

## Lichttechnischer Prüfbefund

Familie  
DL® 20 LED

Bestell-Nr.: 5XA51283NS008  
EAN: 4058352271858

LP-Nummer  
58601\_2



<b>Ausführung</b>	Mastaufsatz-Montage
<b>Optik</b>	symmetrisch, breit strahlend (PL1.2s)
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 4000K / CRI ≥ 80
<b>Betriebsgerät</b>	EVG Plus
<b>Bemessungswerte</b>	Nettolichtstrom = 3030 lm Systemleistung = 27.2 W Lichtausbeute = 111.4 lm/W

Seriendokumentation  
28.06.2018

siteco

Lichtstärke in cd/klm

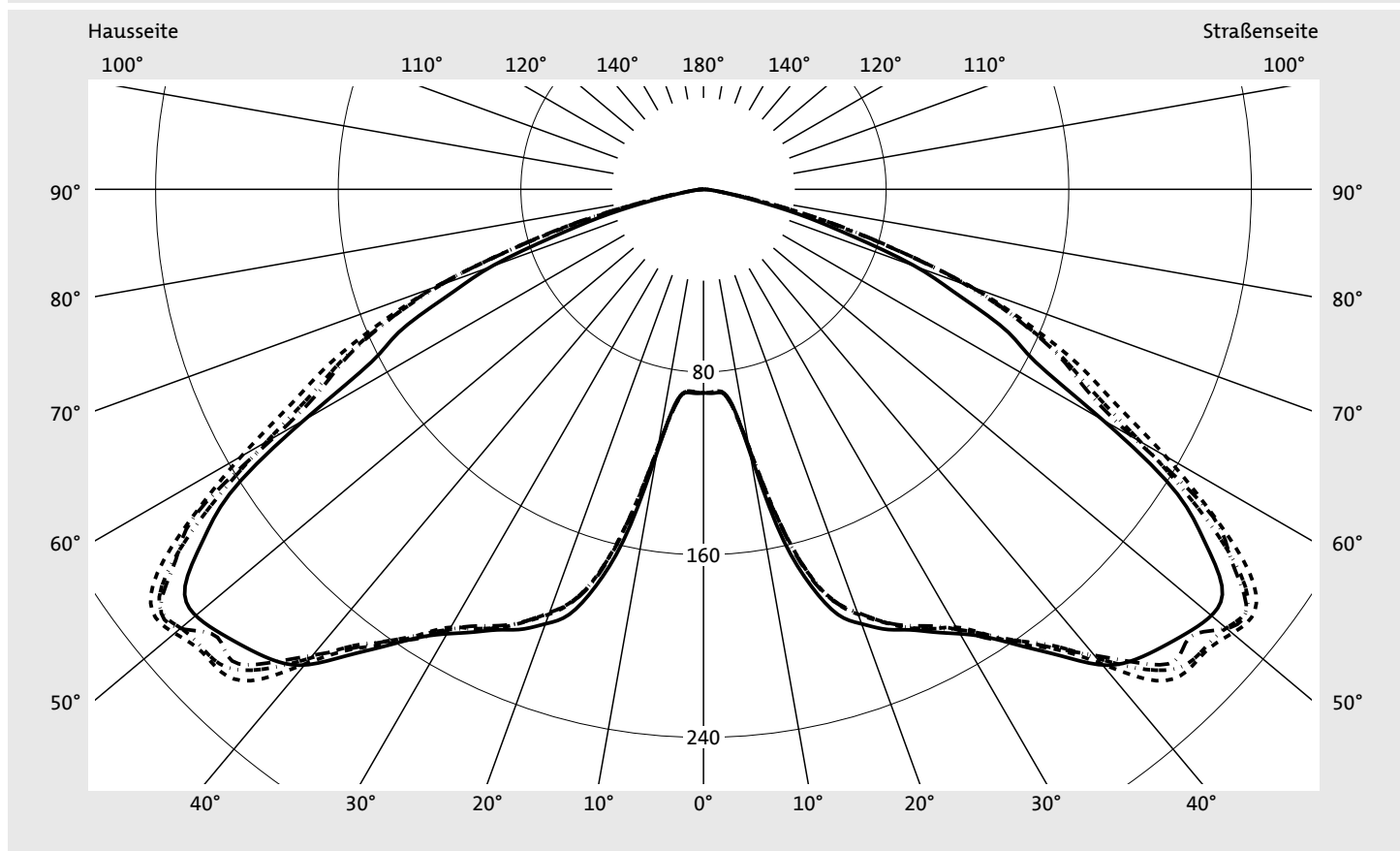
C180-0

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

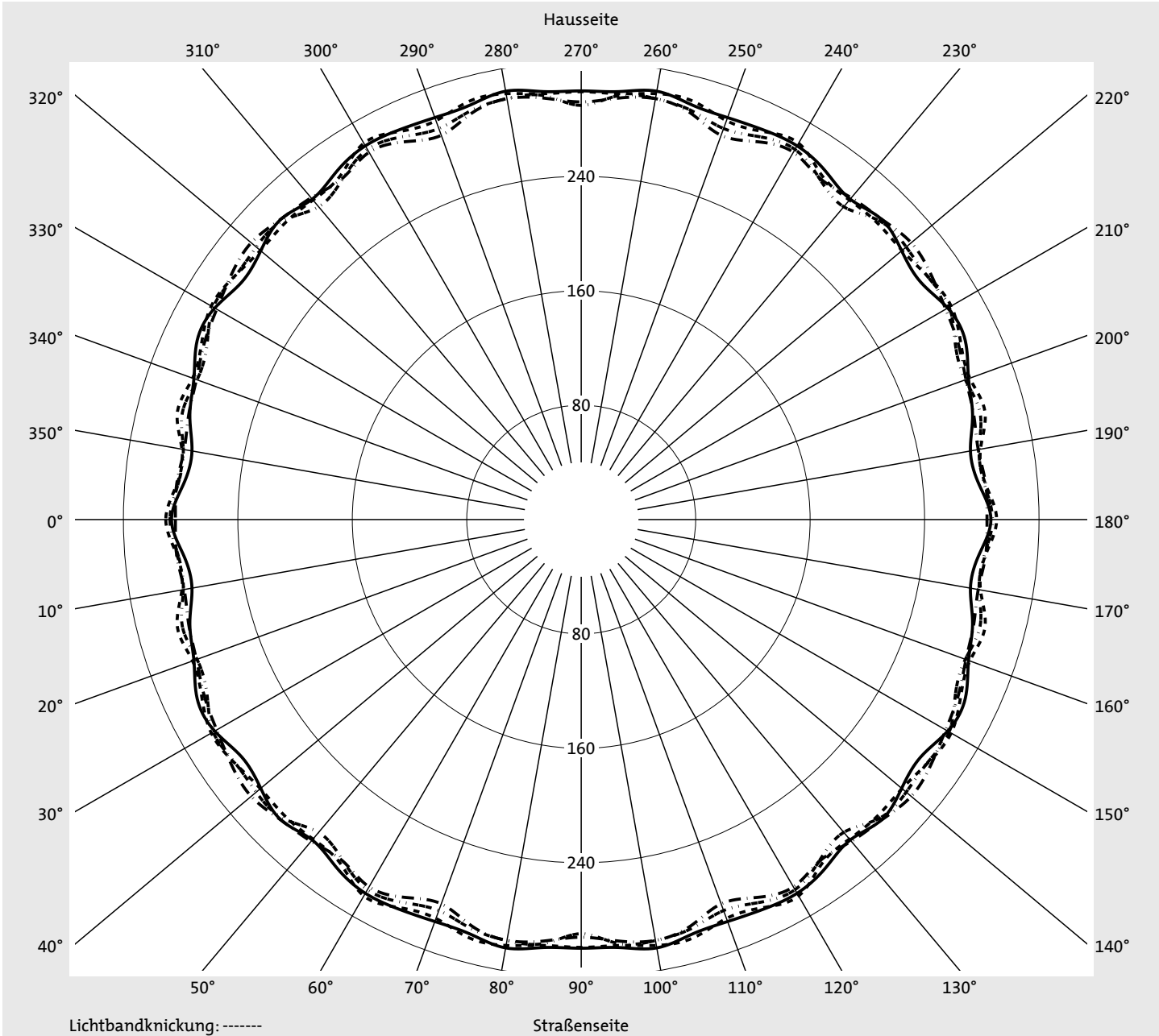
DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> DL® 20 LED	<b>Bestell-Nr.:</b> 5XA51283NS008 <b>EAN:</b> 4058352271858	<b>LP-Nummer</b> 58601_2
------------------------------	--	-----------------------------



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



## Lichttechnischer Prüfbefund

<b>Familie</b> DL® 20 LED	<b>Bestell-Nr.: 5XA51283NS008</b> <b>EAN: 4058352271858</b>	<b>LP-Nummer</b> 58601_2
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sitEco</b>

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°	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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>DL® 20 LED</b>	<b>Bestell-Nr.: 5XA51283NS008</b> <b>EAN: 4058352271858</b>	<b>LP-Nummer</b> <b>58601_2</b>
<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

## Lichttechnischer Prüfbefund

<b>Familie</b> DL® 20 LED	<b>Bestell-Nr.: 5XA51283NS008</b> <b>EAN: 4058352271858</b>	<b>LP-Nummer</b> 58601_2
------------------------------	--	-----------------------------

<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	3030	27.2	27.6	27.4
95	240	2879	25.8	26.1	26.0
90	225	2727	24.4	24.7	24.5
85	211	2576	23.0	23.3	23.2
80	198	2424	21.5	21.8	21.6
75	184	2273	20.2	20.4	20.3
70	171	2121	18.9	19.1	19.0
65	158	1970	17.5	17.7	17.6
60	145	1818	16.3	16.4	16.4
55	132	1667	14.9	15.1	15.0
50	119	1515	13.7	13.8	13.8
45	107	1364	12.4	12.5	12.4
40	95	1212	11.3	11.4	11.4
35	83	1061	10.1	10.2	10.1
30	71	909	9.0	9.1	9.0
25	59	758	7.9	8.0	8.0
20	47	605	6.8	6.9	6.8