

Lichttechnischer Prüfbefund

Familie
DL® 50 mini LED

Bestell-Nr.: 5XA248U31F08GE
EAN: 4058352803783

LP-Nummer
59408_8



Ausführung	Seil-Montage
Optik	symmetrisch, extrem breit strahlend (P1.0s)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 5030 lm Systemleistung = 32.7 W Lichtausbeute = 153.8 lm/W

Seriendokumentation
03.04.2023

siteco

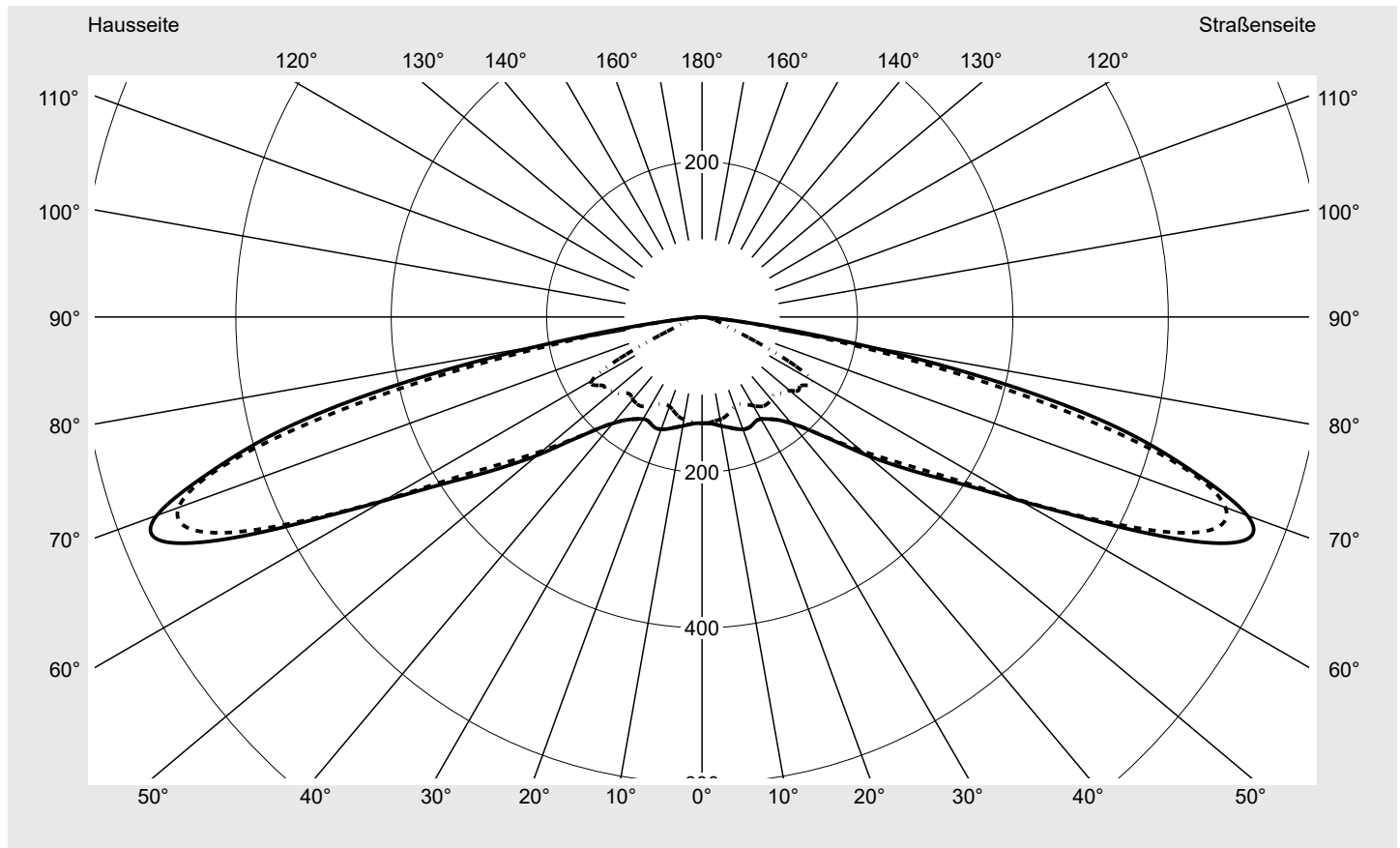
Lichtstärke in cd/klm

C180-0

C185-5

C270-90

Imax: 753 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	---
Imax 70°	746.8
Imax 80°	208.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Messbedingungen

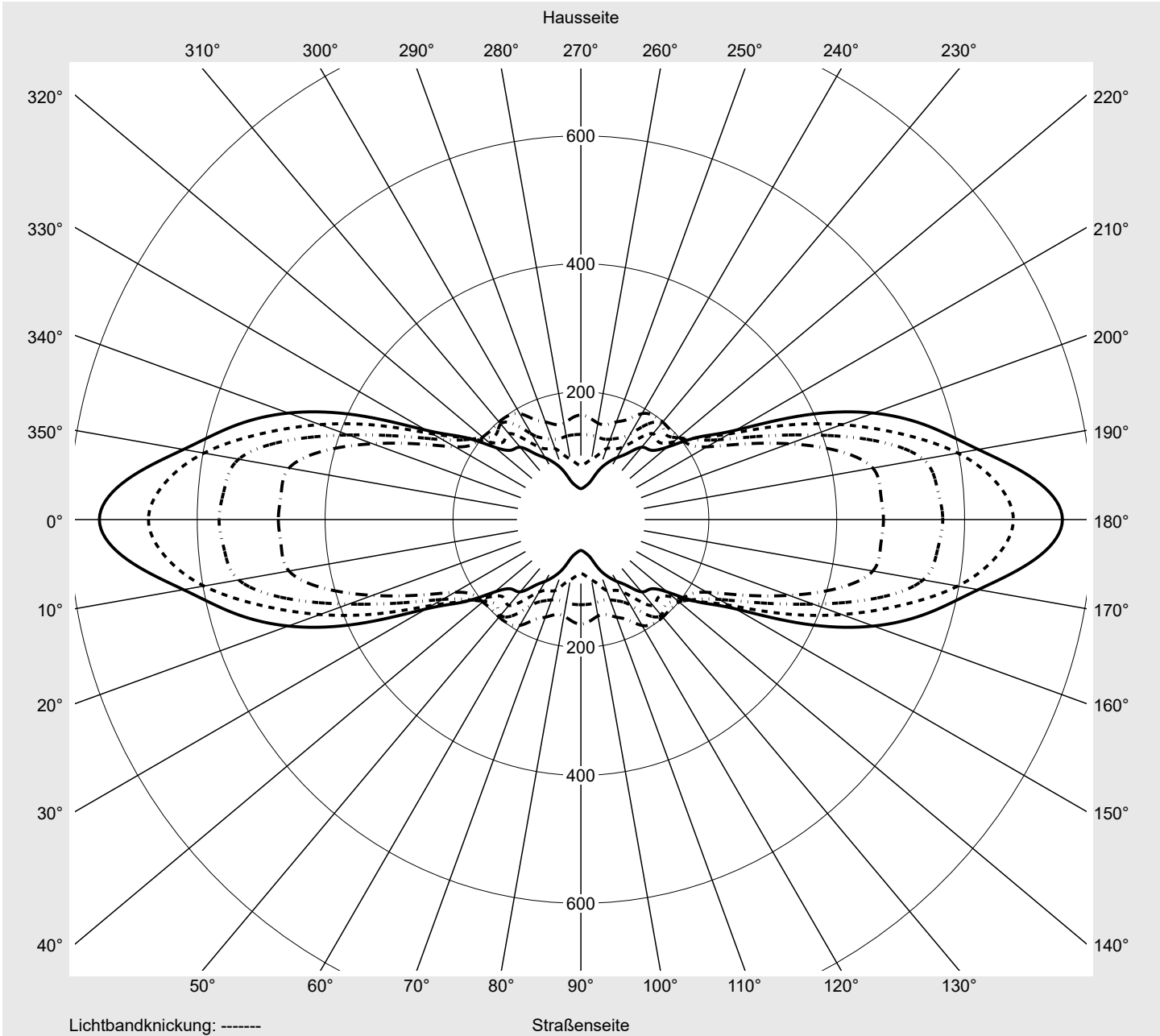
DIN EN 13032 und DIN 5032

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



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Familie DL® 50 mini LED	Bestell-Nr.: 5XA248U31F08GE EAN: 4058352803783	LP-Nummer 59408_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°	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	136.8	136.7	136.6	136.6	136.5	136.4	136.4	136.3	136.2	136.2	136.3	136.3
5,0°	137.8	137.8	137.7	137.6	137.3	137.1	136.9	136.7	136.4	136.2	135.9	135.8	135.6
7,5°	139.8	139.7	139.6	139.3	139.0	138.6	138.1	137.6	137.1	136.6	136.0	135.5	135.2
10,0°	142.4	142.3	142.1	141.8	141.3	140.7	139.9	139.0	138.2	137.4	136.6	136.0	135.4
12,5°	145.0	144.9	144.9	144.6	144.0	143.1	142.0	141.0	139.9	138.9	138.0	137.1	136.1
15,0°	147.9	147.9	147.8	147.6	146.9	146.0	144.6	143.3	142.1	140.9	139.4	137.7	135.9
17,5°	151.1	151.0	150.9	150.5	149.7	148.4	147.0	145.5	143.9	142.0	139.6	137.1	134.6
20,0°	153.9	153.6	153.3	152.8	151.8	150.3	148.7	146.9	144.7	141.8	138.5	135.3	132.3
22,5°	154.9	154.6	154.4	154.3	153.5	152.2	150.3	147.8	144.4	140.3	136.3	132.9	130.5
25,0°	153.2	153.0	153.3	153.8	153.7	153.0	151.3	147.9	143.1	138.2	134.4	131.7	130.3
27,5°	150.8	150.7	151.1	151.8	151.9	151.6	150.1	146.1	140.7	136.2	133.2	132.2	132.1
30,0°	151.7	151.5	151.4	151.1	150.4	149.4	147.3	143.0	138.4	135.0	133.8	134.3	135.6
32,5°	155.7	155.7	155.3	154.4	152.0	148.1	143.0	138.4	136.1	135.3	136.3	137.9	140.3
35,0°	160.9	160.9	160.7	159.5	155.8	149.7	140.0	133.8	133.8	137.4	139.2	141.3	144.9
37,5°	168.2	168.0	167.3	165.4	160.6	151.5	140.6	131.7	131.8	138.4	141.2	144.2	149.6
40,0°	178.8	178.4	176.5	172.6	165.3	153.2	141.8	134.1	131.7	137.9	143.1	148.7	156.3
42,5°	193.1	193.0	188.8	181.4	170.7	154.1	143.3	138.2	135.9	137.4	146.9	154.7	163.5
45,0°	213.9	213.4	205.4	192.1	177.7	155.5	144.3	144.0	143.2	139.2	152.2	161.7	169.7
47,5°	241.1	237.9	224.7	205.5	187.2	159.3	145.5	150.9	152.4	145.3	158.6	169.0	175.9
50,0°	276.9	267.9	247.1	223.7	201.1	168.9	152.2	159.3	164.0	157.3	167.0	178.6	187.4
52,5°	313.8	300.5	274.3	247.8	221.9	186.7	165.3	170.4	176.2	170.3	178.6	191.6	197.3
55,0°	355.0	340.0	314.4	286.3	255.4	215.9	184.7	182.7	185.2	183.5	192.5	197.2	196.6
57,5°	403.4	392.8	375.5	343.0	299.2	249.2	205.7	192.3	192.0	196.7	199.6	198.7	202.6
60,0°	473.2	470.5	463.5	415.6	346.6	279.7	227.5	205.4	200.5	198.0	199.1	198.2	191.3
62,5°	565.9	559.4	543.4	476.4	386.6	308.0	249.7	218.0	199.0	187.9	195.1	182.4	154.4
65,0°	676.3	653.1	598.5	518.1	434.1	347.8	268.1	223.4	188.7	171.7	175.2	152.9	130.9
67,5°	753.0	712.8	631.1	563.3	486.9	386.3	279.4	224.9	176.1	153.6	147.5	126.2	111.4
70,0°	746.8	716.8	643.1	602.3	527.7	416.1	299.5	231.4	170.1	135.7	115.8	98.1	78.1
72,5°	663.4	654.5	602.9	602.5	529.4	421.8	300.0	218.8	160.0	108.4	80.4	61.7	43.7
75,0°	557.3	517.0	414.7	459.4	449.9	351.7	221.8	153.2	107.1	74.1	51.1	37.0	31.2
77,5°	399.1	337.2	222.8	267.3	286.2	197.9	122.6	63.7	46.9	45.7	30.4	24.9	22.1
80,0°	208.9	164.5	127.8	153.2	128.9	103.8	58.2	34.7	29.8	29.5	19.5	16.7	15.1
82,5°	73.2	65.9	118.9	92.4	55.6	49.1	31.4	20.2	16.8	15.8	11.1	9.9	9.4
85,0°	14.5	14.8	46.8	36.5	20.1	16.0	11.0	8.4	7.2	6.4	5.7	5.2	4.7
87,5°	3.5	3.6	4.4	4.0	3.6	3.8	3.3	2.8	2.6	2.3	2.1	1.9	1.7
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°	136.4	136.6	136.6	136.8	137.0	137.0	136.8	136.7	136.6	136.6	136.5	136.4	136.4
5,0°	135.5	135.5	135.5	135.5	135.6	135.7	137.8	137.7	137.6	137.3	137.1	136.9	136.7
7,5°	134.9	134.6	134.5	134.5	134.6	134.6	139.7	139.6	139.3	139.0	138.6	138.1	137.6
10,0°	134.9	134.5	134.1	134.0	133.9	133.9	142.3	142.1	141.8	141.3	140.7	139.9	139.0
12,5°	135.0	134.0	133.2	132.6	132.3	132.3	144.9	144.9	144.6	144.0	143.1	142.0	141.0
15,0°	134.2	132.6	131.1	130.0	129.3	129.2	147.9	147.8	147.6	146.9	146.0	144.6	143.3
17,5°	132.1	130.1	128.2	126.6	125.7	125.4	151.0	150.9	150.5	149.7	148.4	147.0	145.5
20,0°	129.8	127.7	125.7	123.9	122.9	122.5	153.6	153.3	152.8	151.8	150.3	148.7	146.9
22,5°	128.5	126.9	125.2	123.6	122.4	122.0	154.6	154.4	154.3	153.5	152.2	150.3	147.8
25,0°	129.5	128.5	127.2	125.7	124.1	123.5	153.0	153.3	153.8	153.7	153.0	151.3	147.9
27,5°	132.5	132.6	131.6	130.0	128.3	127.1	150.7	151.1	151.8	151.9	151.6	150.1	146.1
30,0°	137.3	138.4	138.3	136.6	133.4	131.8	151.5	151.4	151.1	150.4	149.4	147.3	143.0
32,5°	143.4	145.6	146.3	143.6	139.0	136.5	155.7	155.3	154.4	152.0	148.1	143.0	138.4
35,0°	148.9	152.9	154.5	150.6	143.4	139.5	160.9	160.7	159.5	155.8	149.7	140.0	133.8
37,5°	156.8	161.5	161.6	155.8	145.5	139.7	168.0	167.3	165.4	160.6	151.5	140.6	131.7
40,0°	165.1	168.1	166.4	159.2	146.0	138.5	178.4	176.5	172.6	165.3	153.2	141.8	134.1
42,5°	170.9	172.7	169.1	161.0	145.4	136.2	193.0	188.8	181.4	170.7	154.1	143.3	138.2
45,0°	175.3	175.6	171.1	162.7	149.0	138.6	213.4	205.4	192.1	177.7	155.5	144.3	144.0
47,5°	182.5	182.8	179.7	171.0	155.6	145.3	237.9	224.7	205.5	187.2	159.3	145.5	150.9
50,0°	195.3	196.8	187.5	176.2	157.2	147.7	267.9	247.1	223.7	201.1	168.9	152.2	159.3
52,5°	198.7	196.7	193.4	184.1	166.9	155.8	300.5	274.3	247.8	221.9	186.7	165.3	170.4
55,0°	201.8	207.3	195.9	181.0	167.6	154.6	340.0	314.4	286.3	255.4	215.9	184.7	182.7
57,5°	210.6	192.3	182.1	174.1	170.4	163.5	392.8	375.5	343.0	299.2	249.2	205.7	192.3
60,0°	172.8	162.5	153.8	153.1	159.5	163.4	470.5	463.5	415.6	346.6	279.7	227.5	205.4
62,5°	140.6	133.7	130.8	132.3	133.0	133.1	559.4	543.4	476.4	386.6	308.0	249.7	218.0
65,0°	122.2	118.1	104.8	95.8	88.7	84.4	653.1	598.5	518.1	434.1	347.8	268.1	223.4
67,5°	97.6	82.0	63.7	55.0	50.4	48.4	712.8	631.1	563.3	486.9	386.3	279.4	224.9
70,0°	58.2	46.7	41.0	35.5	33.7	33.2	716.8	643.1	602.3	527.7	416.1	299.5	231.4
72,5°	35.6	32.9	31.0	27.8	26.5	26.2	654.5	602.9	602.5	529.4	421.8	300.0	218.8
75,0°	28.3	26.0	24.7	23.1	21.3	21.0	517.0	414.7	459.4	449.9	351.7	221.8	153.2
77,5°	20.7	19.1	18.1	16.9	16.0	15.9	337.2	222.8	267.3	286.2	197.9	122.6	63.7
80,0°	14.6	13.3	12.5	11.4	11.1	11.0	164.5	127.8	153.2	128.9	103.8	58.2	34.7
82,5°	8.9	7.7	7.0	6.3	6.1	6.1	65.9	118.9	92.4	55.6	49.1	31.4	20.2
85,0°	4.3	3.9	3.5	3.2	3.0	2.9	14.8	46.8	36.5	20.1	16.0	11.0	8.4
87,5°	1.6	1.5	1.4	1.3	1.2	1.2	3.6	4.4	4.0	3.6	3.8	3.3	2.8
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.: 5XA248U31F08GE EAN: 4058352803783	LP-Nummer 59408_8
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°	136.3	136.2	136.2	136.3	136.3	136.4	136.6	136.6	136.8	137.0	137.0	1.6	1.8
5,0°	136.4	136.2	135.9	135.8	135.6	135.5	135.5	135.5	135.5	135.6	135.7	3.3	5.1
7,5°	137.1	136.6	136.0	135.5	135.2	134.9	134.6	134.5	134.5	134.6	134.6	4.9	10.0
10,0°	138.2	137.4	136.6	136.0	135.4	134.9	134.5	134.1	134.0	133.9	133.9	6.6	16.6
12,5°	139.9	138.9	138.0	137.1	136.1	135.0	134.0	133.2	132.6	132.3	132.3	8.2	24.8
15,0°	142.1	140.9	139.4	137.7	135.9	134.2	132.6	131.1	130.0	129.3	129.2	9.9	34.7
17,5°	143.9	142.0	139.6	137.1	134.6	132.1	130.1	128.2	126.6	125.7	125.4	11.5	46.3
20,0°	144.7	141.8	138.5	135.3	132.3	129.8	127.7	125.7	123.9	122.9	122.5	13.1	59.4
22,5°	144.4	140.3	136.3	132.9	130.5	128.5	126.9	125.2	123.6	122.4	122.0	14.7	74.0
25,0°	143.1	138.2	134.4	131.7	130.3	129.5	128.5	127.2	125.7	124.1	123.5	16.2	90.2
27,5°	140.7	136.2	133.2	132.2	132.1	132.5	132.6	131.6	130.0	128.3	127.1	17.7	108.0
30,0°	138.4	135.0	133.8	134.3	135.6	137.3	138.4	138.3	136.6	133.4	131.8	19.4	127.4
32,5°	136.1	135.3	136.3	137.9	140.3	143.4	145.6	146.3	143.6	139.0	136.5	21.3	148.6
35,0°	133.8	137.4	139.2	141.3	144.9	148.9	152.9	154.5	150.6	143.4	139.5	23.2	171.8
37,5°	131.8	138.4	141.2	144.2	149.6	156.8	161.5	161.6	155.8	145.5	139.7	25.3	197.1
40,0°	131.7	137.9	143.1	148.7	156.3	165.1	168.1	166.4	159.2	146.0	138.5	27.4	224.5
42,5°	135.9	137.4	146.9	154.7	163.5	170.9	172.7	169.1	161.0	145.4	136.2	29.8	254.3
45,0°	143.2	139.2	152.2	161.7	169.7	175.3	175.6	171.1	162.7	149.0	138.6	32.4	286.7
47,5°	152.4	145.3	158.6	169.0	175.9	182.5	182.8	179.7	171.0	155.6	145.3	35.7	322.4
50,0°	164.0	157.3	167.0	178.6	187.4	195.3	196.8	187.5	176.2	157.2	147.7	39.7	362.0
52,5°	176.2	170.3	178.6	191.6	197.3	198.7	196.7	193.4	184.1	166.9	155.8	44.2	406.2
55,0°	185.2	183.5	192.5	197.2	196.6	201.8	207.3	195.9	181.0	167.6	154.6	49.2	455.4
57,5°	192.0	196.7	199.6	198.7	202.6	210.6	192.3	182.1	174.1	170.4	163.5	54.7	510.1
60,0°	200.5	198.0	199.1	198.2	191.3	172.8	162.5	153.8	153.1	159.5	163.4	59.6	569.7
62,5°	199.0	187.9	195.1	182.4	154.4	140.6	133.7	130.8	132.3	133.0	133.1	63.2	632.9
65,0°	188.7	171.7	175.2	152.9	130.9	122.2	118.1	104.8	95.8	88.7	84.4	65.9	698.8
67,5°	176.1	153.6	147.5	126.2	111.4	97.6	82.0	63.7	55.0	50.4	48.4	66.8	765.6
70,0°	170.1	135.7	115.8	98.1	78.1	58.2	46.7	41.0	35.5	33.7	33.2	66.4	832.0
72,5°	160.0	108.4	80.4	61.7	43.7	35.6	32.9	31.0	27.8	26.5	26.2	62.2	894.2
75,0°	107.1	74.1	51.1	37.0	31.2	28.3	26.0	24.7	23.1	21.3	21.0	48.3	942.4
77,5°	46.9	45.7	30.4	24.9	22.1	20.7	19.1	18.1	16.9	16.0	15.9	29.2	971.7
80,0°	29.8	29.5	19.5	16.7	15.1	14.6	13.3	12.5	11.4	11.1	11.0	15.8	987.5
82,5°	16.8	15.8	11.1	9.9	9.4	8.9	7.7	7.0	6.3	6.1	6.1	8.6	996.1
85,0°	7.2	6.4	5.7	5.2	4.7	4.3	3.9	3.5	3.2	3.0	2.9	3.2	999.3
87,5°	2.6	2.3	2.1	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.2	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.: 5XA248U31F08GE EAN: 4058352803783	LP-Nummer 59408_8
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	5030	32.7	33.7	33.2
95	241	252	4773	30.8	31.7	31.2
90	229	250	4535	29.1	30.0	29.6
85	216	248	4277	27.3	28.1	27.7
80	203	246	4020	25.5	26.3	25.9
75	190	243	3763	23.7	24.3	24.0
70	178	241	3525	22.1	22.8	22.5
65	165	238	3268	20.4	21.0	20.7
60	152	235	3010	18.8	19.3	19.0
55	140	232	2772	17.2	17.7	17.4
50	127	229	2515	15.7	16.1	15.9
45	114	225	2258	14.1	14.5	14.3
40	102	221	2020	12.7	13.0	12.8
35	89	216	1762	11.2	11.5	11.4
30	76	210	1505	9.7	9.9	9.8
25	63	203	1248	8.2	8.4	8.3
20	51	195	1010	7.0	7.1	7.0
15	38	184	753	5.6	5.7	5.6
11	28	173	554	4.5	4.6	4.6