

Lichttechnischer Prüfbefund

Familie
DL® 50 mini LED

Bestell-Nr.: 5XA248C41F08FE
EAN: 4058352802557

LP-Nummer
59081_1121



Ausführung	Mastansatz- / Mastaufsatzmontage
Optik	asymmetrisch, breit strahlend (ST0.8a)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 2690 lm Systemleistung = 15.7 W Lichtausbeute = 171.3 lm/W

Seriendokumentation
16.05.2023

siteco

Lichtstärke in cd/klm

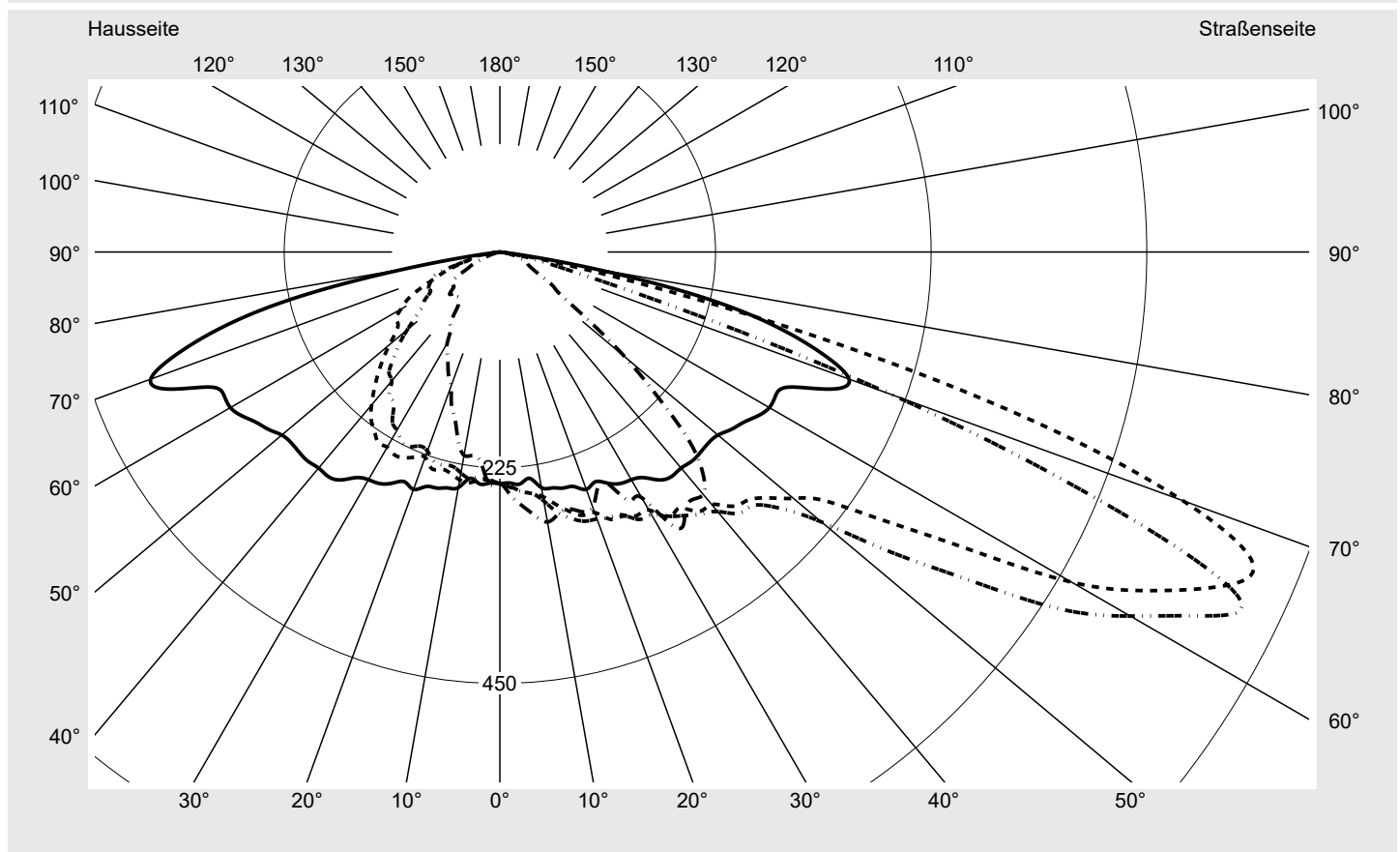
C180-0

C200-20

C205-25

C270-90

Imax: 851 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	826.1
Imax 80°	99.6
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.: 5XA248C41F08FE EAN: 4058352802557	LP-Nummer 59081_1121
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	242.0	242.3	244.6	244.8	245.6	247.5	249.2	247.9	248.6	249.4	249.4	252.1
5,0°	242.8	244.4	246.4	248.5	250.4	250.4	252.4	251.7	252.9	252.6	256.1	257.1	257.8
7,5°	238.1	244.7	246.4	249.3	254.1	253.8	256.3	259.1	262.2	263.1	264.0	270.2	274.3
10,0°	249.5	250.2	252.0	252.1	259.2	263.7	267.3	266.8	269.8	277.2	281.7	280.5	280.0
12,5°	252.1	255.9	263.4	267.0	269.7	278.2	283.8	288.0	292.2	295.4	292.5	284.3	282.5
15,0°	254.9	259.7	266.2	274.9	280.0	287.7	293.3	298.3	295.3	290.9	287.2	283.7	284.2
17,5°	256.6	260.1	271.3	284.8	287.9	294.5	301.9	294.7	290.2	290.7	291.7	283.4	285.5
20,0°	263.5	268.8	274.7	282.1	289.2	296.3	303.4	296.5	296.4	293.4	288.7	286.4	289.0
22,5°	259.6	274.8	287.3	297.4	301.8	299.5	298.4	305.1	306.8	304.8	295.9	292.1	289.5
25,0°	266.1	276.1	285.1	300.8	304.0	302.6	304.5	311.0	310.2	300.7	297.4	287.1	288.5
27,5°	272.3	279.3	296.0	304.9	309.9	314.4	317.9	310.6	307.7	310.4	295.7	288.2	284.2
30,0°	274.3	289.2	300.3	316.6	310.7	316.6	319.9	318.9	312.8	302.3	293.0	291.8	303.0
32,5°	279.1	301.8	308.2	311.8	328.0	326.7	325.8	322.5	315.6	310.9	310.7	313.2	326.1
35,0°	290.3	306.6	313.9	321.4	326.3	335.7	340.7	328.4	326.0	321.2	325.3	345.8	350.0
37,5°	294.9	312.8	318.0	328.7	341.1	344.6	341.9	346.7	346.5	347.6	362.9	374.3	375.4
40,0°	294.3	313.3	322.6	331.9	343.9	353.4	365.0	349.2	364.3	390.5	399.4	410.7	406.8
42,5°	296.2	309.6	325.7	338.2	359.7	369.6	367.0	368.1	396.6	441.2	445.2	430.6	422.9
45,0°	295.8	310.9	331.9	350.3	366.0	373.9	386.4	416.1	448.0	481.0	472.9	440.8	413.9
47,5°	295.0	309.3	335.6	359.3	379.7	395.4	417.5	470.9	503.3	514.4	478.4	422.0	378.4
50,0°	297.1	314.5	341.4	367.3	399.9	438.3	493.0	538.5	552.9	521.1	455.9	389.4	328.3
52,5°	304.1	328.9	343.7	368.4	425.7	514.1	577.6	608.3	578.7	500.9	416.3	327.5	253.0
55,0°	310.1	333.9	356.5	394.4	487.6	595.7	651.0	646.3	561.3	455.6	325.0	237.0	181.1
57,5°	318.6	348.3	372.4	430.0	573.5	693.1	711.4	657.9	500.3	322.7	213.2	147.1	101.6
60,0°	324.7	361.8	392.8	503.4	688.8	759.6	755.3	579.5	348.8	203.5	120.8	83.4	65.9
62,5°	324.4	382.8	438.5	601.3	765.0	821.8	701.7	408.6	209.8	117.2	71.5	56.9	47.8
65,0°	333.4	399.5	475.5	706.3	826.4	849.8	548.2	221.0	113.1	76.8	55.7	41.0	36.7
67,5°	373.8	437.3	568.4	809.1	850.8	678.6	279.2	107.7	74.5	62.1	43.2	32.6	31.2
70,0°	387.7	464.2	653.7	826.1	758.4	435.7	109.8	75.1	59.5	49.6	33.2	30.6	30.4
72,5°	352.6	441.9	676.5	725.8	577.5	196.6	70.4	55.5	45.7	39.8	29.7	22.8	23.7
75,0°	295.8	412.3	568.9	514.5	344.7	80.9	53.8	39.8	29.9	31.3	23.0	17.7	16.7
77,5°	213.1	276.5	324.1	259.9	142.0	43.1	29.2	20.9	19.0	22.5	18.6	15.0	14.8
80,0°	96.9	99.6	98.7	79.6	43.8	20.2	12.7	11.1	13.4	14.1	12.0	9.7	10.4
82,5°	18.6	21.9	19.9	11.4	8.2	6.5	5.2	5.0	6.6	7.4	7.2	5.6	6.1
85,0°	1.2	1.2	1.3	1.4	1.4	1.6	1.6	1.7	2.2	2.8	2.5	2.3	2.1
87,5°	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4
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°	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°	252.7	252.3	253.5	253.9	252.0	253.8	240.2	239.2	240.4	239.0	237.8	236.9	238.2
5,0°	261.6	262.9	262.6	262.5	264.1	265.6	242.6	240.6	238.7	238.3	235.4	234.3	235.6
7,5°	275.6	278.5	278.2	277.4	277.8	277.0	238.4	241.3	240.2	242.8	238.2	235.5	230.7
10,0°	284.8	286.5	285.3	284.2	283.5	286.0	246.7	248.1	242.7	241.4	234.0	230.9	226.1
12,5°	282.9	285.3	280.5	275.7	279.2	280.2	254.8	247.0	239.2	236.8	229.0	222.6	221.7
15,0°	281.8	277.5	277.9	279.4	277.7	277.4	244.7	239.6	238.4	234.6	230.0	219.2	214.8
17,5°	283.9	277.3	277.7	278.9	281.6	284.0	248.6	244.3	240.8	236.9	228.6	219.6	210.1
20,0°	284.6	279.3	279.5	278.5	278.6	283.3	250.4	244.8	243.7	227.9	221.0	216.4	210.3
22,5°	284.0	276.8	272.6	269.1	269.6	266.4	255.9	245.3	244.2	231.5	219.1	210.1	200.8
25,0°	275.9	270.8	271.0	266.2	274.3	266.8	255.1	246.9	247.0	236.8	224.1	207.1	197.3
27,5°	277.2	288.3	288.6	296.6	291.7	292.3	261.4	252.5	247.8	238.4	222.4	196.8	187.3
30,0°	300.5	303.6	307.8	308.9	315.5	295.9	263.4	249.0	247.9	235.1	214.7	195.0	180.4
32,5°	328.9	326.4	327.8	332.8	327.9	340.2	269.9	256.6	249.9	235.9	208.8	190.6	172.1
35,0°	351.6	348.3	339.6	342.2	331.1	336.2	268.3	256.9	245.4	228.0	192.6	183.8	161.7
37,5°	368.3	358.0	349.0	341.4	341.3	326.8	275.2	256.7	243.1	220.7	189.6	173.4	144.9
40,0°	386.9	376.4	360.5	348.9	343.2	330.2	273.0	257.9	233.4	208.2	175.4	159.5	133.5
42,5°	394.5	377.0	352.8	342.8	324.4	313.6	277.4	255.6	229.9	194.1	171.3	138.8	126.0
45,0°	373.7	341.2	311.2	287.0	275.0	280.3	269.7	257.0	221.7	179.7	156.7	124.5	119.8
47,5°	332.0	291.1	265.7	241.8	221.6	223.1	275.8	249.1	205.7	165.3	142.6	109.4	111.0
50,0°	269.1	232.1	206.2	184.4	172.7	170.4	273.8	244.3	195.3	150.3	126.0	94.7	101.4
52,5°	205.2	169.9	145.0	128.5	115.1	114.5	281.2	239.7	184.0	136.5	110.2	80.3	85.7
55,0°	131.1	105.8	91.9	86.1	80.5	76.4	280.3	234.7	170.5	129.9	97.7	73.5	69.5
57,5°	73.3	66.6	63.9	61.6	62.7	65.4	278.3	218.0	152.3	128.6	92.8	69.3	60.8
60,0°	48.6	47.2	42.4	46.5	48.7	49.2	272.7	199.4	130.1	119.1	83.8	65.0	57.4
62,5°	40.8	39.5	39.7	41.1	40.0	38.8	256.8	173.8	115.3	109.6	83.4	61.6	54.5
65,0°	37.1	33.9	37.3	36.9	36.5	33.5	258.2	159.9	96.1	94.2	81.3	61.6	46.5
67,5°	34.6	32.3	33.4	34.6	33.0	31.3	280.0	147.2	77.5	76.0	77.6	59.7	40.8
70,0°	32.0	32.4	30.4	31.7	27.2	29.4	247.6	108.4	58.8	62.7	73.3	58.4	38.2
72,5°	25.2	26.4	26.2	25.4	24.8	23.6	184.7	71.9	48.7	47.4	57.3	50.8	34.9
75,0°	18.7	17.1	18.0	18.7	18.1	18.1	95.7	27.7	25.4	34.3	36.0	34.8	26.3
77,5°	14.2	12.3	12.0	12.2	12.3	12.3	55.6	9.6	10.9	31.1	30.8	23.9	17.8
80,0°	9.5	8.8	8.8	7.5	7.9	7.8	31.0	5.8	8.6	24.2	22.9	16.0	10.4
82,5°	5.3	5.0	4.6	4.2	4.0	3.9	6.6	3.0	4.1	6.3	5.3	3.5	3.5
85,0°	2.4	2.0	1.4	1.5	1.4	1.5	1.1	1.0	1.1	0.9	0.9	0.9	0.8
87,5°	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	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	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°	241.3	240.5	242.5	240.1	240.5	238.9	241.6	240.1	240.9	241.1	242.6	2.9	3.3
5,0°	232.5	230.0	225.5	221.8	226.5	227.3	225.3	224.8	224.3	223.2	221.9	5.8	9.1
7,5°	228.8	226.5	219.5	220.7	219.6	217.7	217.0	215.7	214.0	216.2	214.1	8.8	17.9
10,0°	221.8	216.9	211.2	208.7	206.8	206.5	210.1	210.0	211.5	208.9	215.3	11.8	29.6
12,5°	221.7	219.0	212.0	208.5	206.1	204.8	203.5	204.8	201.1	201.1	201.2	14.8	44.4
15,0°	211.3	207.1	204.4	200.9	196.2	194.7	186.5	183.8	185.7	182.0	180.8	17.4	61.9
17,5°	206.3	200.6	196.9	186.4	183.3	178.8	172.8	169.8	169.5	171.3	167.7	20.1	82.0
20,0°	201.6	192.2	182.0	171.8	168.4	169.4	161.9	159.0	152.8	148.9	148.7	22.6	104.6
22,5°	189.5	176.3	168.2	165.5	154.6	153.5	147.6	143.0	146.7	143.6	139.5	25.0	129.6
25,0°	184.5	169.4	158.8	149.7	145.1	148.3	144.2	138.2	133.4	130.4	128.2	27.4	157.0
27,5°	173.0	162.7	150.4	149.3	152.3	145.3	136.2	132.8	127.0	122.5	119.2	30.2	187.2
30,0°	162.4	143.6	144.2	152.2	146.6	139.1	131.5	121.9	116.8	109.9	110.0	32.9	220.1
32,5°	151.4	142.8	146.9	152.1	141.3	130.1	121.6	111.3	102.8	98.5	94.4	36.1	256.2
35,0°	140.7	148.0	157.5	143.3	130.4	119.8	107.6	101.9	94.1	89.2	89.6	39.0	295.2
37,5°	138.0	151.9	149.9	134.8	118.8	107.3	100.5	88.0	82.4	76.3	72.6	41.9	337.1
40,0°	134.4	154.1	135.3	122.6	107.1	94.1	82.6	75.7	70.2	69.0	67.6	44.8	381.9
42,5°	138.4	139.5	121.1	109.8	93.4	82.5	71.8	67.9	67.8	68.3	64.3	47.4	429.2
45,0°	135.6	129.0	109.2	95.4	84.3	74.3	65.8	66.7	65.5	64.6	65.4	48.8	478.1
47,5°	125.8	116.1	98.6	83.3	73.0	64.2	64.1	63.7	65.2	64.9	63.6	49.6	527.7
50,0°	107.6	99.0	88.5	78.2	64.9	64.1	63.1	62.8	63.9	65.5	68.4	50.0	577.6
52,5°	82.9	78.7	77.0	68.7	62.1	60.2	64.1	62.3	63.2	61.5	60.9	49.5	627.1
55,0°	64.7	64.0	67.3	59.9	58.1	58.2	61.6	60.8	61.2	59.8	60.3	48.5	675.6
57,5°	53.0	55.4	58.6	53.2	55.7	56.3	57.2	58.4	55.2	57.5	58.2	47.1	722.8
60,0°	49.5	48.0	49.5	47.1	48.3	48.9	50.3	49.9	51.1	50.6	52.4	45.5	768.2
62,5°	42.5	42.0	42.1	39.9	42.7	41.6	42.2	42.0	42.4	42.1	39.2	43.6	811.9
65,0°	40.5	35.1	38.1	36.5	35.7	35.7	33.2	31.9	31.9	30.6	32.6	41.7	853.6
67,5°	33.0	31.2	36.8	31.9	30.2	29.8	27.8	24.5	24.4	22.9	23.8	39.4	892.9
70,0°	29.7	26.8	31.6	27.6	24.7	23.0	20.2	19.4	17.5	17.6	16.9	35.6	928.5
72,5°	23.8	22.1	24.3	22.0	18.8	15.9	14.1	13.3	12.0	11.5	10.8	29.6	958.2
75,0°	17.8	15.2	17.8	16.9	13.4	11.6	9.2	7.4	6.2	5.9	5.9	21.6	979.7
77,5°	13.5	11.4	11.0	11.4	10.7	7.7	5.3	3.3	2.5	1.9	1.7	12.8	992.6
80,0°	7.9	5.9	6.5	6.2	5.3	4.4	3.9	1.5	1.0	0.8	0.8	5.5	998.1
82,5°	3.3	2.7	2.5	2.3	2.2	1.7	2.0	0.7	0.3	0.2	0.2	1.5	999.6
85,0°	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.3	999.9
87,5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2690	15.7	16.1	15.9
95	241	252	2552	14.8	15.3	15.0
90	229	250	2425	14.1	14.5	14.3
85	216	248	2288	13.3	13.7	13.5
80	203	246	2150	12.5	12.9	12.7
75	190	243	2012	11.7	12.0	11.8
70	178	241	1885	11.0	11.3	11.2
65	165	238	1747	10.2	10.5	10.4
60	152	235	1610	9.5	9.7	9.6
55	140	232	1483	8.8	9.0	8.9
50	127	229	1345	8.1	8.3	8.2
45	114	225	1207	7.4	7.5	7.4
40	102	221	1080	6.7	6.8	6.8
35	89	216	943	6.0	6.1	6.0
30	76	210	805	5.3	5.5	5.4
25	63	203	667	4.7	4.7	4.7
21	54	197	572	4.2	4.3	4.2