

## Lichttechnischer Prüfbefund

Familie  
DL® 20 LED

Bestell-Nr.: 5XA51283WS008  
EAN: 4058352271964

LP-Nummer  
58601\_1



<b>Ausführung</b>	Mastaufsatz-Montage
<b>Optik</b>	symmetrisch, breit strahlend (PL1.2s)
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 3000K / CRI ≥ 80
<b>Betriebsgerät</b>	EVG Plus
<b>Bemessungswerte</b>	Nettolichtstrom = 3040 lm Systemleistung = 35.5 W Lichtausbeute = 85.6 lm/W

Seriendokumentation  
28.06.2018

siteco

Lichtstärke in cd/klm

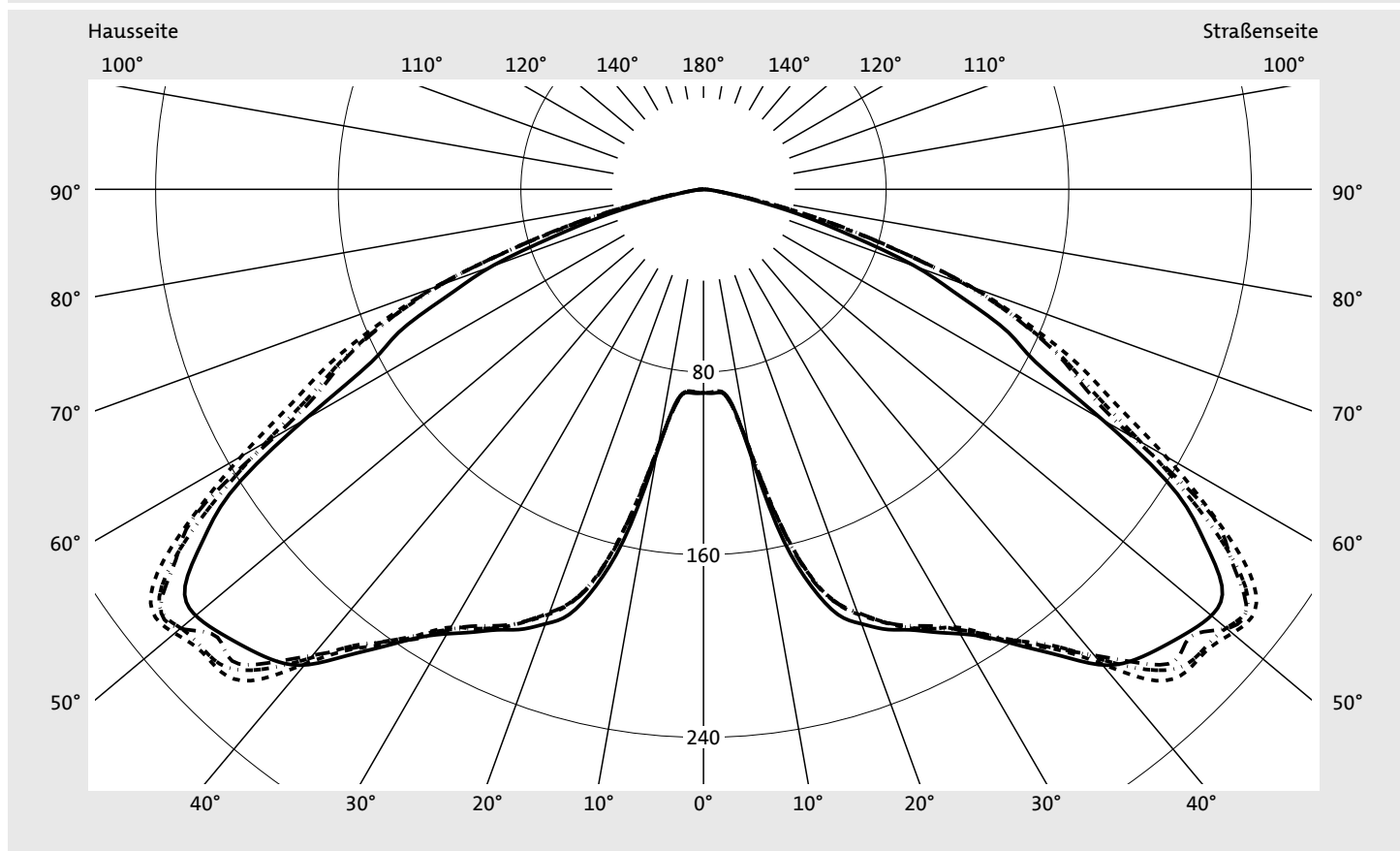
C180-0

C260-80

C265-85

C270-90

Imax: 304 cd/klm



## Leuchtenbetriebswirkungsgrade

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

## Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	124.8
Imax 80°	13.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

## Messbedingungen

DIN EN 13032 und DIN 5032

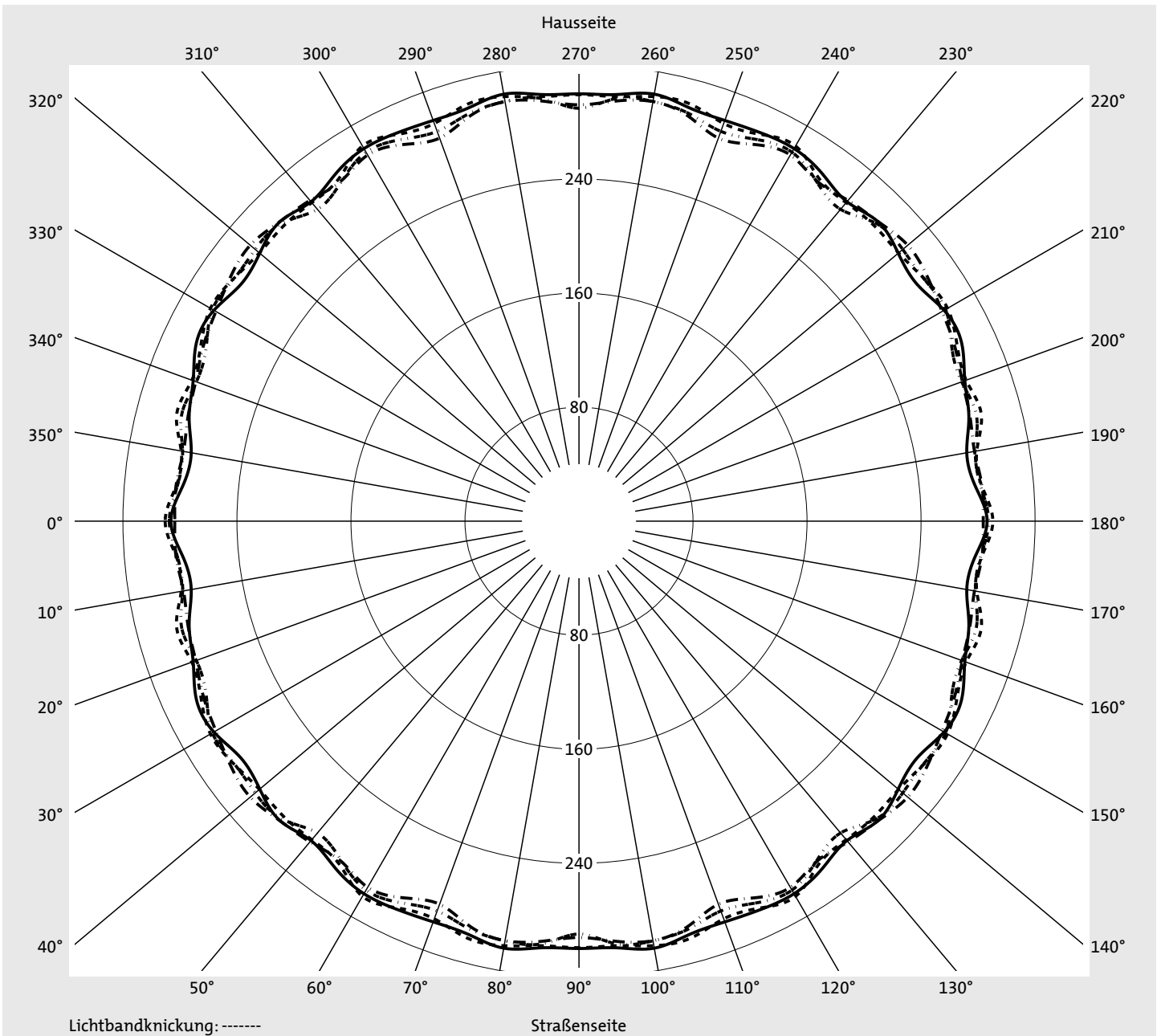
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Kegelmantelkurven in cd/klm KMK 52.5° KMK 50° KMK 47.5° KMK 45° siteco



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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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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°
		Lichtstärke in cd/klm								
γ										
0,0°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2,5°	89.4	89.1	89.1	89.3	89.1	89.1	89.3	89.0	89.0	89.2
5,0°	89.4	89.3	89.2	89.4	89.1	89.2	89.3	89.2	89.1	89.2
7,5°	94.7	94.6	94.6	94.9	94.7	94.8	94.9	94.7	94.7	94.8
10,0°	116.8	117.9	117.7	117.8	117.5	117.4	117.4	116.9	116.3	115.9
12,5°	153.3	151.0	150.9	151.2	150.3	149.9	149.8	148.4	147.5	146.9
15,0°	178.5	177.9	177.6	178.6	176.8	175.9	176.2	174.4	174.1	174.2
17,5°	195.1	193.6	193.6	193.5	191.3	189.9	190.5	189.4	189.0	189.6
20,0°	202.5	203.1	202.5	200.9	199.4	198.4	197.6	197.7	197.7	198.5
22,5°	208.5	209.8	209.3	206.4	206.4	206.1	204.4	204.9	205.8	205.5
25,0°	212.8	214.8	215.4	213.1	213.0	212.3	210.9	212.2	212.1	210.6
27,5°	218.6	219.9	220.8	220.1	220.5	220.2	218.1	218.7	218.8	216.6
30,0°	224.7	226.5	228.1	228.0	228.3	227.8	225.7	227.3	228.2	226.2
32,5°	232.8	233.6	236.1	235.3	236.9	235.6	235.2	235.9	236.1	235.6
35,0°	244.4	244.3	244.4	247.1	247.5	245.1	247.1	246.2	245.8	245.0
37,5°	257.6	255.5	254.9	260.6	263.4	259.1	257.9	257.0	259.1	259.6
40,0°	271.9	270.0	270.9	275.1	278.8	273.6	270.9	273.8	277.0	276.9
42,5°	279.4	278.7	276.7	282.8	285.1	286.0	288.3	292.2	295.6	294.7
45,0°	283.6	283.8	281.8	284.0	286.2	290.8	294.2	298.5	301.1	297.0
47,5°	287.5	282.9	282.4	288.6	285.7	288.6	297.0	295.8	296.5	295.2
50,0°	290.4	283.7	283.4	292.1	289.1	292.7	298.6	296.1	292.7	293.0
52,5°	286.4	279.3	276.3	283.2	288.1	296.2	295.8	289.6	292.4	296.9
55,0°	267.5	264.4	262.2	271.0	278.6	285.6	280.6	275.2	281.7	284.8
57,5°	244.0	231.5	231.0	247.6	245.6	251.4	254.0	243.9	249.3	261.4
60,0°	201.9	196.0	194.4	201.8	213.0	215.6	219.9	216.9	220.3	227.7
62,5°	164.3	164.6	166.1	162.4	176.6	182.7	182.8	184.8	191.1	189.6
65,0°	146.5	142.6	138.5	145.0	146.6	151.6	158.7	159.9	162.6	164.8
67,5°	120.6	121.1	120.2	120.8	122.7	125.1	132.3	133.8	136.0	139.3
70,0°	99.0	98.0	100.8	98.6	98.4	100.8	106.0	106.7	109.9	113.6
72,5°	68.9	71.7	75.3	76.5	71.2	72.6	77.8	77.8	79.2	82.4
75,0°	46.1	47.0	49.7	50.9	46.9	48.2	51.2	51.7	52.9	55.0
77,5°	25.0	26.7	28.6	28.2	26.0	27.1	28.8	29.5	29.8	30.6
80,0°	11.5	11.9	11.8	11.4	11.3	11.7	12.0	11.9	12.3	12.7
82,5°	5.6	5.8	5.8	5.7	5.7	5.7	5.7	5.9	5.9	6.0
85,0°	2.8	2.8	2.9	2.7	2.8	2.7	2.7	2.9	2.9	2.8
87,5°	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	0.1	0.1
2,5°	89.0	88.9	89.1	88.9	88.9	89.0	88.8	88.9	89.1	1.1	1.2
5,0°	89.0	89.0	89.2	89.1	89.1	89.1	88.9	88.9	89.1	2.1	3.3
7,5°	94.8	94.9	95.2	95.2	95.2	95.3	95.3	95.5	95.8	3.4	6.7
10,0°	115.3	114.9	114.6	114.2	114.1	114.3	114.6	114.9	115.1	5.5	12.2
12,5°	145.1	144.4	144.6	144.1	144.3	145.3	145.0	145.1	145.9	8.7	21.0
15,0°	172.4	171.7	172.7	171.7	171.3	172.4	171.8	171.9	172.8	12.4	33.4
17,5°	189.1	189.0	190.1	190.1	190.1	190.0	189.0	188.5	189.0	15.7	49.1
20,0°	199.5	200.1	200.2	200.8	200.8	199.3	198.0	197.4	197.2	18.7	67.8
22,5°	206.8	208.0	208.1	208.3	207.8	206.2	205.1	204.9	204.8	21.7	89.5
25,0°	212.7	214.9	214.4	216.0	215.7	212.3	211.9	211.7	210.8	24.7	114.1
27,5°	218.3	220.2	220.0	220.8	219.7	216.9	217.1	216.9	215.6	27.7	141.9
30,0°	224.5	226.0	228.2	226.6	222.8	221.2	221.4	222.6	222.7	30.9	172.8
32,5°	233.9	235.2	236.2	234.3	231.1	231.3	231.2	231.2	233.3	34.5	207.3
35,0°	241.3	241.5	243.4	241.8	241.7	245.6	243.3	241.5	241.6	38.4	245.7
37,5°	254.7	251.3	252.7	252.3	255.3	258.8	254.0	251.9	253.4	42.8	288.5
40,0°	271.6	270.2	270.2	267.1	267.6	271.4	271.1	268.0	266.4	47.9	336.4
42,5°	289.1	285.0	287.6	280.1	280.4	288.1	291.7	284.9	281.1	53.0	389.3
45,0°	293.7	291.2	296.6	291.5	285.9	294.4	298.8	295.8	292.0	56.6	445.9
47,5°	285.5	290.7	298.9	295.4	291.0	296.2	298.9	297.6	289.6	59.0	504.9
50,0°	291.7	293.5	303.9	299.5	296.8	302.8	302.4	298.9	299.2	61.9	566.8
52,5°	292.5	297.6	301.8	300.7	299.1	300.1	304.2	300.4	299.8	63.9	630.7
55,0°	283.0	284.6	291.3	286.8	283.5	287.6	291.7	283.6	282.0	63.0	693.7
57,5°	252.8	254.4	263.4	256.9	257.0	268.2	264.1	253.9	262.5	58.3	752.0
60,0°	223.6	221.9	226.6	224.6	227.5	231.5	233.8	221.0	217.2	51.8	803.8
62,5°	191.3	191.0	190.5	191.2	193.2	197.8	203.7	192.8	188.4	45.0	848.8
65,0°	165.3	163.5	163.7	164.9	166.5	172.0	180.9	172.8	171.2	39.7	888.5
67,5°	138.5	137.3	135.8	137.6	141.2	147.7	153.5	149.1	149.0	34.1	922.7
70,0°	111.1	110.5	110.4	110.8	114.6	122.2	124.8	122.4	124.8	28.2	950.9
72,5°	81.4	82.0	81.7	83.0	86.2	89.4	90.0	90.5	89.4	21.0	971.9
75,0°	55.8	57.0	55.8	55.1	56.7	56.8	58.0	60.5	61.2	14.2	986.1
77,5°	30.6	30.4	30.0	30.1	30.2	29.6	31.5	33.0	33.4	7.9	993.9
80,0°	12.9	12.8	12.7	13.2	13.3	12.7	13.3	13.9	13.9	3.4	997.3
82,5°	6.0	5.9	5.9	6.0	5.9	5.8	6.1	6.1	6.0	1.6	998.9
85,0°	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.7	0.8	999.7
87,5°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.4	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
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180,0°	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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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	3040	35.5	36.4	36.0
95	239	2888	33.5	34.3	33.9
90	225	2736	31.5	32.2	31.8
85	211	2584	29.5	30.2	29.8
80	197	2432	27.6	28.3	28.0
75	183	2280	25.8	26.4	26.1
70	170	2128	24.0	24.5	24.2
65	156	1976	22.2	22.7	22.4
60	143	1824	20.4	20.9	20.6
55	131	1672	18.8	19.1	19.0
50	117	1520	17.0	17.4	17.2
45	105	1368	15.4	15.7	15.6
40	92	1216	13.8	14.1	14.0
35	80	1064	12.3	12.4	12.4
30	69	912	10.8	11.0	10.9
25	57	760	9.4	9.5	9.4
20	46	608	7.9	8.0	8.0
15	34	455	6.5	6.6	6.6