

Lichttechnischer Prüfbefund

Familie
DL® 20 LED

Bestell-Nr.: 5XA512832S008
EAN: 4058352546406

LP-Nummer
59489_16



Ausführung	Mastaufsatz-Montage
Optik	symmetrisch, breit strahlend (PL1.2s)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 2200 K CRI ≥ 70
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 3050 lm Systemleistung = 30.4 W Lichtausbeute = 100.3 lm/W

Seriendokumentation
07.12.2023

siteco

Lichtstärke in cd/klm

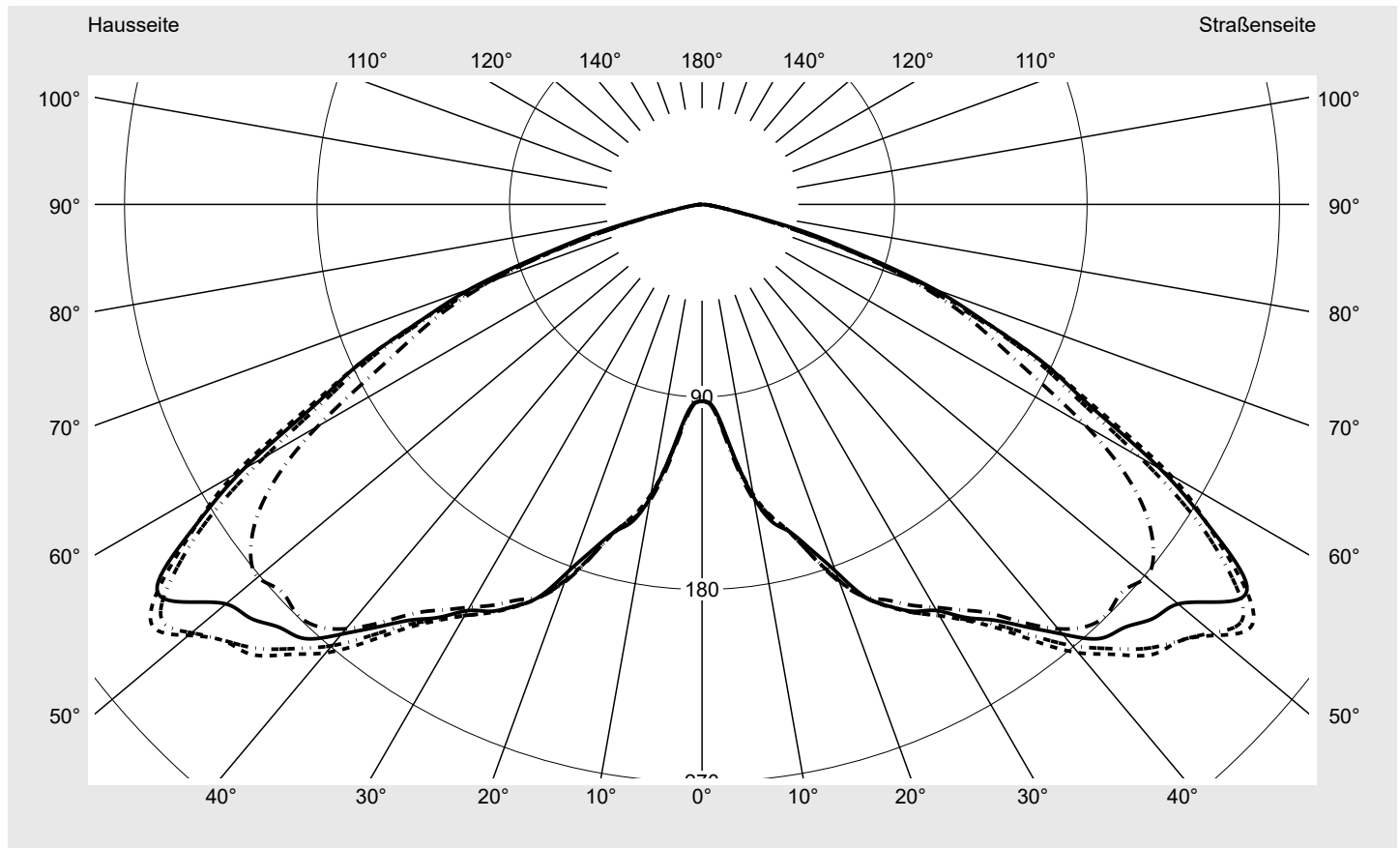
C180-0

C230-50

C235-55

C270-90

Imax: 324 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	119.6
Imax 80°	10.2
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

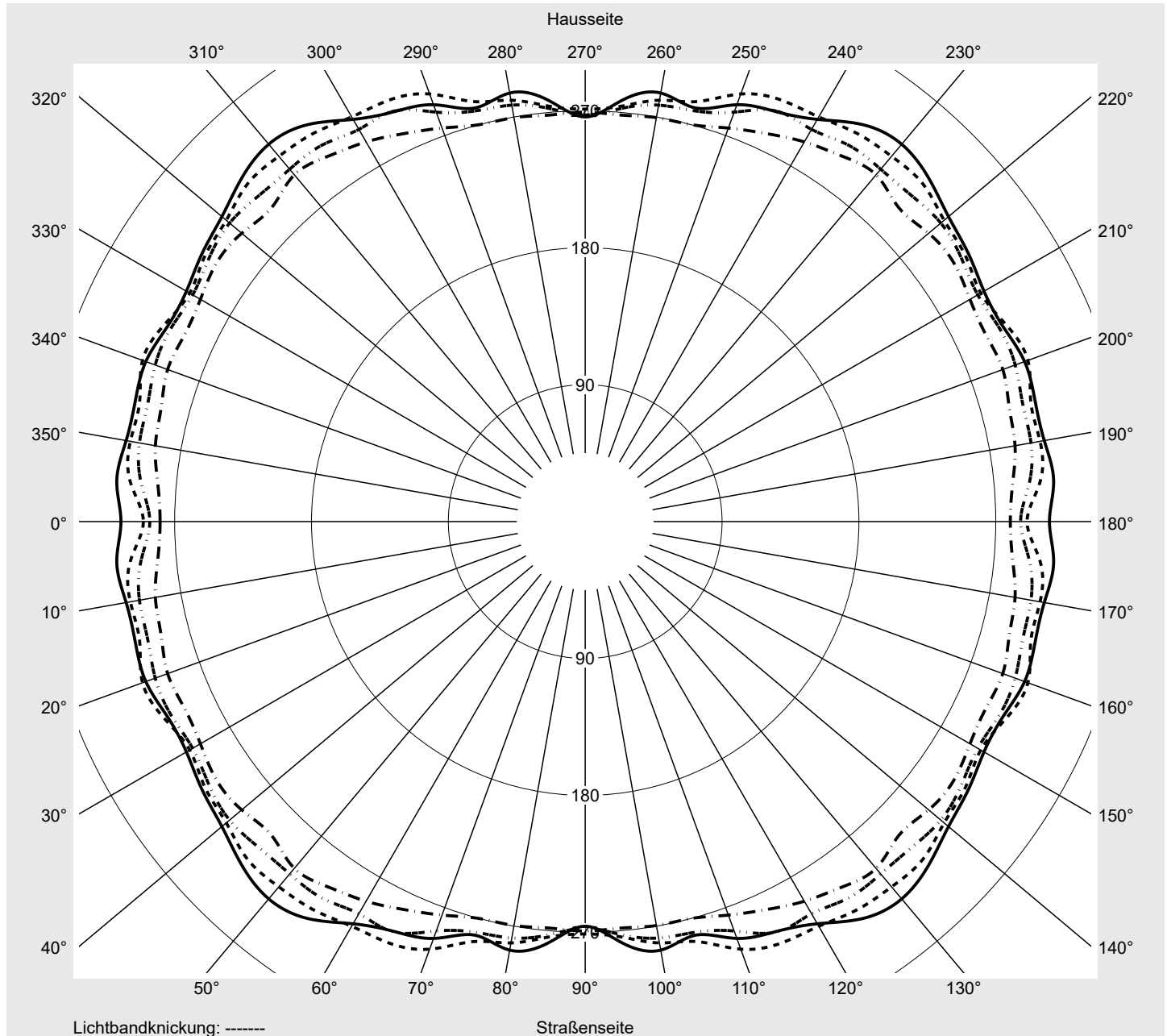
KMK 52,5°

KMK 50°

KMK 47,5°

KMK 45°

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
γ										
Lichtstärke in cd/klm										
0,0°	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2,5°	93.4	93.2	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.5
5,0°	102.6	102.9	102.9	103.0	102.9	102.9	103.0	103.0	103.1	103.3
7,5°	120.6	120.2	120.1	120.1	119.8	119.6	119.7	119.6	119.8	120.3
10,0°	139.0	139.1	138.5	138.4	137.3	136.8	136.8	136.3	136.6	137.5
12,5°	152.1	151.2	150.5	150.5	149.0	148.4	148.7	147.7	147.9	149.4
15,0°	158.5	157.9	157.9	158.4	157.4	157.4	158.2	157.5	157.6	159.0
17,5°	169.1	168.6	169.4	170.4	170.6	171.4	172.2	172.4	172.1	172.5
20,0°	182.5	183.9	185.1	185.3	186.6	187.2	186.8	186.8	186.6	186.5
22,5°	198.4	198.7	199.5	198.7	200.2	200.0	198.4	199.1	198.5	197.4
25,0°	207.3	209.4	209.1	207.0	208.7	208.9	206.7	207.5	207.4	205.9
27,5°	214.5	216.3	216.8	214.4	215.4	215.5	214.3	214.7	214.1	213.5
30,0°	219.3	221.6	223.0	220.8	221.0	222.5	222.0	220.9	220.0	219.9
32,5°	228.9	230.3	232.4	230.1	228.5	229.7	230.3	229.4	230.0	229.4
35,0°	237.2	241.2	242.0	238.8	237.4	239.3	241.5	239.9	239.5	240.8
37,5°	248.9	251.0	250.2	248.6	251.3	252.2	253.8	251.9	252.2	254.2
40,0°	262.2	264.6	262.5	260.0	264.5	267.0	266.1	268.6	268.1	269.8
42,5°	275.2	277.3	275.3	277.1	278.3	279.3	279.4	282.4	282.6	279.4
45,0°	279.6	282.1	287.0	288.7	292.2	290.7	292.2	296.1	294.8	291.7
47,5°	286.3	293.2	297.7	297.9	300.9	300.6	298.1	302.0	305.3	303.3
50,0°	290.6	300.3	303.8	303.4	309.8	305.6	300.3	305.1	308.1	314.0
52,5°	305.3	309.2	306.5	306.3	307.5	303.2	302.8	307.5	311.9	319.4
55,0°	311.0	305.4	298.9	300.0	292.0	289.0	292.6	299.2	298.2	304.3
57,5°	282.2	276.7	270.3	271.8	266.1	264.4	268.1	272.4	272.2	276.3
60,0°	247.6	245.5	244.2	239.0	236.3	232.0	232.9	238.4	241.6	244.4
62,5°	205.4	209.1	210.1	207.7	204.4	198.0	200.9	206.1	205.1	205.5
65,0°	177.5	177.6	176.7	178.2	173.4	171.3	172.2	176.4	174.3	174.3
67,5°	143.2	143.6	143.1	145.0	143.3	140.0	143.1	149.0	147.3	144.4
70,0°	114.9	113.5	112.8	112.7	112.4	110.9	112.3	119.6	115.8	111.4
72,5°	78.2	80.5	81.1	78.8	75.5	76.3	77.9	81.3	79.6	74.4
75,0°	50.1	48.6	45.8	43.9	43.4	42.5	42.2	43.8	44.5	42.1
77,5°	21.0	22.0	20.5	20.2	21.3	21.4	20.6	22.0	22.3	21.2
80,0°	9.7	9.8	9.3	9.1	9.7	10.1	9.8	10.2	9.9	9.2
82,5°	4.6	4.9	4.8	4.7	4.8	4.9	4.7	4.9	4.9	4.8
85,0°	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.3
87,5°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.1	1.1
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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		siteco

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°			
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	0.1	0.1
2,5°	93.6	93.6	93.8	93.7	93.8	93.9	94.0	94.0	94.0	1.1	1.3
5,0°	103.5	103.8	104.1	104.3	104.4	104.7	104.7	104.8	104.8	2.5	3.7
7,5°	120.8	121.4	122.0	122.4	122.6	123.0	123.1	123.2	123.3	4.3	8.1
10,0°	137.7	138.2	139.0	139.1	139.5	140.3	140.0	140.2	140.7	6.6	14.7
12,5°	149.2	149.7	150.7	150.0	150.0	150.8	150.0	149.8	150.7	8.9	23.5
15,0°	158.8	159.0	159.7	158.5	158.3	159.1	158.1	157.8	158.5	11.2	34.8
17,5°	172.6	172.6	172.5	172.3	172.4	172.6	172.5	172.7	172.9	14.2	48.9
20,0°	187.2	186.9	186.0	186.5	187.0	186.8	187.9	188.4	188.0	17.5	66.4
22,5°	198.9	198.8	197.2	198.1	198.3	197.6	199.7	199.8	198.5	20.8	87.3
25,0°	207.7	207.1	204.7	205.8	206.0	204.4	206.4	206.2	204.0	24.0	111.2
27,5°	215.2	215.1	211.4	213.0	213.8	212.2	213.4	213.2	211.2	27.1	138.3
30,0°	222.0	221.9	217.5	218.7	221.0	221.0	221.2	219.6	217.4	30.3	168.6
32,5°	230.7	230.2	225.0	226.1	228.5	226.7	226.4	226.4	224.8	33.7	202.3
35,0°	242.1	239.9	236.9	238.1	238.4	235.2	234.4	234.3	233.1	37.5	239.8
37,5°	257.9	254.0	251.8	253.1	250.1	245.3	243.6	245.6	246.2	41.9	281.6
40,0°	273.6	269.3	265.8	265.6	261.7	256.1	255.0	256.8	259.0	46.6	328.2
42,5°	285.3	281.6	279.0	274.3	269.2	263.3	265.7	264.5	267.2	51.1	379.3
45,0°	297.6	293.5	288.2	281.5	275.3	270.1	269.7	268.3	269.2	55.3	434.6
47,5°	302.4	302.0	297.7	297.7	286.4	279.5	278.0	272.6	267.2	59.4	494.0
50,0°	313.4	311.6	307.2	305.6	299.1	285.9	281.3	274.1	271.1	63.1	557.1
52,5°	323.8	318.5	305.3	297.3	291.6	281.4	286.1	278.0	266.0	65.8	622.9
55,0°	308.6	301.6	284.6	267.9	262.8	266.7	273.7	261.2	253.9	64.7	687.6
57,5°	281.4	273.7	260.4	243.6	239.6	241.8	248.4	242.0	234.7	60.7	748.3
60,0°	252.7	236.3	225.6	218.2	209.4	207.3	215.1	212.9	207.5	54.9	803.2
62,5°	210.3	199.3	188.5	191.6	187.9	180.1	183.3	184.8	175.8	48.1	851.3
65,0°	177.5	172.0	164.5	167.2	167.2	158.3	157.6	157.0	151.2	42.2	893.6
67,5°	143.0	139.2	137.6	142.5	139.9	135.1	129.6	129.7	130.3	35.6	929.2
70,0°	108.8	106.6	108.9	113.6	113.6	108.1	104.3	105.9	104.6	28.6	957.8
72,5°	72.6	73.7	76.1	79.3	78.8	76.0	73.7	73.5	74.9	20.1	977.9
75,0°	42.7	43.0	42.7	43.6	43.1	44.3	40.7	40.8	41.6	11.5	989.5
77,5°	21.9	21.5	21.5	22.1	20.4	19.9	19.5	19.9	19.4	5.6	995.1
80,0°	9.5	9.8	9.7	10.1	9.8	9.4	9.7	9.9	9.3	2.6	997.7
82,5°	4.9	5.0	4.9	5.3	5.0	4.8	5.1	5.2	4.9	1.3	999.0
85,0°	2.4	2.4	2.4	2.4	2.4	2.3	2.5	2.4	2.3	0.6	999.7
87,5°	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.1	1.2	0.3	1000.0
90,0°	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	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	3050	30.4	31.3	30.8
95	241	2903	29.0	29.7	29.4
90	227	2742	27.3	28.0	27.6
85	214	2592	25.8	26.5	26.2
80	201	2441	24.3	24.9	24.6
75	188	2289	22.8	23.4	23.1
70	175	2137	21.3	21.8	21.6
65	162	1983	19.8	20.3	20.0
60	149	1829	18.4	18.8	18.6
55	136	1673	16.9	17.3	17.1
50	124	1528	15.5	15.9	15.7
45	111	1371	14.2	14.5	14.4
40	99	1225	12.9	13.1	13.0
35	86	1066	11.5	11.7	11.6
30	74	918	10.2	10.5	10.4
25	61	757	8.9	9.0	9.0
20	49	608	7.6	7.7	7.6
15	38	470	6.4	6.5	6.4