

Lichttechnischer Prüfbefund

Familie
DL® 50 mini LED

Bestell-Nr.: 5XA248V31F08LE
EAN: 4058352803875

LP-Nummer
59397_24



Ausführung	Seil-Montage
Optik	direkt, symmetrisch breit strahlend S080001
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 10390 lm Systemleistung = 67.4 W Lichtausbeute = 154.2 lm/W

Seriendokumentation
03.04.2023

siteco

Lichtstärke in cd/klm

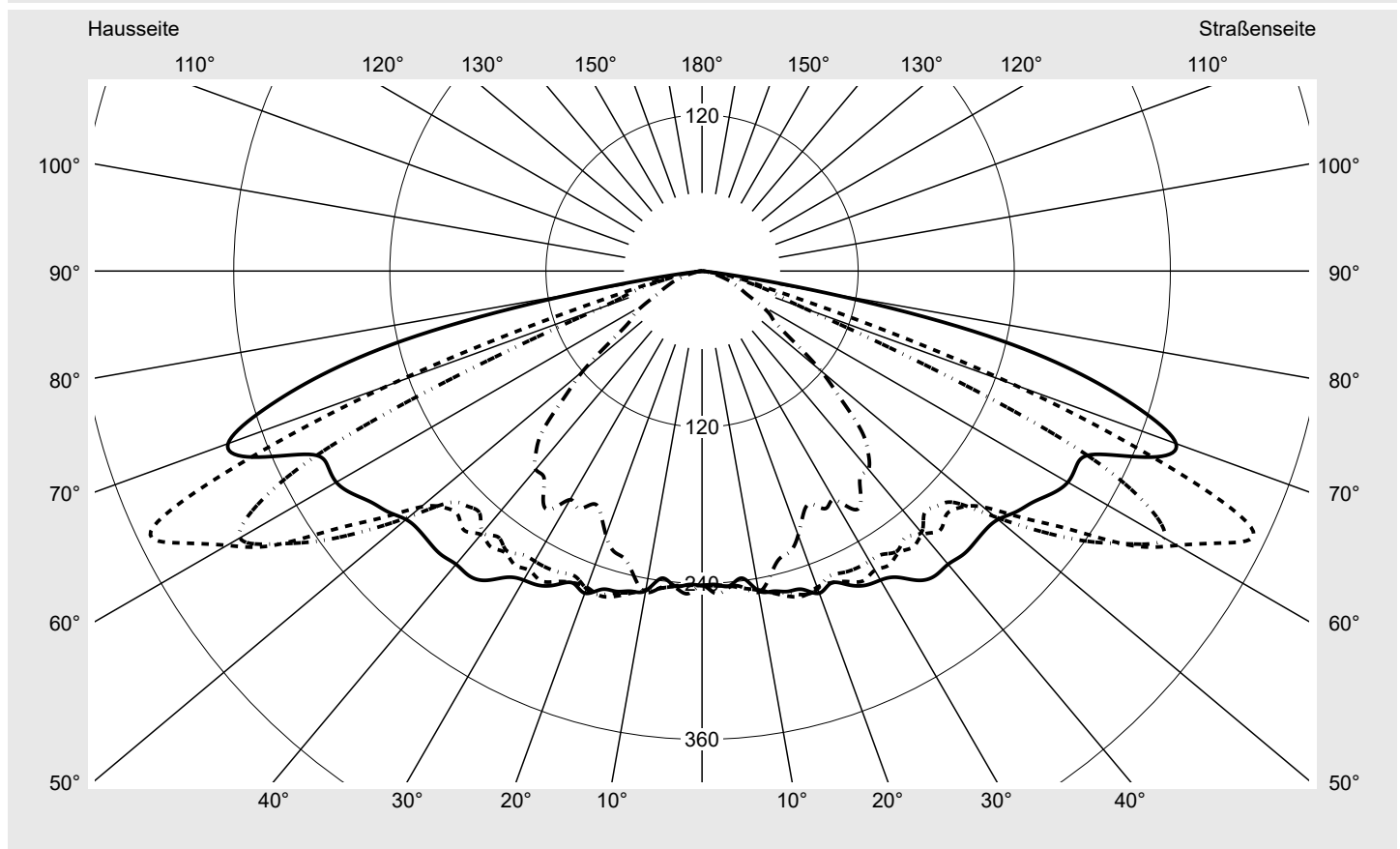
C180-0

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

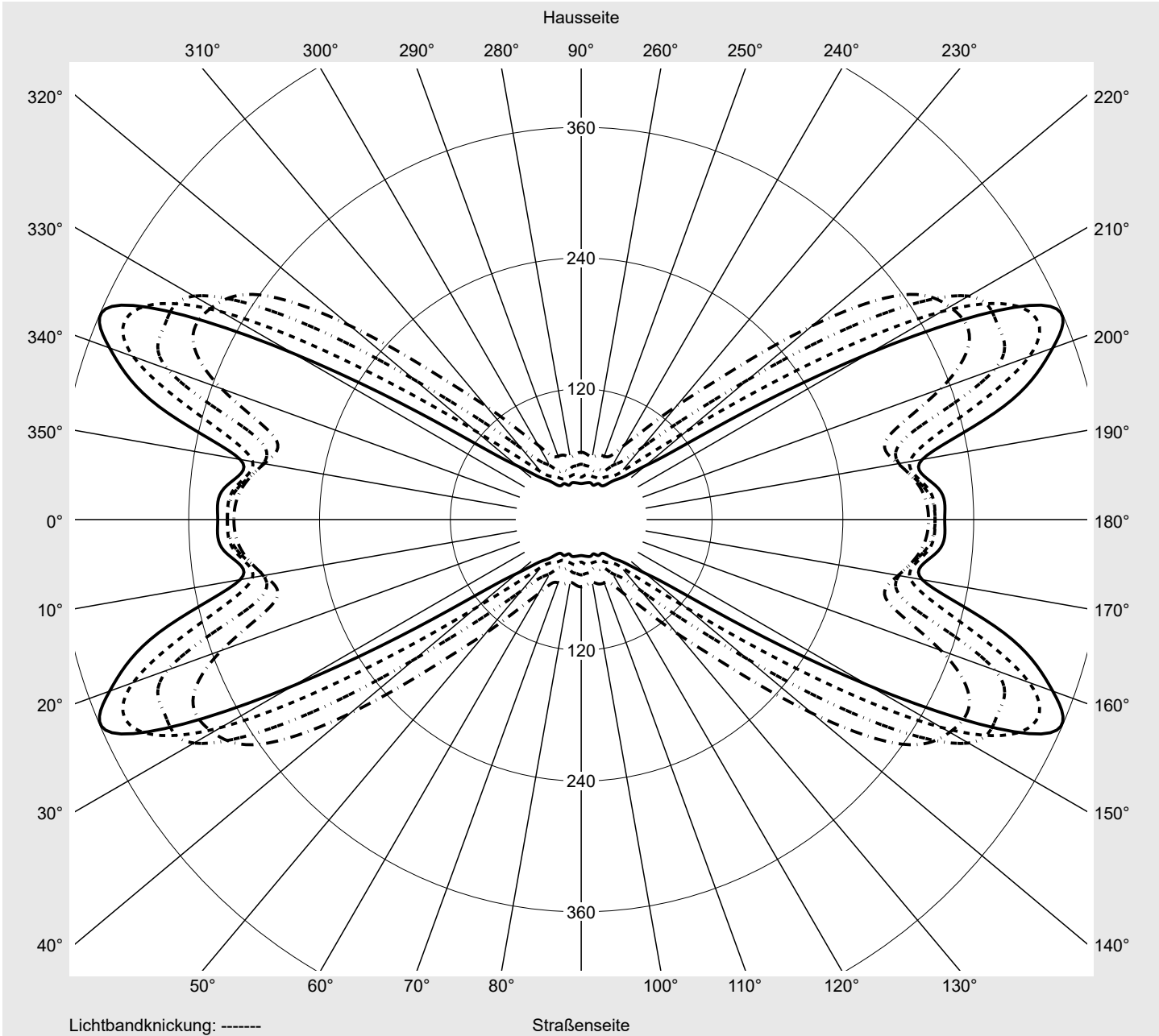
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 65°** **KMK 62,5°** **KMK 60°** **KMK 57,5°** **siteco**



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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248V31F08LE EAN: 4058352803875	LP-Nummer 59397_24
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°	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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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248V31F08LE EAN: 4058352803875	LP-Nummer 59397_24
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°	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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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248V31F08LE EAN: 4058352803875	LP-Nummer 59397_24
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°	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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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248V31F08LE EAN: 4058352803875	LP-Nummer 59397_24
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	10390	67.4	70.2	68.8
95	241	252	9858	63.1	65.8	64.4
90	229	250	9367	59.4	61.8	60.6
85	216	248	8836	55.4	57.6	56.5
80	203	246	8304	51.5	53.6	52.6
75	190	243	7772	47.7	49.6	48.7
70	178	241	7281	44.4	46.1	45.2
65	165	238	6749	40.8	42.4	41.6
60	152	235	6218	37.2	38.7	38.0
55	140	232	5727	34.1	35.5	34.8
50	127	229	5195	30.8	31.9	31.4
45	114	225	4663	27.5	28.6	28.0
40	102	221	4172	24.7	25.5	25.1
35	89	216	3641	21.4	22.2	21.8
30	76	210	3109	18.4	19.1	18.8
25	63	203	2577	15.5	16.0	15.8
20	51	195	2086	12.9	13.3	13.1
15	38	184	1554	10.1	10.4	10.2
11	27	172	1104	7.8	7.9	7.8