

Lichttechnischer Prüfbefund

Familie
DL® 20 LED

Bestell-Nr.: 5XA51283NS008P
EAN: 4058352271865

LP-Nummer
59489_21



Ausführung	Mastaufsatz-Montage
Optik	symmetrisch, breit strahlend (PL1.2s)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 5400 lm Systemleistung = 41.9 W Lichtausbeute = 128.9 lm/W

Seriendokumentation
07.12.2023

siteco

Lichtstärke in cd/klm

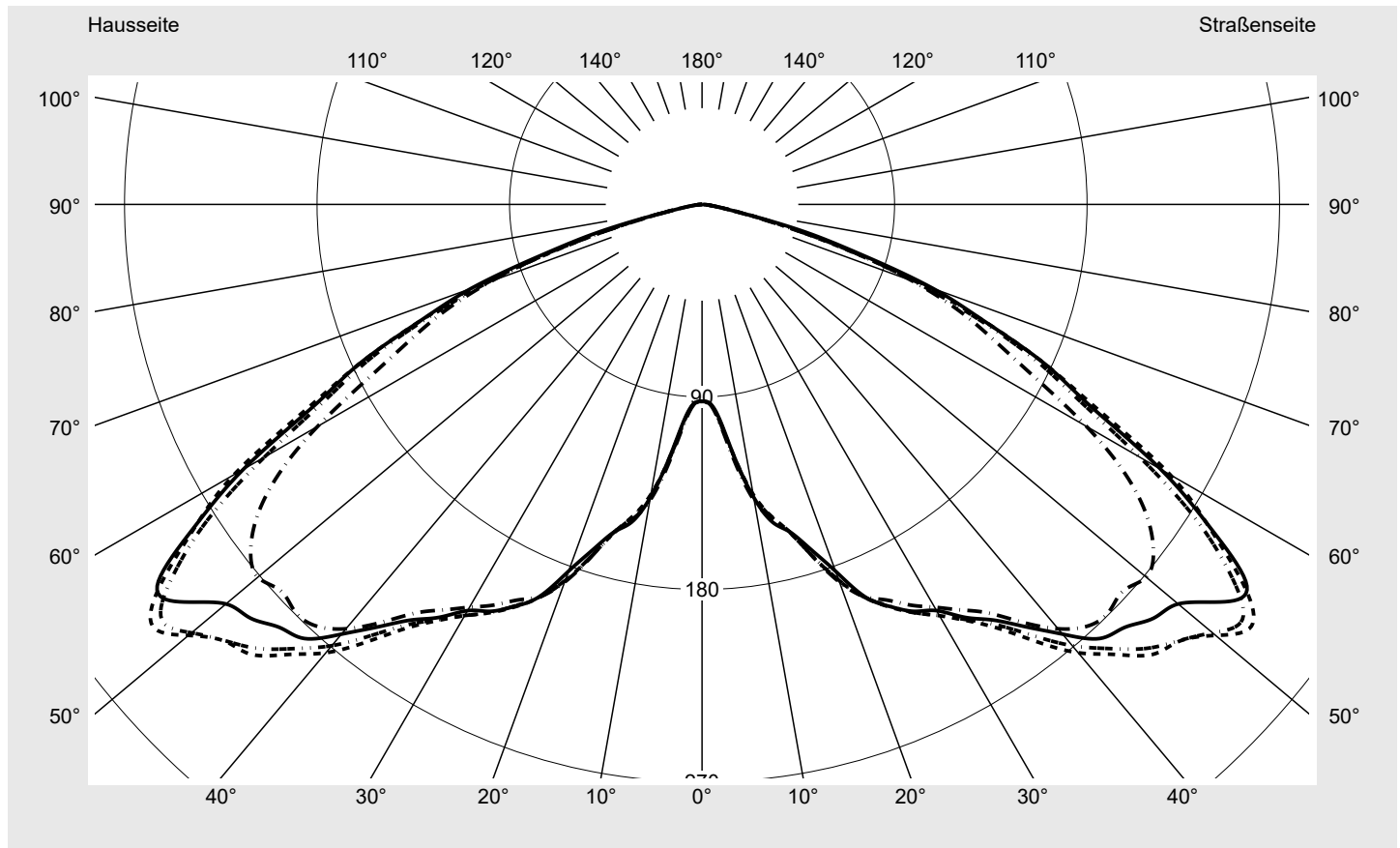
C180-0

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

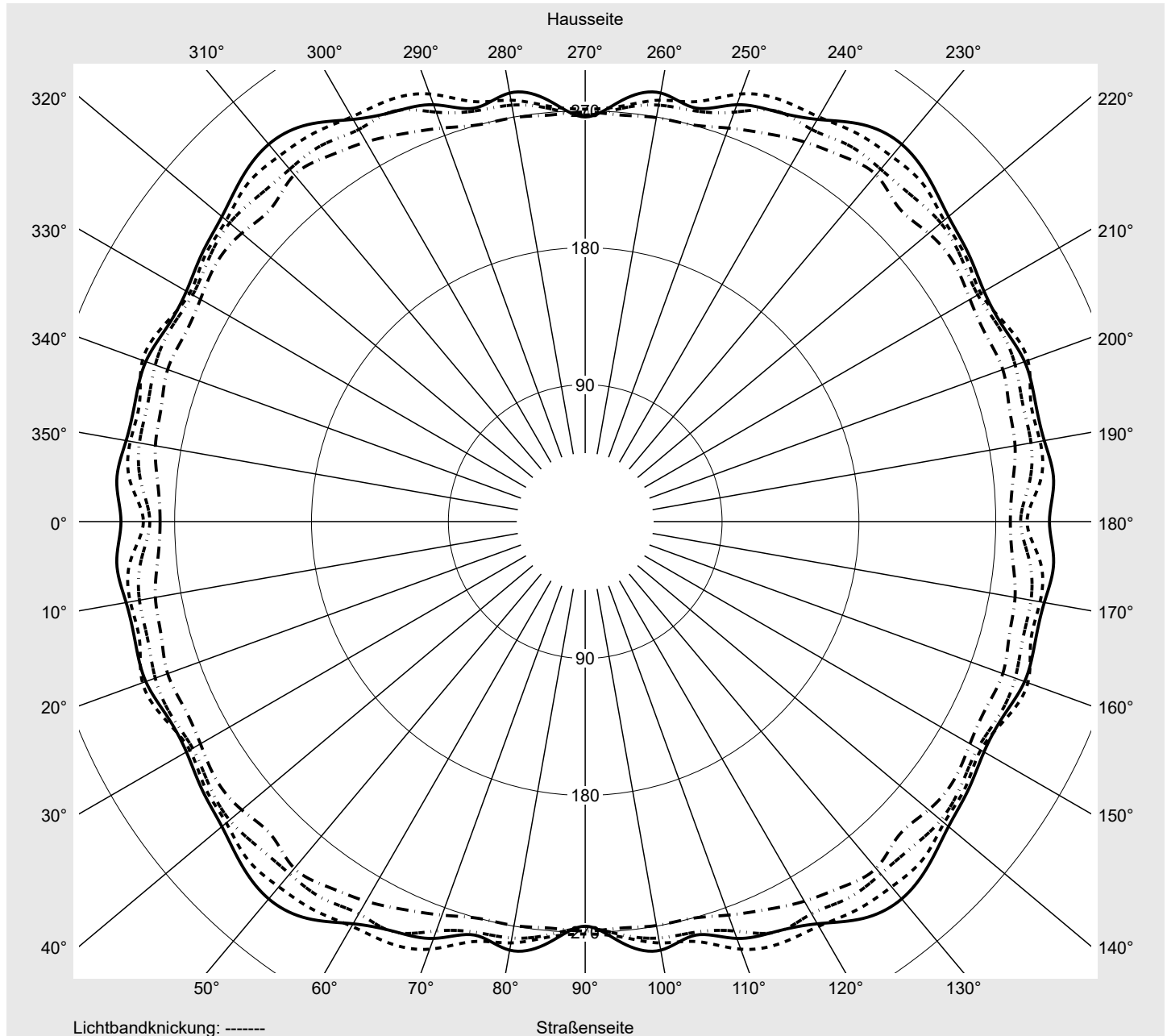
KMK 52,5°

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	5400	41.9	43.0	42.4
95	240	5123	39.5	40.5	40.0
90	227	4864	37.3	38.4	37.8
85	213	4582	35.0	35.9	35.4
80	200	4318	32.9	33.8	33.3
75	187	4052	30.7	31.6	31.2
70	174	3786	28.7	29.4	29.0
65	161	3516	26.6	27.3	27.0
60	148	3243	24.5	25.2	24.8
55	135	2969	22.5	23.1	22.8
50	122	2692	20.4	21.0	20.7
45	110	2435	18.6	19.0	18.8
40	97	2154	16.6	17.0	16.8
35	85	1892	14.8	15.1	15.0
30	73	1629	13.0	13.3	13.2
25	60	1342	11.1	11.4	11.2
20	48	1075	9.4	9.6	9.5
15	36	805	7.6	7.8	7.7
12	28	624	6.5	6.6	6.6