

## Lichttechnischer Prüfbefund

Familie  
DL® 50 midi LED

Bestell-Nr.: 5XA2492G1B08A5  
EAN: 4058352061695

LP-Nummer  
57248\_13



<b>Ausführung</b>	Seil-Montage
<b>Optik</b>	symmetrisch, breit strahlend (ST0.5s)
<b>Abdeckung</b>	Abdeckung klar (ESG), teilweise bedruckt
<b>Bestückung</b>	LED 3000 K   CRI ≥ 80
<b>Betriebsgerät</b>	EVG Plus
<b>Bemessungswerte</b>	Nettolichtstrom = 7340 lm Systemleistung = 63.2 W Lichtausbeute = 116.2 lm/W

Seriendokumentation  
26.11.2020

siteco

Lichtstärke in cd/klm

C180-0

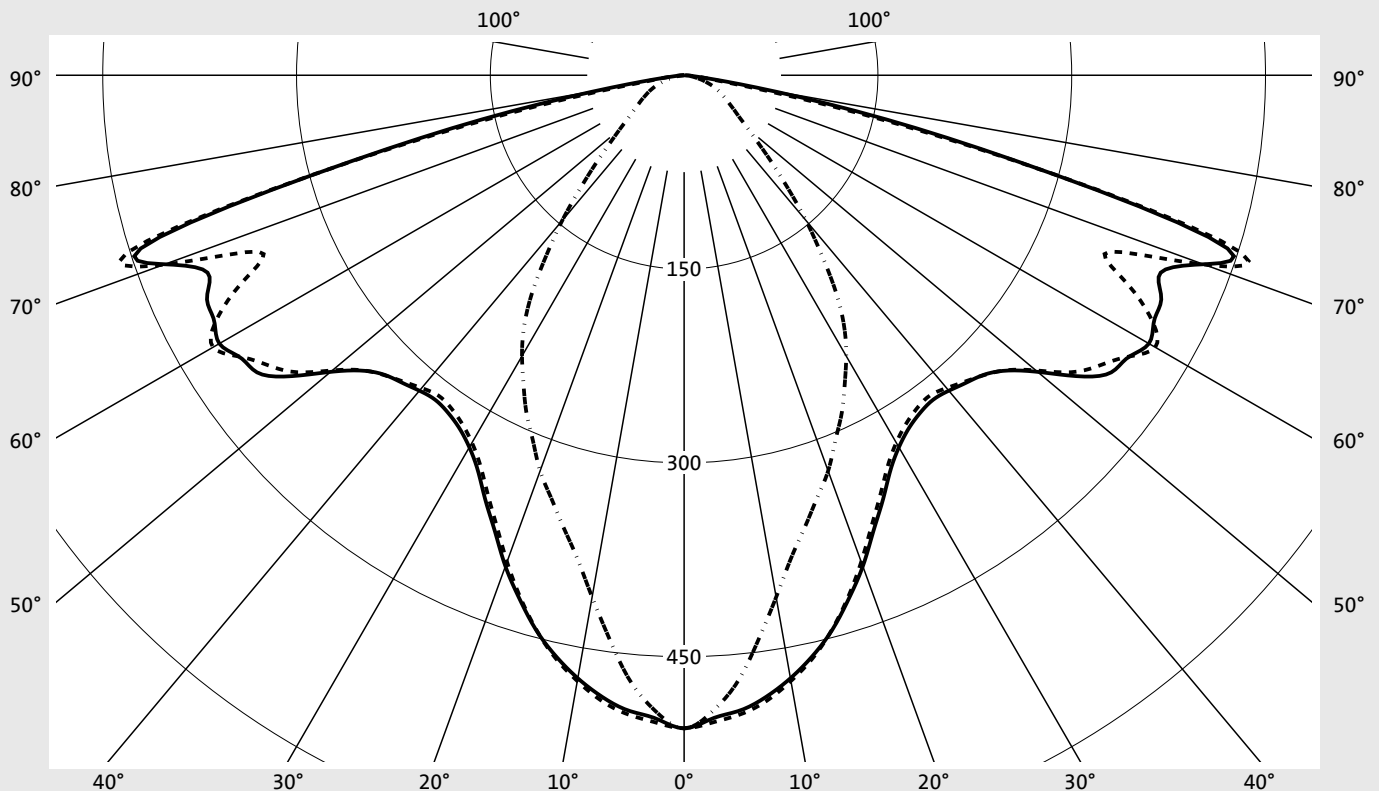
C185-5

C270-90

Imax: 506 cd/klm

Hausseite

Straßenseite



#### Leuchtenbetriebswirkungsgrade

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

#### Lichtstärkeklasse nach EN13201-2

Klasse:	G4
Imax 70°	428.8
Imax 80°	67.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

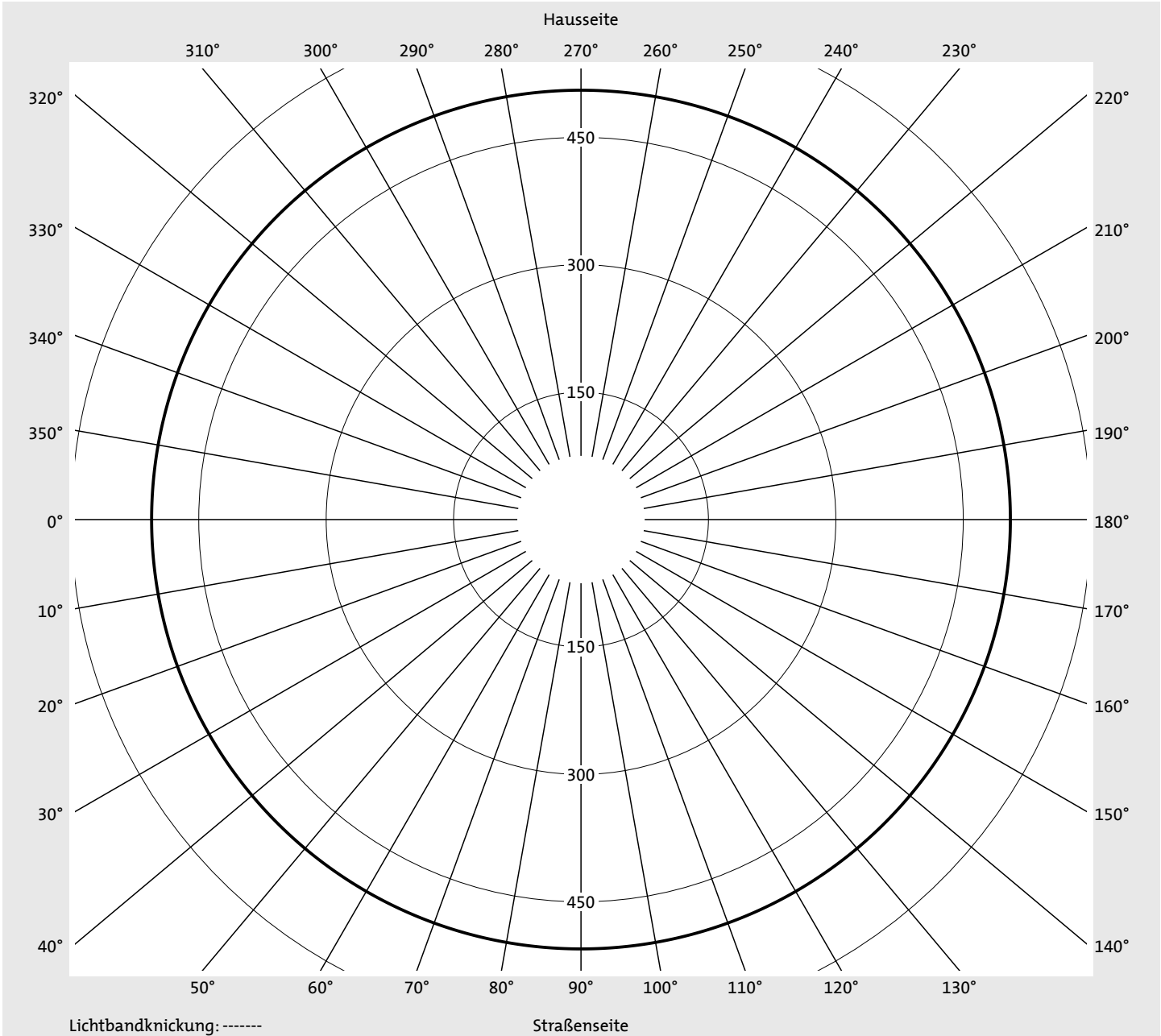
#### Messbedingungen

DIN EN 13032 und DIN 5032

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**Kegelmantelkurven in cd/klm** **KMK 0°** **siteco**



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<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°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5
2,5°	498.4	501.5	503.2	503.1	503.1	503.3	501.9	500.6	500.2	500.2
5,0°	493.6	496.6	497.9	496.6	496.1	495.0	492.5	489.4	487.1	485.6
7,5°	485.4	488.5	489.1	486.6	484.5	481.9	477.3	472.0	467.7	464.9
10,0°	473.9	476.1	475.6	471.5	467.9	463.4	456.4	448.5	442.2	437.7
12,5°	460.2	461.7	459.7	453.9	448.0	441.4	432.2	422.4	415.1	410.2
15,0°	444.0	443.6	440.3	432.6	425.2	416.9	406.2	395.2	387.5	382.8
17,5°	424.4	422.9	417.9	408.9	399.6	389.9	378.5	367.8	361.2	358.1
20,0°	404.5	400.8	395.1	384.9	375.0	364.4	354.0	344.9	339.7	338.2
22,5°	382.4	378.6	371.7	361.1	350.0	339.9	330.5	324.3	320.7	320.4
25,0°	363.5	359.0	352.2	342.2	331.0	320.8	313.6	308.3	305.6	304.8
27,5°	345.4	341.2	333.4	324.0	313.1	303.8	297.2	292.5	288.8	284.5
30,0°	332.5	328.4	319.9	309.7	299.2	291.2	284.8	278.2	270.9	264.6
32,5°	323.8	319.8	310.8	298.6	289.0	281.4	272.8	261.8	252.8	246.2
35,0°	318.8	314.5	305.0	289.4	279.8	270.9	258.9	244.7	235.6	229.4
37,5°	316.6	312.5	301.2	283.7	273.1	262.6	245.1	230.8	223.0	214.6
40,0°	318.7	316.1	300.8	281.4	269.1	253.6	232.9	221.5	212.1	201.7
42,5°	322.9	321.6	304.8	283.6	270.5	245.1	221.8	212.3	201.2	189.3
45,0°	327.9	328.3	310.8	290.6	271.3	233.3	215.8	203.7	189.3	173.2
47,5°	338.4	338.0	319.5	302.3	270.2	225.9	209.6	194.5	176.7	157.0
50,0°	357.1	355.4	333.6	314.2	265.2	225.6	206.4	187.2	166.0	141.5
52,5°	382.5	377.6	343.3	322.2	260.7	230.1	208.2	184.8	159.7	131.6
55,0°	402.1	392.0	356.8	319.6	262.9	238.6	212.3	184.5	155.6	123.6
57,5°	407.0	405.9	379.1	318.2	266.6	249.8	214.0	184.5	155.0	119.0
60,0°	415.4	421.1	404.5	323.7	285.7	266.2	217.5	184.9	153.3	114.5
62,5°	410.3	407.4	394.1	329.7	313.0	283.1	222.3	185.1	150.1	109.5
65,0°	407.5	376.2	344.5	328.0	325.9	278.6	222.1	180.5	141.9	103.3
67,5°	399.3	356.7	318.7	326.5	301.1	239.5	198.1	163.2	129.2	94.6
70,0°	427.7	428.8	364.6	345.9	243.1	187.6	154.9	130.3	109.8	83.8
72,5°	437.1	448.0	338.3	263.4	182.8	129.9	103.4	84.5	82.6	69.3
75,0°	296.7	297.7	246.6	192.9	123.9	81.5	64.8	57.8	51.7	41.0
77,5°	168.1	151.3	139.0	99.0	64.0	48.1	41.0	39.4	31.5	25.2
80,0°	67.5	44.9	43.4	42.9	32.2	24.8	24.8	20.5	16.9	14.4
82,5°	18.8	17.0	15.8	17.7	14.5	13.8	13.2	11.4	8.9	7.7
85,0°	6.2	6.7	6.8	7.1	6.5	5.7	5.5	5.1	4.4	3.9
87,5°	2.6	2.5	2.5	2.3	2.2	2.0	1.9	1.8	1.7	1.6
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
135,0°	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
165,0°	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°			
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	0.8	0.8
2,5°	502.1	503.2	502.3	502.3	503.1	502.7	500.2	494.8	493.3	6.0	6.8
5,0°	486.3	485.7	483.4	482.2	482.0	480.7	477.6	471.7	471.7	11.6	18.4
7,5°	463.6	461.3	457.6	455.4	454.1	452.0	448.4	442.1	440.7	16.7	35.1
10,0°	435.5	432.1	428.0	424.9	423.1	420.8	417.0	411.0	410.2	21.1	56.2
12,5°	407.5	404.1	400.2	397.3	395.7	393.6	390.2	384.8	382.7	24.9	81.0
15,0°	380.8	378.0	375.4	373.4	372.6	370.9	368.1	363.6	361.7	28.0	109.1
17,5°	357.3	355.7	354.3	353.1	352.5	350.9	348.7	345.1	342.7	30.7	139.8
20,0°	338.6	337.6	336.4	335.2	333.7	331.9	329.7	326.9	325.9	33.0	172.8
22,5°	320.5	319.0	316.4	314.3	312.2	310.2	308.1	306.6	305.9	34.7	207.5
25,0°	302.9	299.6	296.3	293.2	291.6	290.0	288.2	287.7	288.6	36.1	243.6
27,5°	280.7	275.8	272.0	269.4	268.2	267.3	266.6	267.6	269.3	36.9	280.5
30,0°	259.9	255.1	250.6	247.9	247.0	246.9	247.4	249.4	251.0	37.6	318.2
32,5°	241.4	235.7	229.6	226.4	225.7	225.9	227.0	228.9	230.5	38.1	356.2
35,0°	222.1	214.3	207.0	204.3	203.3	202.7	202.8	203.0	204.8	38.0	394.2
37,5°	204.7	194.4	186.8	183.4	181.0	178.6	176.6	174.7	174.5	37.8	432.0
40,0°	189.6	176.6	167.9	163.1	159.0	154.7	150.6	147.0	146.8	37.5	469.5
42,5°	174.3	159.0	149.8	143.3	137.5	131.5	125.8	121.1	119.5	37.2	506.7
45,0°	155.6	140.7	132.4	123.9	116.8	109.7	102.9	97.9	96.9	36.7	543.4
47,5°	137.1	125.1	116.7	106.9	99.1	91.5	84.8	80.1	78.3	36.4	579.8
50,0°	121.3	111.7	102.0	92.2	84.0	76.7	70.4	66.0	65.0	36.5	616.3
52,5°	110.2	101.4	90.2	80.0	71.5	64.7	58.9	55.7	54.6	37.1	653.4
55,0°	102.2	92.2	80.7	70.9	62.6	55.7	50.9	48.2	47.8	37.9	691.2
57,5°	98.7	85.0	72.8	63.4	55.6	49.4	45.1	42.9	42.2	38.9	730.2
60,0°	93.7	77.8	66.2	56.7	48.8	43.7	40.2	38.3	37.9	40.4	770.6
62,5°	85.4	71.0	58.6	50.8	42.9	38.1	35.6	34.1	33.7	41.0	811.5
65,0°	76.2	62.3	49.8	43.9	37.6	33.5	31.5	30.3	30.1	39.8	851.4
67,5°	66.6	52.8	40.6	35.1	31.2	28.9	27.5	26.6	26.2	37.3	888.6
70,0°	57.6	42.0	33.6	28.5	26.3	24.6	23.4	22.6	22.6	36.2	924.9
72,5°	48.9	34.3	25.9	22.7	21.2	20.2	19.3	18.6	18.3	31.1	956.0
75,0°	31.9	25.7	19.7	17.7	16.8	16.0	15.4	14.7	14.7	21.6	977.6
77,5°	20.6	16.4	14.0	13.1	12.5	12.0	11.5	10.9	10.7	12.5	990.1
80,0°	12.0	10.3	9.3	8.8	8.5	8.1	7.7	7.4	7.4	5.6	995.7
82,5°	6.8	6.3	5.8	5.5	5.2	5.0	4.8	4.6	4.5	2.7	998.4
85,0°	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.4	2.4	1.2	999.6
87,5°	1.5	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.9	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
135,0°	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
165,0°	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	7340	63.2	64.9	64.1
95	241	6964	59.5	61.2	60.4
90	229	6618	56.3	57.7	57.0
85	216	6242	52.7	54.2	53.4
80	203	5866	49.3	50.7	50.0
75	190	5491	45.9	47.2	46.6
70	178	5144	42.9	44.1	43.5
65	165	4768	39.6	40.6	40.1
60	152	4392	36.3	37.3	36.8
55	140	4046	33.4	34.3	33.8
50	127	3670	30.4	31.1	30.8
45	114	3294	27.2	27.9	27.5
40	102	2948	24.5	25.1	24.8
35	89	2572	21.4	21.9	21.7
30	76	2196	18.4	18.9	18.6
25	63	1821	15.2	15.6	15.4
20	51	1474	12.0	12.3	12.2