

Lichttechnischer Prüfbefund

Familie
DL® 50 mini LED

Bestell-Nr.: 5XA248A21F08GE
EAN: 4058352802014

LP-Nummer
59405_7



Ausführung	Mastansatz- / Mastaufsatzmontage
Optik	asymmetrisch, extrem breit strahlend (P1.0a)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 2200 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 4440 lm Systemleistung = 35.2 W Lichtausbeute = 126.1 lm/W

Seriendokumentation
03.04.2023

siteco

Lichtstärke in cd/klm

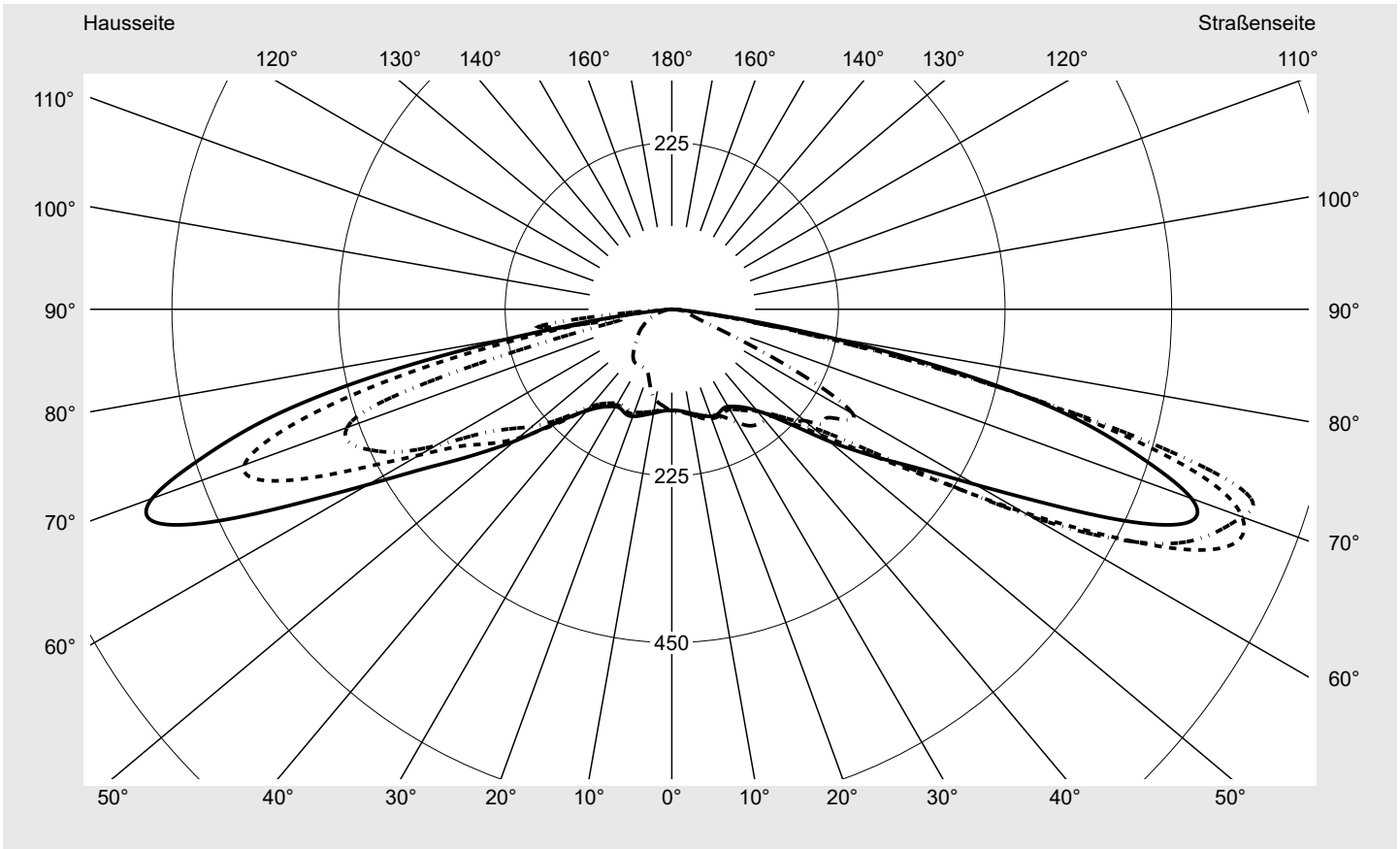
C180-0

C185-5

C190-10

C270-90

Imax: 824 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	---
Imax 70°	819.8
Imax 80°	208.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

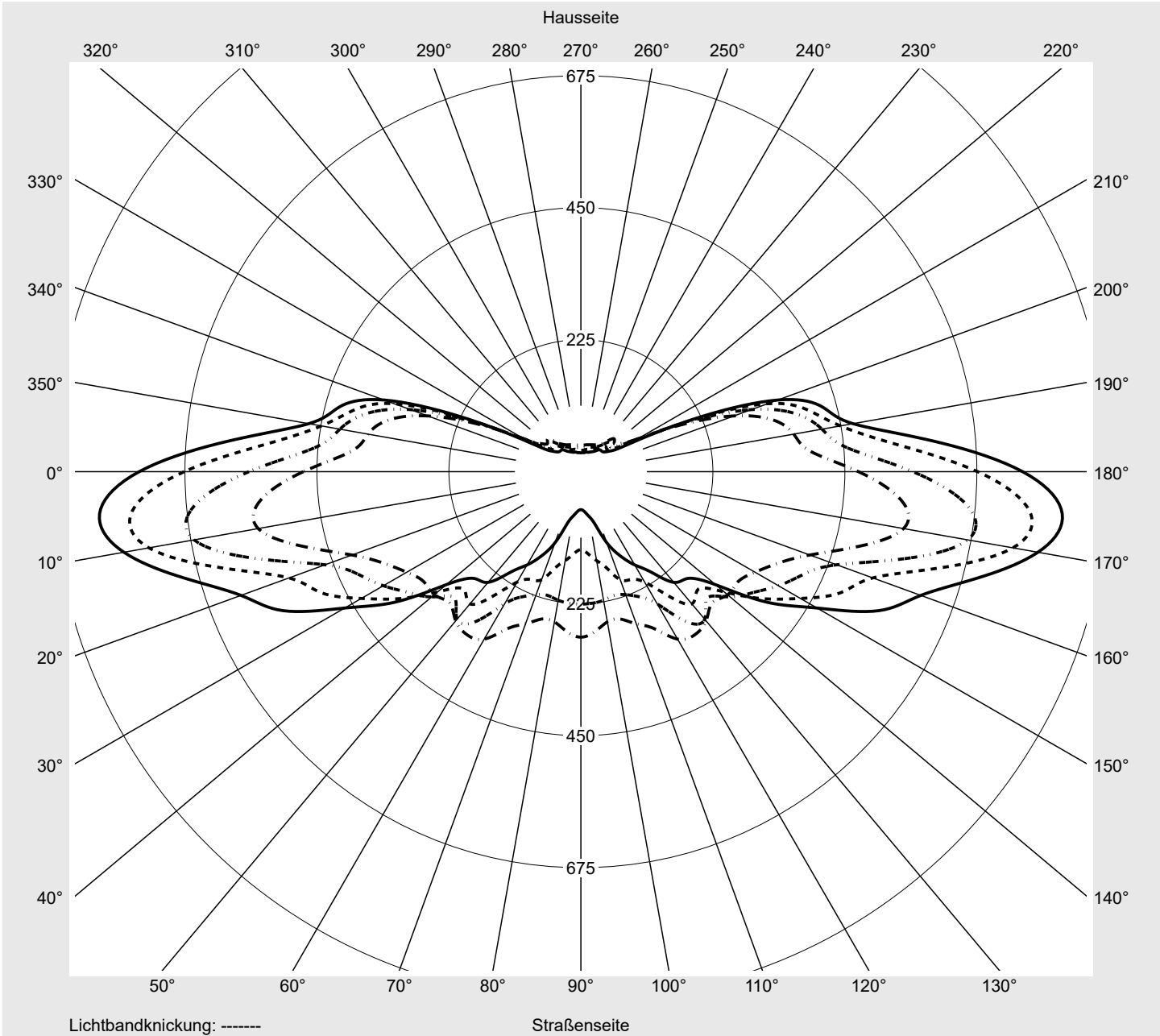
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248A21F08GE EAN: 4058352802014	LP-Nummer 59405_7
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°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7
2,5°	136.8	137.0	137.2	137.4	137.5	137.7	137.8	137.9	138.0	138.1	138.3	138.5	138.6
5,0°	137.8	138.4	138.8	139.2	139.4	139.7	139.9	140.1	140.1	140.1	140.0	140.0	140.0
7,5°	139.8	140.5	141.2	141.8	142.2	142.4	142.5	142.5	142.5	142.1	141.7	141.5	141.2
10,0°	142.4	143.4	144.3	145.1	145.6	145.8	145.7	145.3	145.0	144.5	144.1	143.9	143.7
12,5°	145.0	146.3	147.8	149.0	149.5	149.5	149.2	148.8	148.5	148.3	148.3	148.4	148.2
15,0°	147.9	149.9	151.7	153.3	154.1	154.1	153.7	153.4	153.5	153.7	153.7	153.4	152.8
17,5°	151.1	153.5	155.7	157.6	158.6	158.7	158.5	158.4	158.6	158.7	158.4	157.8	156.9
20,0°	153.9	156.6	158.9	161.3	162.4	162.6	162.8	162.9	163.1	163.1	162.6	161.8	160.7
22,5°	154.9	157.8	160.7	163.6	165.5	166.3	166.8	167.2	167.4	167.0	166.4	165.7	165.2
25,0°	153.2	156.0	159.2	163.2	166.3	168.4	170.2	171.1	171.3	170.9	170.7	170.6	170.7
27,5°	150.8	153.2	156.2	160.3	163.7	166.8	170.7	173.2	174.0	174.7	175.3	176.3	177.3
30,0°	151.7	153.7	156.1	159.0	161.1	164.1	169.0	173.6	176.7	178.7	180.5	182.4	185.3
32,5°	155.7	158.2	160.5	162.8	162.6	162.9	166.1	171.6	179.1	183.9	186.9	190.3	194.9
35,0°	160.9	163.7	166.4	168.7	167.7	167.9	166.0	169.3	179.4	189.4	193.0	197.2	203.9
37,5°	168.2	170.5	173.0	174.5	174.3	174.2	173.4	171.2	178.0	191.3	196.9	203.1	213.5
40,0°	178.8	179.6	180.6	180.9	180.5	181.2	182.3	180.3	178.1	189.8	201.0	212.6	227.7
42,5°	193.1	191.6	190.0	187.9	186.8	187.4	191.8	191.5	185.7	188.6	208.9	225.4	244.2
45,0°	213.9	209.2	203.6	197.5	194.4	193.4	198.7	203.2	199.0	192.5	220.8	242.1	260.1
47,5°	241.1	233.1	222.0	211.7	205.0	201.3	204.2	214.9	216.3	204.7	235.6	260.0	276.9
50,0°	276.9	264.8	247.7	234.2	221.7	214.5	216.2	229.0	237.9	227.3	255.2	283.5	304.1
52,5°	313.8	305.6	285.1	264.5	247.3	238.2	237.5	248.9	261.1	253.8	281.3	313.4	328.0
55,0°	355.0	361.8	344.3	315.2	291.4	277.2	270.0	273.4	282.3	282.0	311.3	328.3	330.9
57,5°	403.4	439.6	434.6	392.5	351.8	323.9	304.5	295.5	301.3	309.9	329.0	335.9	347.6
60,0°	473.2	547.3	558.6	491.3	415.3	369.9	342.7	327.0	326.5	316.6	332.1	339.1	329.6
62,5°	565.9	661.1	669.6	572.5	464.0	416.5	388.8	359.0	332.0	304.6	328.4	311.6	260.2
65,0°	676.3	767.7	747.8	633.7	529.5	488.3	432.1	377.2	318.8	283.1	294.2	257.3	217.4
67,5°	753.0	823.7	791.1	700.3	616.6	560.5	464.9	388.3	299.8	257.4	246.3	209.2	183.5
70,0°	746.8	819.5	819.8	758.7	688.2	619.3	515.7	407.7	294.7	229.7	190.0	158.5	121.9
72,5°	663.4	751.7	806.0	776.0	714.3	665.0	531.7	389.8	281.1	182.2	126.8	91.3	58.2
75,0°	557.3	589.1	614.4	627.9	637.0	572.6	390.4	268.0	182.0	120.0	74.9	47.7	38.0
77,5°	399.1	374.4	363.2	363.8	409.9	313.4	202.9	97.5	68.7	69.3	39.9	29.3	25.0
80,0°	208.9	172.9	157.6	172.7	158.4	155.0	84.1	47.0	40.9	42.6	23.7	18.3	16.0
82,5°	73.2	58.8	55.8	60.1	53.4	64.3	40.1	24.5	20.4	20.2	12.4	9.8	9.5
85,0°	14.5	13.6	13.1	17.4	16.8	14.3	9.2	7.5	6.4	6.2	5.8	5.0	4.0
87,5°	3.5	3.3	3.2	3.1	3.1	2.8	2.6	2.2	2.1	1.9	1.8	1.6	1.4
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°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7
2,5°	138.8	139.0	139.2	139.4	139.6	139.6	136.6	136.3	135.9	135.7	135.3	135.1	134.8
5,0°	140.0	140.1	140.1	140.2	140.3	140.4	137.3	136.6	135.9	135.3	134.6	133.9	133.3
7,5°	140.9	140.8	140.7	140.8	140.9	140.9	138.9	137.9	136.8	135.8	134.7	133.6	132.7
10,0°	143.5	143.5	143.3	143.5	143.5	143.6	141.2	139.9	138.6	137.0	135.5	134.1	132.7
12,5°	147.7	147.2	146.6	146.2	146.0	146.0	143.5	141.9	140.3	138.5	136.6	134.9	133.1
15,0°	152.0	151.0	149.9	149.0	148.4	148.2	145.9	143.9	141.8	139.7	137.8	135.5	133.2
17,5°	155.7	154.4	152.8	151.2	150.0	149.7	148.6	146.1	143.4	140.7	138.1	135.4	132.5
20,0°	159.4	158.1	156.0	153.8	152.4	151.8	150.7	147.6	144.4	141.2	138.1	134.7	131.0
22,5°	164.3	163.0	160.7	158.0	155.9	154.9	151.4	148.1	144.9	141.5	138.0	133.8	128.4
25,0°	170.7	169.5	166.9	163.7	160.6	159.3	150.1	147.4	144.5	141.1	137.6	132.4	124.7
27,5°	178.5	178.4	176.3	172.7	169.4	167.1	148.2	145.9	143.3	140.1	136.3	129.5	119.1
30,0°	188.6	190.0	189.3	185.6	179.5	176.2	149.3	146.6	143.2	139.7	134.7	125.6	112.3
32,5°	200.4	204.0	204.5	199.0	190.2	185.5	153.1	150.2	146.0	141.3	133.2	120.0	105.1
35,0°	211.2	218.3	220.6	212.7	199.0	191.6	158.1	155.1	150.4	143.8	131.5	114.1	98.2
37,5°	227.2	235.9	236.2	224.8	205.3	194.2	165.5	161.7	156.3	146.8	128.7	107.9	92.2
40,0°	245.4	251.5	248.6	235.2	210.1	195.6	177.3	172.3	164.3	150.0	125.2	101.3	87.8
42,5°	260.0	264.6	258.6	243.6	213.9	196.2	194.3	187.6	175.0	154.6	120.8	94.8	85.0
45,0°	273.3	275.7	268.4	252.8	226.7	206.4	217.7	207.3	186.7	161.0	117.7	90.0	84.8
47,5°	292.1	294.7	290.3	274.6	245.1	225.1	242.7	227.4	199.3	169.4	117.2	86.7	86.9
50,0°	322.0	327.1	310.4	289.2	252.5	234.0	270.9	246.5	213.3	180.4	123.3	88.2	89.6
52,5°	333.1	331.3	326.4	309.2	275.8	254.2	295.3	263.5	231.0	196.5	135.3	93.0	92.0
55,0°	343.8	356.9	335.7	307.1	281.3	255.7	318.3	284.6	257.3	219.5	154.6	99.3	92.0
57,5°	365.9	331.2	312.3	297.3	291.1	277.6	346.0	316.5	293.5	246.7	174.5	106.9	89.1
60,0°	295.1	276.0	260.1	259.9	273.8	282.1	393.6	368.5	339.9	277.9	189.4	112.2	83.8
62,5°	235.2	223.1	218.5	222.6	225.0	225.8	457.7	417.3	380.3	309.2	199.5	110.6	77.0
65,0°	202.7	196.1	170.0	153.9	140.6	132.7	538.6	449.3	402.5	338.8	207.3	104.0	69.6
67,5°	158.2	128.7	92.8	77.0	68.2	64.7	601.9	471.0	426.2	357.1	212.0	93.9	61.5
70,0°	84.5	63.0	52.1	42.8	39.6	38.6	614.2	466.4	446.0	367.2	212.9	83.4	55.1
72,5°	44.2	40.4	37.1	32.2	30.3	29.8	557.3	399.8	429.1	344.4	178.5	68.3	47.8
75,0°	34.0	31.2	29.4	27.4	24.5	24.1	444.9	215.0	290.8	262.8	130.9	53.2	38.4
77,5°	23.9	22.4	21.2	19.7	18.3	18.2	300.0	82.4	170.8	162.6	82.5	42.4	29.8
80,0°	16.5	15.1	14.2	12.7	12.3	12.2	156.2	98.0	133.7	99.3	52.6	32.3	22.4
82,5°	9.1	7.9	7.2	6.5	6.0	6.0	72.9	182.1	124.7	57.8	33.9	22.8	15.8
85,0°	3.6	3.4	3.0	2.8	2.5	2.4	16.0	80.6	55.7	23.3	17.7	12.9	9.3
87,5°	1.2	1.1	1.1	1.0	1.0	0.9	3.9	5.6	5.0	4.2	4.7	4.0	3.4
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	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°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	0.2	0.2
2,5°	134.5	134.3	134.2	134.0	134.0	134.1	134.1	134.1	134.2	134.4	134.5	1.6	1.8
5,0°	132.7	132.3	131.9	131.5	131.2	131.1	130.9	130.9	130.9	131.0	131.0	3.3	5.1
7,5°	131.8	131.0	130.3	129.6	129.1	128.8	128.5	128.3	128.2	128.2	128.3	4.9	10.0
10,0°	131.5	130.3	129.1	128.1	127.2	126.2	125.5	124.9	124.5	124.3	124.2	6.6	16.6
12,5°	131.4	129.5	127.7	125.8	124.0	122.3	120.8	119.8	119.0	118.7	118.6	8.2	24.8
15,0°	130.7	128.0	125.0	122.1	119.1	116.5	114.1	112.4	111.0	110.3	110.3	9.9	34.7
17,5°	129.1	125.2	120.8	116.3	112.2	108.6	105.8	103.5	102.0	101.3	101.1	11.5	46.3
20,0°	126.3	120.5	114.3	108.8	104.0	100.2	97.3	95.4	94.0	93.5	93.3	13.1	59.4
22,5°	121.4	113.6	106.2	100.2	95.7	92.8	90.8	89.7	89.2	89.0	89.0	14.7	74.0
25,0°	114.9	105.5	98.0	92.9	89.8	88.3	87.6	87.5	87.6	87.6	87.6	16.2	90.2
27,5°	107.4	97.6	91.2	88.0	86.9	86.6	86.8	87.0	87.2	87.2	87.1	17.7	108.0
30,0°	100.1	91.3	87.0	86.1	85.9	86.1	86.8	87.2	87.6	87.4	87.3	19.4	127.4
32,5°	93.2	86.8	85.7	85.6	85.8	86.4	87.3	88.1	88.3	87.8	87.4	21.3	148.6
35,0°	88.3	85.3	85.4	85.5	85.8	86.7	87.6	88.4	88.5	87.8	87.3	23.2	171.8
37,5°	85.6	85.4	85.4	85.2	85.7	86.4	87.0	87.1	86.9	85.7	85.1	25.3	197.1
40,0°	85.4	86.0	85.2	84.9	84.9	84.8	84.7	84.1	83.3	82.0	81.3	27.4	224.5
42,5°	86.2	86.1	84.9	83.9	82.9	81.8	80.9	79.7	78.4	76.9	76.2	29.8	254.3
45,0°	87.3	85.8	83.7	81.4	79.3	77.3	75.5	73.8	72.6	71.4	70.7	32.4	286.7
47,5°	88.5	85.9	81.6	78.1	75.0	72.9	70.9	69.0	67.3	66.1	65.6	35.7	322.4
50,0°	90.2	87.4	78.8	73.8	70.7	68.5	66.4	64.6	63.1	61.9	61.3	39.7	362.0
52,5°	91.2	86.9	76.0	69.8	66.5	64.3	62.1	60.3	58.9	57.9	57.3	44.2	406.2
55,0°	88.2	84.9	73.7	66.0	62.3	59.8	57.7	56.0	54.9	53.9	53.5	49.2	455.4
57,5°	82.7	83.5	70.2	61.5	57.5	55.2	53.4	51.9	50.9	49.8	49.5	54.7	510.1
60,0°	74.5	79.5	66.2	57.4	53.0	50.5	48.9	47.5	46.4	45.2	44.7	59.6	569.7
62,5°	65.9	71.2	61.9	53.2	48.7	46.0	44.3	43.0	42.0	41.0	40.5	63.2	632.9
65,0°	58.6	60.2	56.3	48.6	44.4	41.7	40.1	39.6	37.7	36.7	36.1	65.9	698.8
67,5°	52.4	49.8	48.8	43.1	39.4	37.0	35.2	34.6	32.9	32.6	32.1	66.8	765.6
70,0°	45.6	41.6	41.6	37.7	34.3	32.0	30.5	29.9	28.1	27.9	27.7	66.4	832.0
72,5°	39.0	34.7	34.0	32.1	29.2	27.1	25.4	24.8	23.4	22.6	22.5	62.2	894.2
75,0°	32.3	28.3	27.2	26.3	24.5	22.5	20.7	19.9	18.8	18.0	18.0	48.3	942.4
77,5°	25.0	22.1	20.8	20.4	19.1	17.4	15.9	15.0	14.2	13.6	13.6	29.2	971.7
80,0°	18.8	16.3	15.2	15.1	14.1	12.6	11.4	10.8	10.0	9.9	9.8	15.8	987.5
82,5°	13.1	11.3	9.8	10.1	9.4	8.7	7.4	6.8	6.2	6.2	6.3	8.6	996.1
85,0°	7.9	6.7	5.7	5.5	5.4	5.1	4.4	4.0	3.5	3.5	3.4	3.2	999.3
87,5°	3.0	2.7	2.5	2.3	2.1	2.1	1.8	1.7	1.5	1.5	1.4	0.7	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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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248A21F08GE EAN: 4058352802014	LP-Nummer 59405_7
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	4440	35.2	36.4	35.8
95	241	252	4213	33.0	34.3	33.6
90	229	250	4003	31.2	32.3	31.8
85	216	248	3776	29.2	30.3	29.8
80	203	246	3549	27.3	28.3	27.8
75	190	243	3321	25.4	26.3	25.8
70	178	241	3111	23.7	24.4	24.0
65	165	238	2884	21.8	22.6	22.2
60	152	235	2657	20.0	20.7	20.4
55	140	232	2447	18.4	19.0	18.7
50	127	229	2220	16.6	17.2	16.9
45	114	225	1993	15.0	15.4	15.2
40	102	221	1783	13.4	13.9	13.6
35	89	216	1556	11.8	12.2	12.0
30	76	210	1329	10.2	10.5	10.4
25	63	203	1101	8.7	9.0	8.8
20	51	195	891	7.3	7.5	7.4
15	38	184	664	5.8	6.0	5.9
11	27	172	472	4.6	4.6	4.6