

## Lichttechnischer Prüfbefund

**Familie**  
**DL 11 iQ**

**Bestell-Nr.: 5XA5565CF108000022**  
**EAN: 4058352955765**

**LP-Nummer**  
**59374\_101**



<b>Ausführung</b>	Leuchteneinsatz LED, Siteco® eisenglimmer (DB 702S), Mastaufsatz- oder Montage am Wandausleger
<b>Optik</b>	symmetrisch, breit strahlend (PL1.2s)
<b>Abdeckung</b>	Abdeckung klar, PMMA
<b>Bestückung</b>	LED 2200 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 2850 lm Systemleistung = 23.9 W Lichtausbeute = 119.2 lm/W

**Seriendokumentation**  
**01.02.2024**

**siteco**

**Lichtstärke in cd/klm**

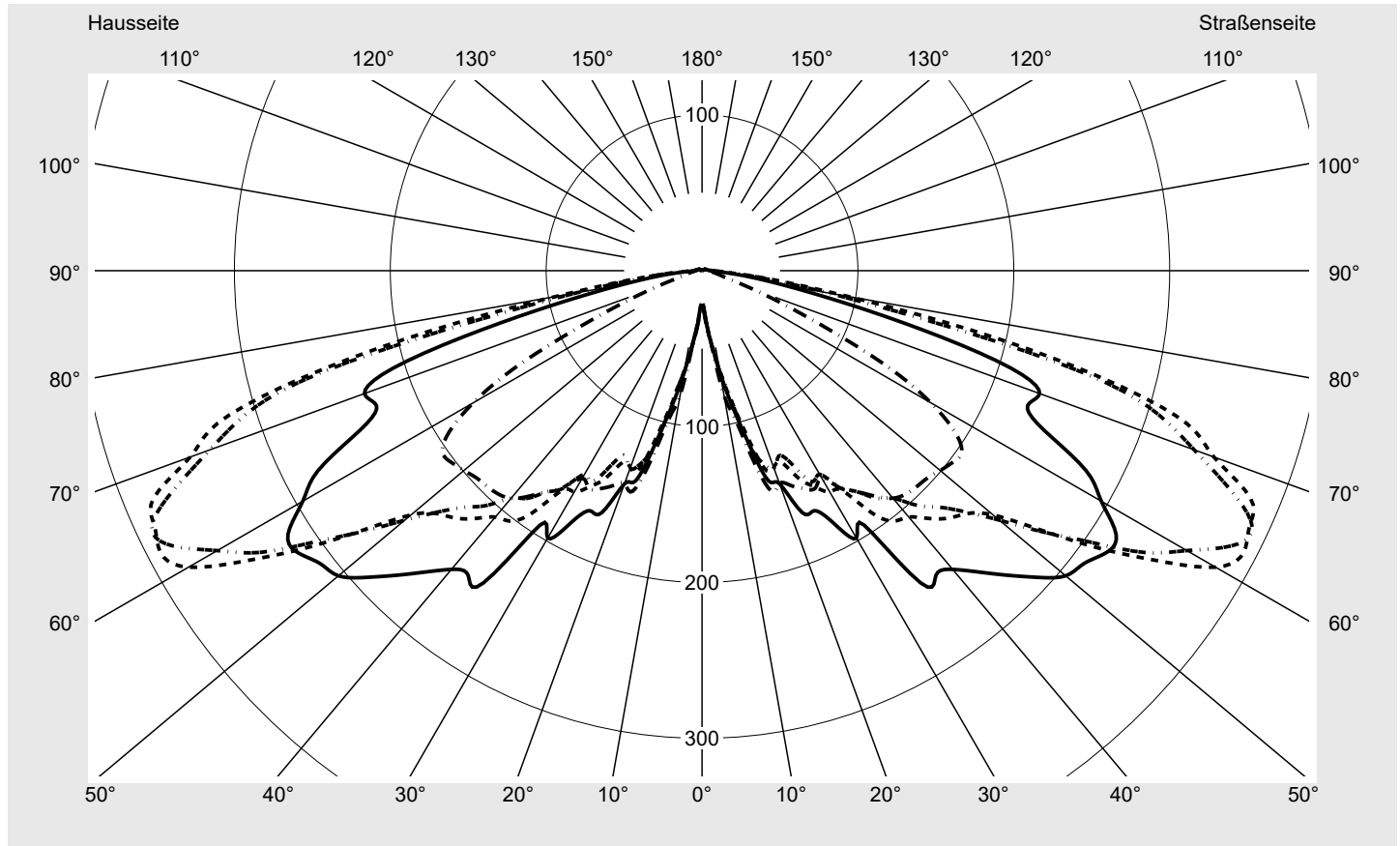
**C180-0**

**C200-20**

**C205-25**

**C270-90**

**Imax: 392 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	98.8%
Eta 90° - 180°	1.2%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G3
Imax 70°	349.4
Imax 80°	94.8
Imax 90°	7.3
Imax >90°	4.7
Imax >95°	3.7

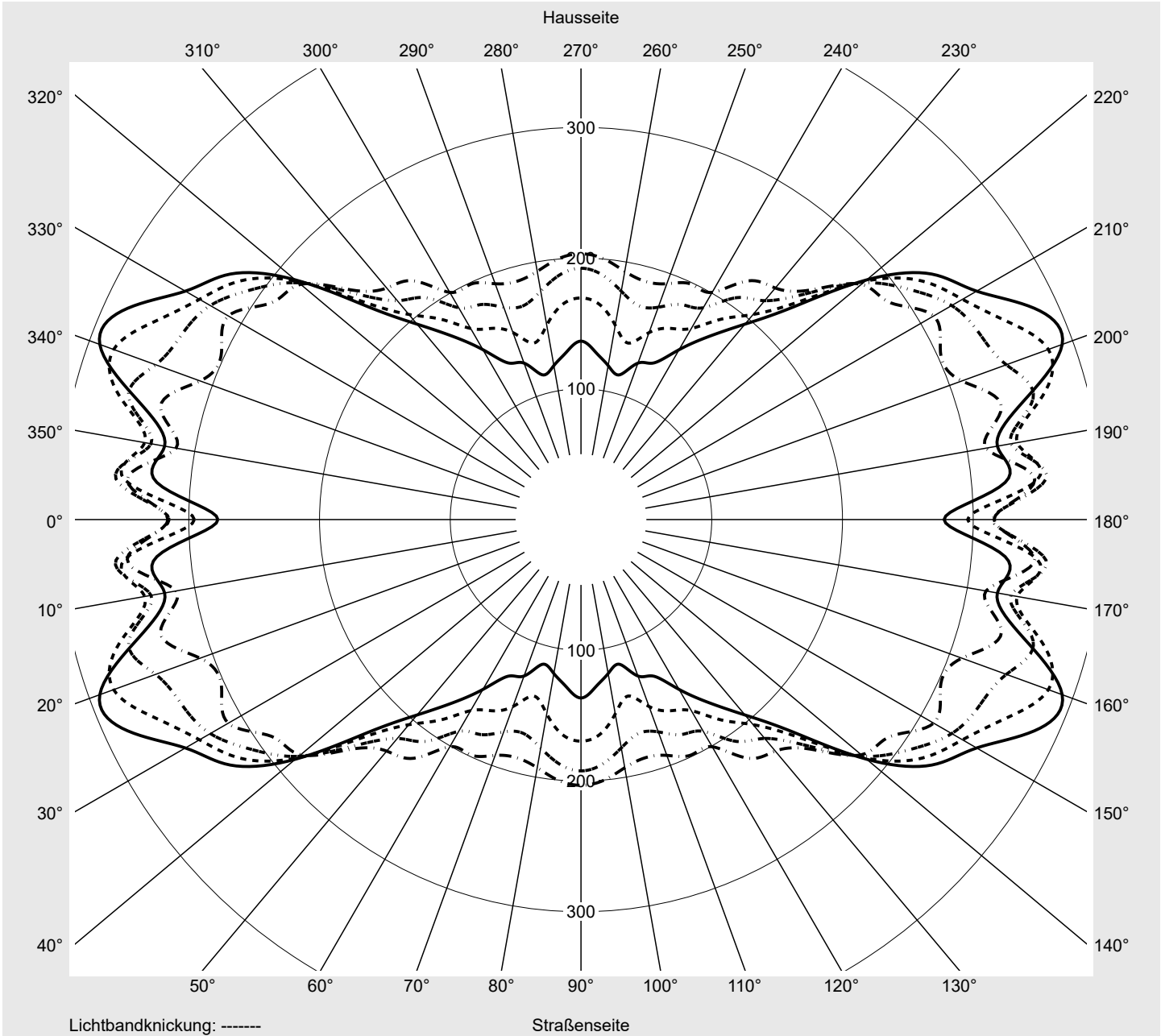
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> DL 11 iQ	<b>Bestell-Nr.:</b> 5XA5565CF10800022 <b>EAN:</b> 4058352955765	<b>LP-Nummer</b> 59374_101
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**Kegelmantelkurven in cd/klm**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**    **KMK 55°**    **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> DL 11 iQ	<b>Bestell-Nr.: 5XA5565CF108000022</b> <b>EAN: 4058352955765</b>	<b>LP-Nummer</b> 59374_101
<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°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2,5°	22.9	23.0	23.2	23.3	23.7	24.6	25.1	25.3	25.2	25.7	25.7
5,0°	35.6	36.2	36.9	36.6	36.3	34.7	33.9	34.1	34.8	35.5	35.5
7,5°	48.3	49.0	49.5	50.5	49.2	48.1	48.0	48.8	51.7	54.3	54.3
10,0°	66.5	66.9	67.0	68.8	64.8	66.0	68.2	70.7	71.3	72.9	72.9
12,5°	88.4	88.1	91.9	87.8	85.1	82.5	80.9	81.8	85.0	86.3	86.3
15,0°	113.5	107.0	98.9	100.9	107.3	114.3	124.6	125.3	115.7	109.5	109.5
17,5°	141.2	129.6	129.5	133.9	132.9	129.3	126.3	121.7	119.5	122.0	122.0
20,0°	145.5	137.7	144.7	139.3	134.5	135.3	126.6	117.4	117.1	118.2	118.2
22,5°	168.0	153.1	152.8	137.0	133.1	128.7	123.4	117.8	114.8	114.8	114.8
25,0°	169.9	155.6	165.6	149.2	147.1	137.4	122.4	116.5	115.6	116.3	116.3
27,5°	182.4	171.3	176.2	153.2	156.2	152.6	142.2	133.1	129.5	129.6	129.6
30,0°	198.1	195.0	201.7	170.4	163.9	150.8	140.3	135.4	137.4	138.7	138.7
32,5°	193.5	187.3	189.2	164.6	167.1	164.5	152.9	155.5	164.5	168.1	168.1
35,0°	244.5	244.0	233.3	209.9	189.5	173.0	164.3	163.1	167.2	176.8	176.8
37,5°	246.4	246.6	230.3	216.2	202.5	184.1	172.9	176.6	185.5	187.8	187.8
40,0°	250.1	260.3	240.9	222.5	206.3	190.5	191.4	195.1	198.7	204.7	204.7
42,5°	262.1	272.3	240.4	228.1	215.6	204.2	204.1	209.6	214.3	218.8	218.8
45,0°	276.2	290.7	253.0	237.8	224.3	214.5	214.1	225.2	230.0	229.0	229.0
47,5°	291.2	301.3	262.8	252.3	230.7	228.9	234.0	243.9	239.4	234.4	234.4
50,0°	304.5	319.7	284.8	273.0	243.8	249.0	255.4	256.4	248.6	238.5	238.5
52,5°	308.7	331.8	301.5	306.8	272.8	275.1	276.4	276.1	260.5	246.7	246.7
55,0°	315.9	348.4	314.5	333.0	310.0	303.4	311.5	289.1	279.9	248.4	248.4
57,5°	315.0	357.1	333.9	358.0	346.2	336.4	327.4	306.9	281.8	244.6	244.6
60,0°	295.8	350.4	338.8	365.6	380.4	359.1	336.9	318.2	283.7	235.6	235.6
62,5°	277.7	325.7	323.4	350.6	391.7	382.5	349.4	327.4	285.2	230.2	230.2
65,0°	242.1	282.0	311.6	354.9	387.6	389.5	359.1	319.7	277.8	226.3	226.3
67,5°	226.1	250.0	288.7	340.2	380.7	366.6	352.9	311.3	265.3	212.8	212.8
70,0°	230.4	255.8	286.0	330.1	349.4	336.0	325.4	280.4	236.5	197.4	197.4
72,5°	207.7	244.8	259.3	308.5	326.1	307.1	263.7	238.8	199.2	156.6	156.6
75,0°	145.9	192.5	220.7	265.0	265.2	253.9	198.0	173.3	130.6	110.7	110.7
77,5°	89.1	112.5	145.2	177.4	178.6	150.7	120.4	102.7	89.2	79.0	79.0
80,0°	53.1	65.3	84.2	92.8	94.8	81.7	78.7	79.3	64.1	48.7	48.7
82,5°	31.4	35.9	41.0	45.8	49.6	44.1	52.1	59.6	48.9	33.7	33.7
85,0°	16.6	17.3	18.3	19.8	22.3	24.4	33.3	36.7	30.3	22.8	22.8
87,5°	7.1	7.2	7.7	8.4	10.1	11.7	13.3	13.5	12.8	12.0	12.0
90,0°	5.8	5.8	5.9	6.1	6.7	7.3	7.1	6.6	6.3	6.1	6.1
92,5°	4.7	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
95,0°	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8
97,5°	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.3	3.3
100,0°	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0
102,5°	3.0	3.0	3.1	3.1	3.0	2.9	2.8	2.8	2.8	2.7	2.7
105,0°	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.6	2.6	2.5	2.5
107,5°	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4
110,0°	2.4	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2

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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	0.0	0.0
2,5°	26.5	26.9	26.4	26.0	26.4	26.6	26.1	26.0	25.9	0.3	0.3
5,0°	36.1	37.0	36.7	36.6	36.8	36.3	36.6	36.7	37.1	0.9	1.2
7,5°	57.0	58.1	57.6	56.0	54.9	52.1	51.0	51.0	50.4	1.9	3.1
10,0°	75.0	76.8	76.6	74.2	74.6	76.2	80.2	80.9	81.3	3.5	6.5
12,5°	89.5	95.6	97.4	96.7	96.5	95.8	94.6	97.2	96.5	5.4	11.9
15,0°	111.6	113.1	115.3	115.1	116.1	116.3	116.7	121.1	124.7	8.1	19.9
17,5°	120.7	121.2	117.9	120.7	128.0	136.7	142.2	145.0	148.4	10.6	30.6
20,0°	120.6	121.3	125.0	127.7	133.5	138.4	141.0	143.2	145.2	12.3	42.9
22,5°	118.2	123.5	127.5	130.6	135.1	142.5	147.5	149.3	149.2	14.0	56.9
25,0°	119.1	123.7	130.1	134.8	141.9	149.3	154.9	154.2	154.3	16.1	73.0
27,5°	132.9	135.6	140.9	144.9	147.3	151.1	153.9	156.4	157.3	18.8	91.8
30,0°	142.1	147.0	151.6	158.1	162.2	161.4	158.5	154.7	153.7	21.7	113.5
32,5°	167.5	171.7	172.7	176.4	169.2	162.0	163.3	164.5	165.5	24.9	138.4
35,0°	181.3	179.7	182.2	182.1	179.4	175.4	173.1	172.4	173.2	29.3	167.7
37,5°	193.6	193.0	196.8	197.1	193.0	181.9	177.8	179.7	182.4	32.7	200.4
40,0°	205.6	202.7	203.5	203.1	198.8	186.1	183.9	186.5	190.5	36.2	236.6
42,5°	217.0	212.0	210.8	210.3	200.7	187.6	188.1	192.4	194.0	39.7	276.3
45,0°	229.2	218.4	217.8	216.6	201.0	189.8	193.1	195.4	195.4	43.2	319.5
47,5°	234.3	226.7	224.5	222.1	202.0	192.7	196.0	197.8	196.6	46.8	366.3
50,0°	234.4	228.6	224.8	223.3	202.2	193.6	196.7	199.6	199.5	50.5	416.8
52,5°	236.3	230.1	218.7	215.7	200.7	195.2	197.2	201.6	202.4	54.4	471.1
55,0°	231.2	222.9	200.7	198.8	192.0	188.7	192.8	200.2	203.3	57.7	528.8
57,5°	218.6	207.2	187.1	181.5	172.8	169.5	177.4	187.8	192.2	59.7	588.5
60,0°	204.8	187.1	168.8	161.4	152.2	139.7	150.9	165.0	169.5	59.8	648.3
62,5°	195.2	171.1	150.0	132.2	127.4	114.6	119.6	128.5	136.5	58.2	706.5
65,0°	186.6	158.4	130.9	107.2	96.5	85.1	89.2	93.9	92.1	55.5	762.1
67,5°	178.8	145.5	112.6	88.6	71.4	55.9	58.4	59.3	58.1	51.8	813.9
70,0°	163.9	128.8	97.1	72.8	52.2	35.6	31.6	32.9	35.2	47.9	861.7
72,5°	130.0	104.4	83.9	59.5	35.4	22.9	19.2	18.6	19.3	42.0	903.7
75,0°	104.6	96.5	77.3	46.6	20.3	15.9	13.9	13.5	13.5	33.5	937.2
77,5°	78.3	73.6	61.7	25.9	13.1	11.6	10.9	10.6	10.3	22.2	959.4
80,0°	41.6	32.1	29.4	12.2	9.2	8.8	8.6	8.3	8.2	13.1	972.5
82,5°	23.7	17.5	12.5	7.9	7.0	6.9	6.7	6.6	6.6	7.8	980.3
85,0°	15.7	11.9	8.8	6.4	5.9	5.6	5.4	5.3	5.3	4.6	984.9
87,5°	9.7	7.4	6.3	5.5	5.2	4.9	4.6	4.4	4.4	2.3	987.2
90,0°	5.8	5.4	5.2	4.9	4.7	4.4	4.0	3.9	3.9	1.5	988.7
92,5°	4.6	4.5	4.6	4.5	4.3	4.0	3.8	3.6	3.5	1.2	989.9
95,0°	3.7	3.6	3.6	3.5	3.3	3.3	3.3	3.2	3.2	1.0	990.9
97,5°	3.3	3.2	3.1	3.0	3.0	3.0	2.9	2.8	2.8	0.9	991.8
100,0°	3.0	2.9	2.8	2.8	2.8	2.6	2.6	2.6	2.6	0.8	992.6
102,5°	2.6	2.6	2.6	2.6	2.5	2.4	2.4	2.4	2.4	0.7	993.4
105,0°	2.5	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	0.7	994.0
107,5°	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	0.6	994.6
110,0°	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	0.6	995.2

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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									
112,5°	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	
115,0°	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	
117,5°	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	
120,0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	
122,5°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	
125,0°	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7	
127,5°	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	
130,0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
132,5°	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3	
135,0°	1.3	1.4	1.3	1.4	1.3	1.3	1.3	1.4	1.4	1.3	
137,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	
140,0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
142,5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
145,0°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
147,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
157,5°	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	
162,5°	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	
167,5°	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	
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
177,5°	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	
112,5°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	0.5	995.7	
115,0°	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.8	0.5	996.2	
117,5°	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	0.5	996.7	
120,0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.4	997.1	
122,5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.5	0.4	997.6	
125,0°	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.5	0.4	997.9	
127,5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.3	998.3	
130,0°	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	0.3	998.6	
132,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.3	998.9	
135,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	0.3	999.1	
137,5°	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	0.2	999.3	
140,0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.2	999.5	
142,5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.2	999.7	
145,0°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1	999.9	
147,5°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1	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	
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
157,5°	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	
162,5°	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	
167,5°	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	
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
177,5°	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 11 iQ	<b>Bestell-Nr.: 5XA5565CF108000022</b> <b>EAN: 4058352955765</b>	<b>LP-Nummer</b> 59374_101
<b>Dimmstufen-Tabelle</b>		<b>sITeco</b>
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2850	23.9	25.5	24.7
95	241	252	2704	22.5	24.0	23.2
90	229	250	2569	21.2	22.6	21.9
85	216	248	2424	19.9	21.2	20.5
80	203	246	2278	18.6	19.8	19.2
75	190	243	2132	17.4	18.5	18.0
70	178	241	1997	16.2	17.2	16.7
65	165	238	1851	14.9	15.9	15.4
60	152	235	1706	13.8	14.6	14.2
55	140	232	1571	12.7	13.4	13.0
50	127	229	1425	11.5	12.2	11.8
45	114	225	1279	10.3	11.0	10.6
40	102	221	1144	9.4	9.9	9.6
35	89	216	999	8.2	8.7	8.4
30	76	210	853	7.2	7.6	7.4
25	63	203	707	6.2	6.5	6.4
20	51	195	572	5.3	5.5	5.4
15	38	184	426	4.2	4.4	4.3
15	37	183	415	4.1	4.3	4.2