

Lichttechnischer Prüfbefund

Familie
DL® 50 mini LED



Bestell-Nr.: 5XA248A21F08FE
EAN: 4058352801994

LP-Nummer
59405_62

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 = 2500 lm
 Systemleistung = 18.9 W
 Lichtausbeute = 132.3 lm/W

Seriendokumentation
16.05.2023

siteco

Lichtstärke in cd/klm

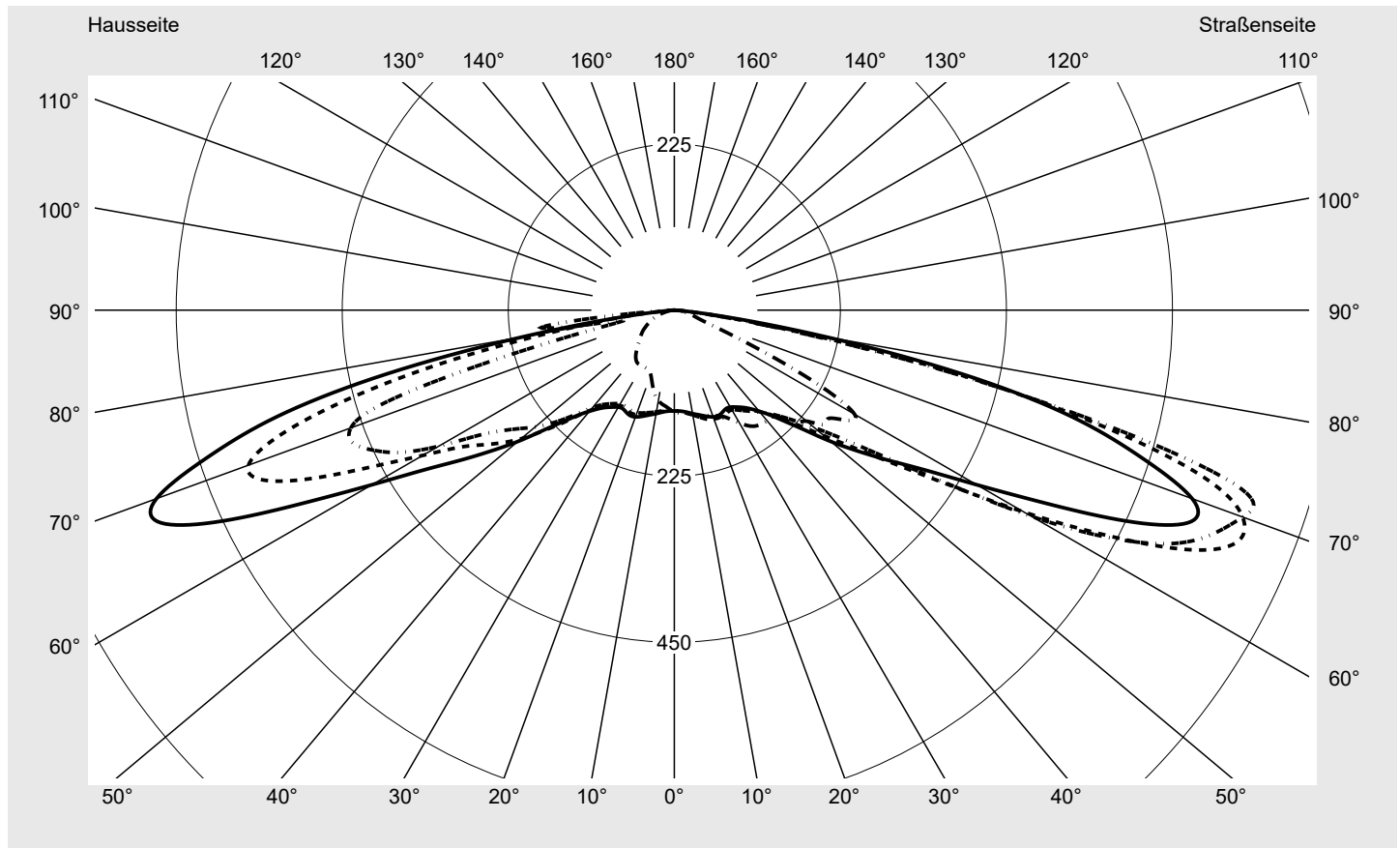
C180-0

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

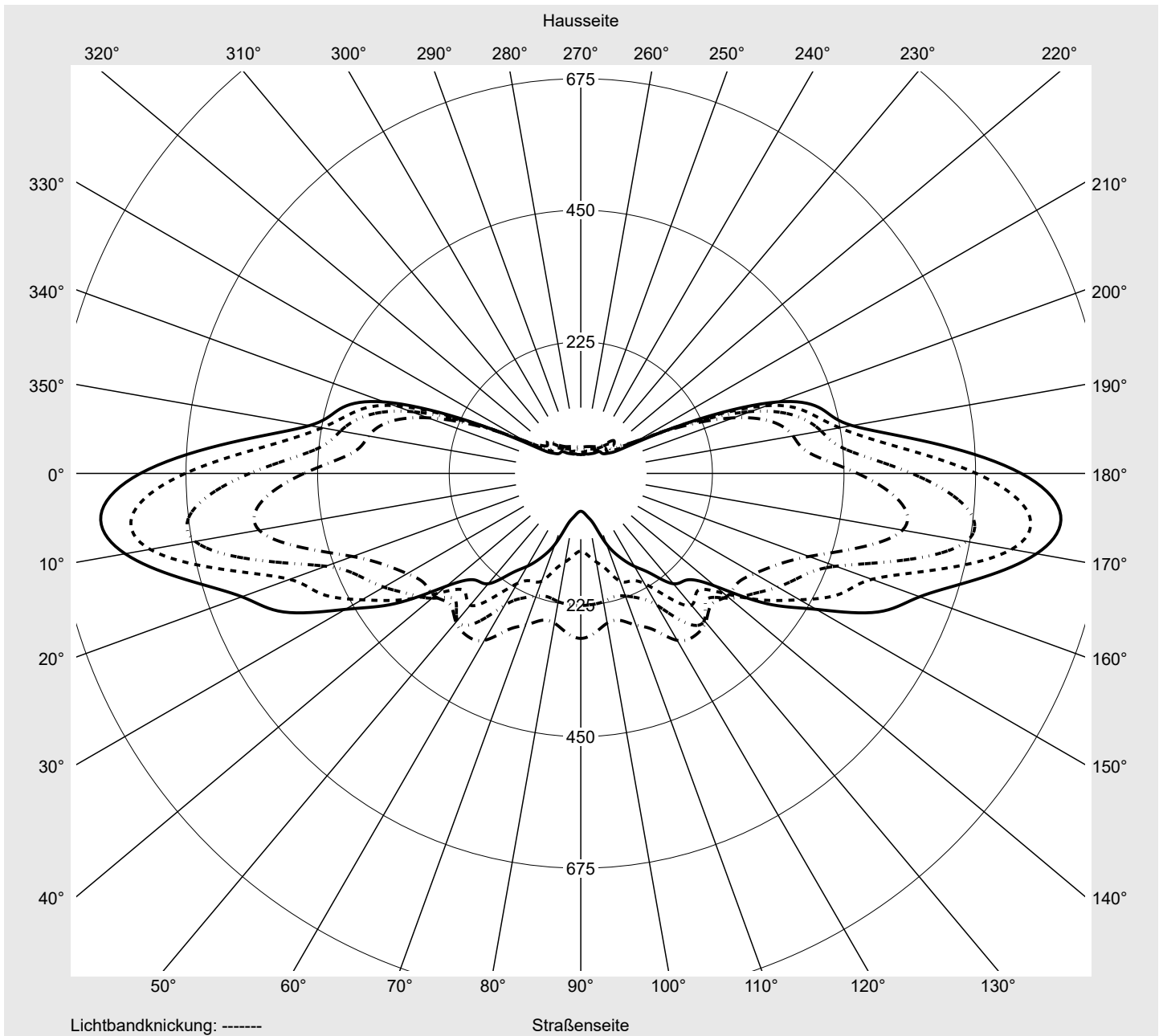
Messbedingungen

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.: 5XA248A21F08FE EAN: 4058352801994	LP-Nummer 59405_62
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.: 5XA248A21F08FE EAN: 4058352801994	LP-Nummer 59405_62
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	2500	18.9	19.4	19.2
95	241	252	2372	17.9	18.3	18.1
90	229	250	2254	17.0	17.4	17.2
85	216	248	2126	16.0	16.4	16.2
80	203	246	1998	15.0	15.4	15.2
75	190	243	1870	14.0	14.4	14.2
70	178	241	1752	13.1	13.4	13.2
65	165	238	1624	12.2	12.5	12.4
60	152	235	1496	11.3	11.5	11.4
55	140	232	1378	10.4	10.7	10.6
50	127	229	1250	9.5	9.7	9.6
45	114	225	1122	8.6	8.8	8.7
40	102	221	1004	7.8	8.0	7.9
35	89	216	876	6.9	7.1	7.0
30	76	210	748	6.1	6.3	6.2
25	63	203	620	5.3	5.4	5.4
20	51	195	502	4.6	4.7	4.6
18	45	191	443	4.2	4.3	4.2