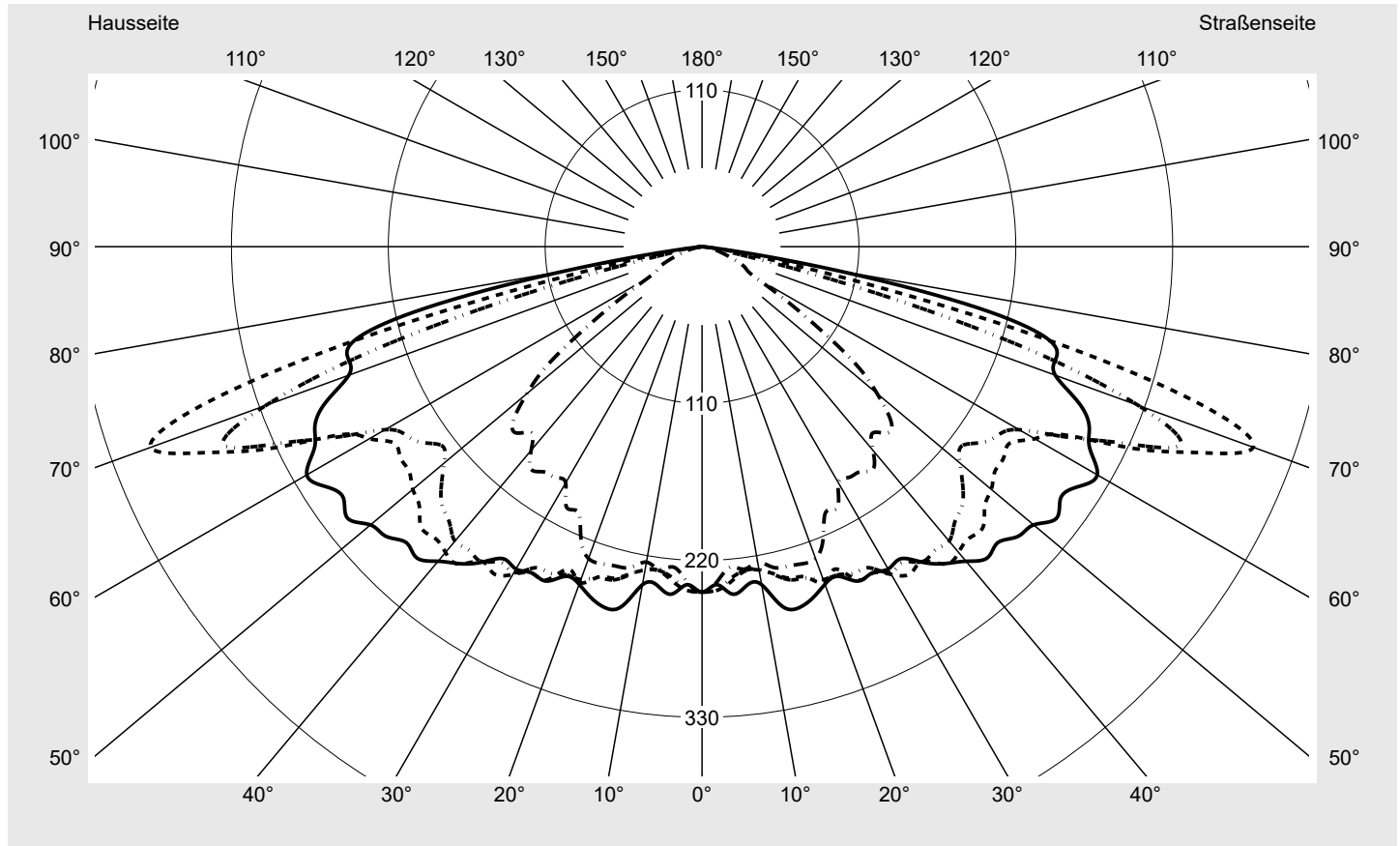
C180-0

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

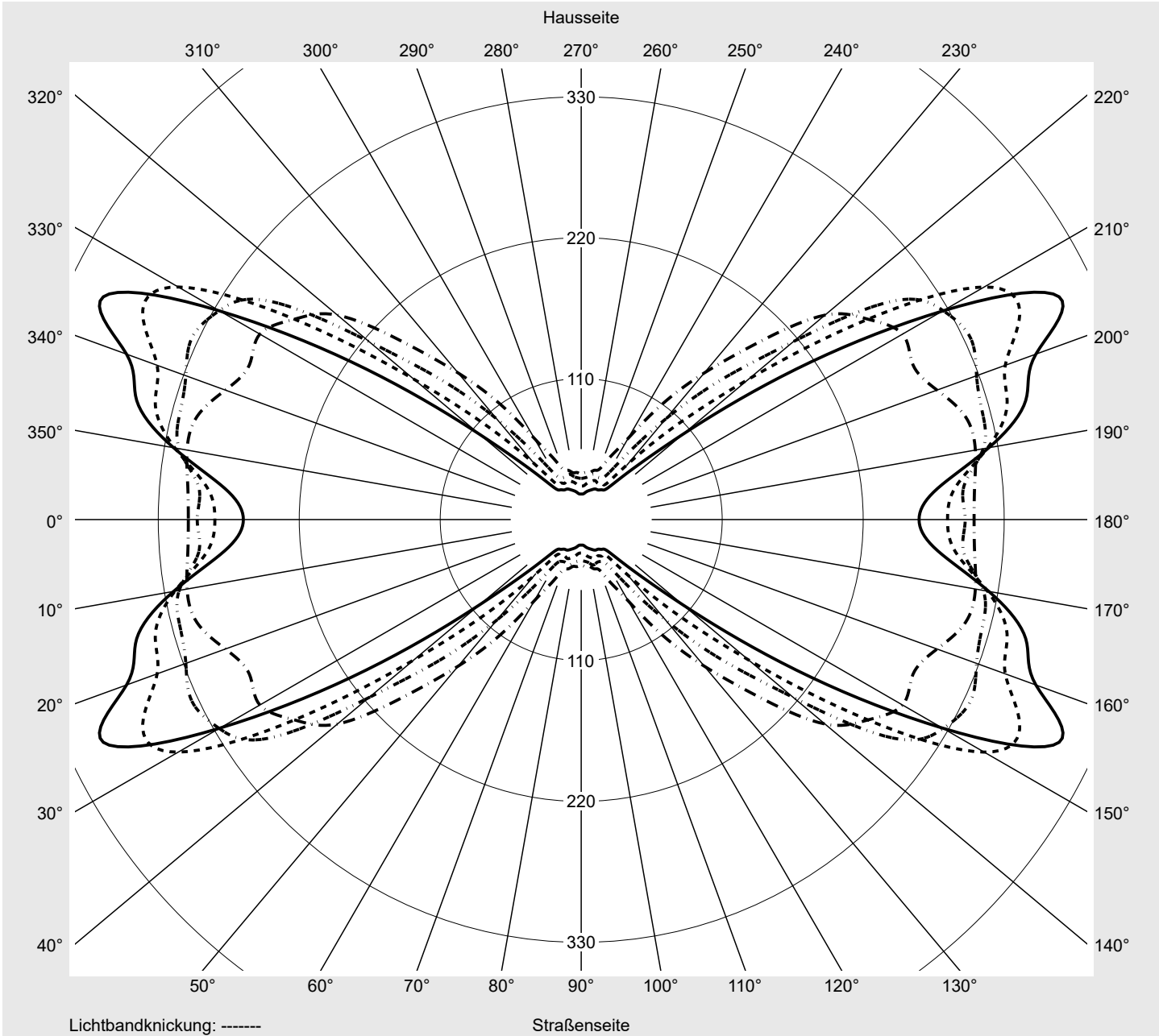
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 70°** **KMK 67,5°** **KMK 65°** **KMK 62,5°** **siteco**



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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248W21F08GE EAN: 4058352803981	LP-Nummer 59398_8
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°	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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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°	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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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°	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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Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	4580	35.2	36.4	35.8
95	241	252	4346	33.0	34.3	33.6
90	229	250	4129	31.2	32.3	31.8
85	216	248	3895	29.2	30.3	29.8
80	203	246	3660	27.3	28.3	27.8
75	190	243	3426	25.4	26.3	25.8
70	178	241	3210	23.7	24.4	24.0
65	165	238	2975	21.8	22.6	22.2
60	152	235	2741	20.0	20.7	20.4
55	140	232	2524	18.4	19.0	18.7
50	127	229	2290	16.6	17.2	16.9
45	114	225	2056	15.0	15.4	15.2
40	102	221	1839	13.4	13.9	13.6
35	89	216	1605	11.8	12.2	12.0
30	76	210	1370	10.2	10.5	10.4
25	63	203	1136	8.7	9.0	8.8
20	51	195	920	7.3	7.5	7.4
15	38	184	685	5.8	6.0	5.9
11	27	172	487	4.6	4.6	4.6