

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 5XA5565CF14H000022**  
**EAN: 4058352955789**

**LP-Nummer**  
**59430\_76**



<b>Ausführung</b>	Mastaufsatz- oder Montage am Wandausleger
<b>Optik</b>	direkt, symmetrisch breit strahlend C120010
<b>Abdeckung</b>	Abdeckung klar, PMMA
<b>Bestückung</b>	LED 2200 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 3000 lm Systemleistung = 23.9 W Lichtausbeute = 125.5 lm/W

**Seriendokumentation**  
**01.02.2024**

siteco

**Lichtstärke in cd/klm**

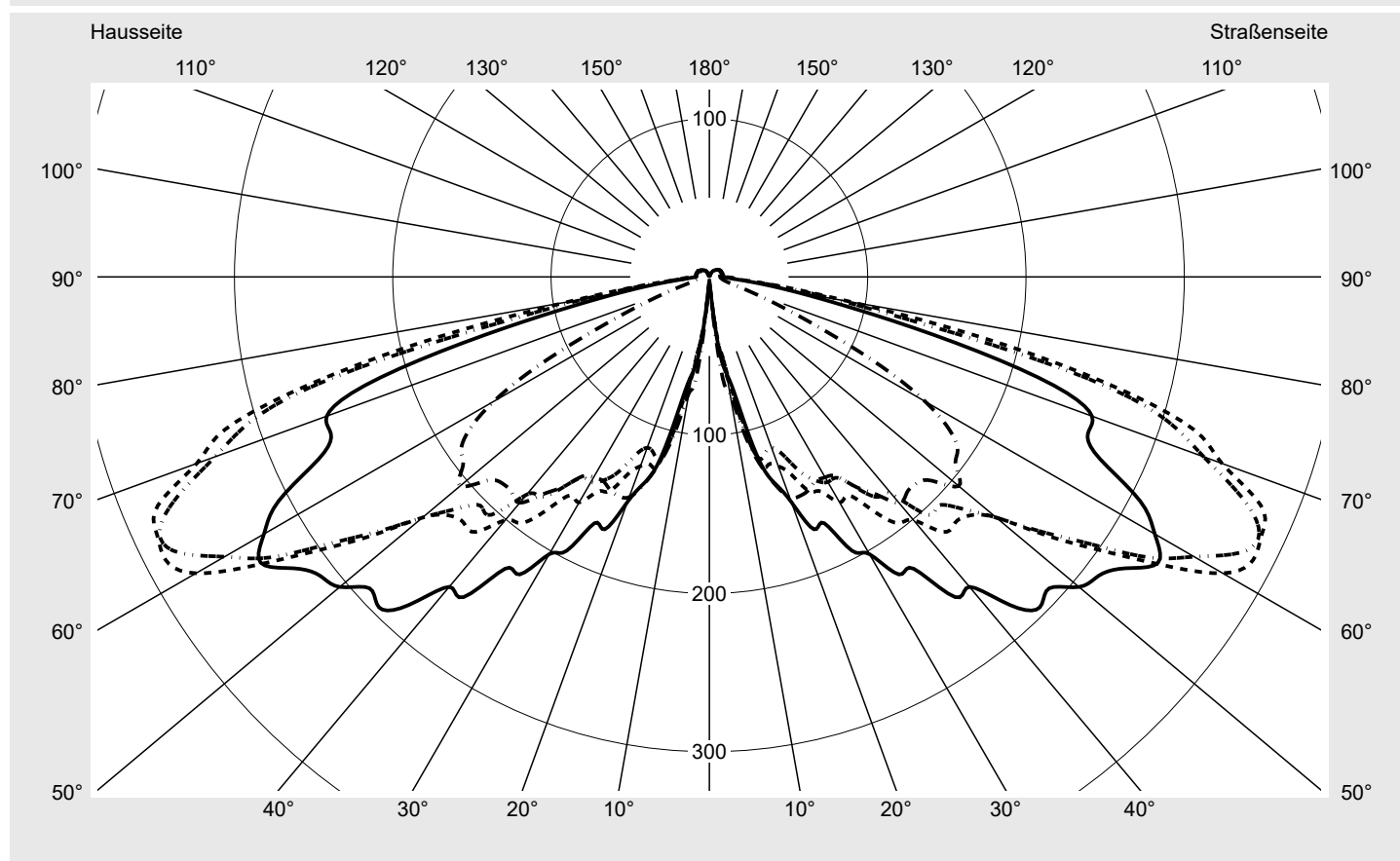
**C180-0**

**C200-20**

**C205-25**

**C270-90**

**Imax: 387 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	96.0%
Eta 90° - 180°	4.0%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G3
Imax 70°	344.6
Imax 80°	91.8
Imax 90°	9.3
Imax >90°	8.9
Imax >95°	8.8

**Messbedingungen**

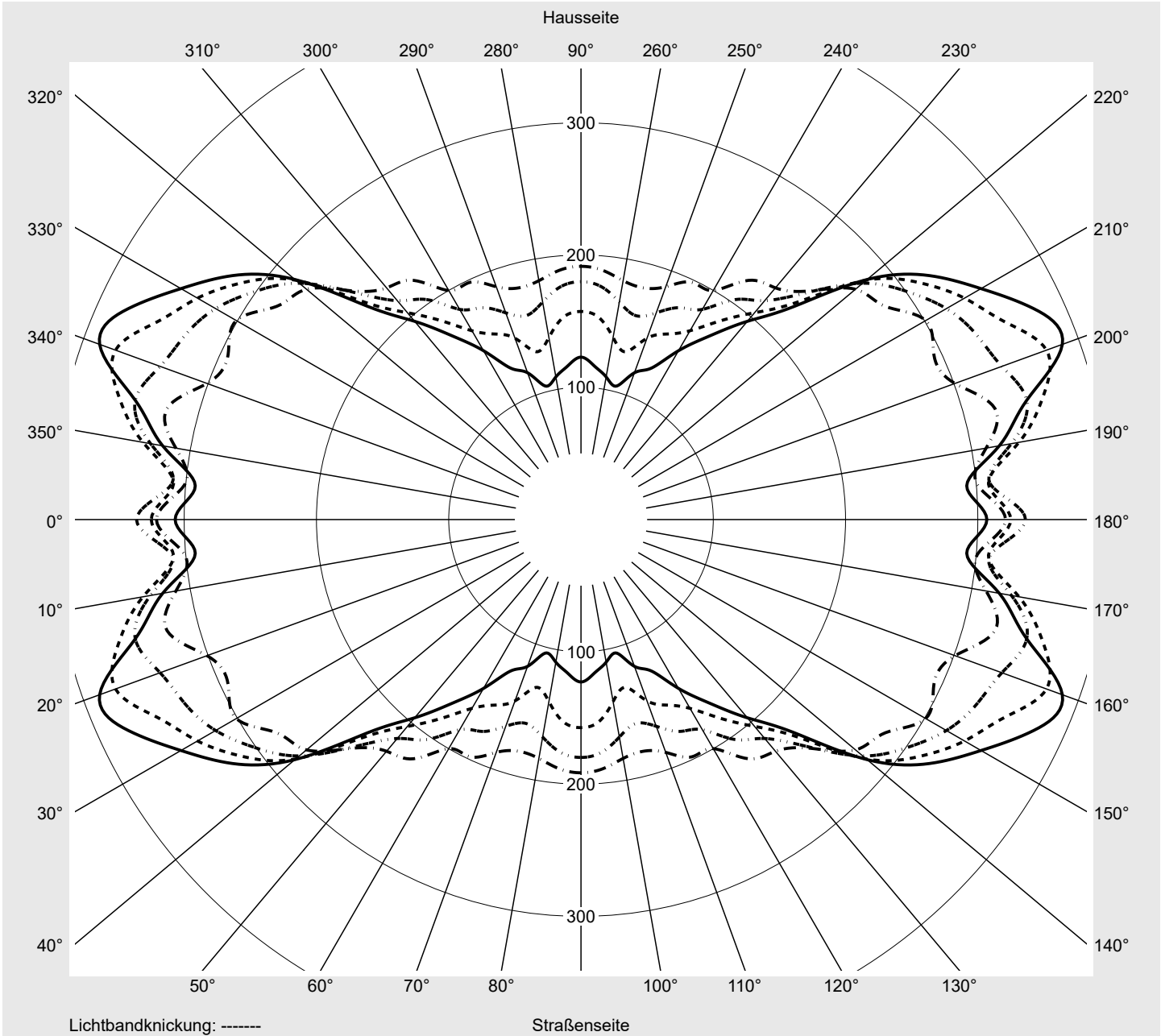
DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> DL 11 iQ	<b>Bestell-Nr.:</b> 5XA5565CF14H000022 <b>EAN:</b> 4058352955789	<b>LP-Nummer</b> 59430_76
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**Kegelmantelkurven in cd/klm**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**    **KMK 55°**



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### Wertetabelle Lichtstärkemessung Maximale Lichtstärke

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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2,5°	4.6	4.6	4.7	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.2
5,0°	10.5	10.4	10.6	11.0	12.4	14.1	15.7	17.0	17.9	18.1	18.1
7,5°	45.5	45.3	44.7	42.6	40.4	38.9	37.5	36.1	35.8	36.3	36.3
10,0°	61.9	62.7	64.4	66.2	64.1	57.5	52.3	50.2	52.5	57.2	57.2
12,5°	79.0	78.2	78.3	81.0	86.1	93.3	98.4	98.7	94.3	88.5	88.5
15,0°	117.9	111.3	111.1	117.0	121.4	118.0	109.8	108.9	112.7	114.3	114.3
17,5°	136.4	126.2	122.9	129.5	124.3	116.9	114.7	114.9	116.0	115.4	115.4
20,0°	151.3	138.4	135.3	134.8	127.2	114.9	111.9	108.3	107.8	108.3	108.3
22,5°	172.6	154.6	147.9	150.4	135.1	121.7	115.4	111.4	108.0	109.6	109.6
25,0°	171.7	154.5	155.7	162.0	149.5	136.0	126.3	118.4	116.6	116.6	116.6
27,5°	195.0	173.0	164.6	168.8	152.9	144.9	138.3	126.7	124.6	127.0	127.0
30,0°	202.3	181.6	184.3	182.7	164.5	149.7	141.1	138.4	140.5	140.2	140.2
32,5°	222.9	190.1	190.0	184.3	163.6	150.5	136.1	135.9	145.6	152.2	152.2
35,0°	225.1	202.5	208.0	196.8	180.4	163.1	156.9	156.7	161.6	169.1	169.1
37,5°	255.0	222.6	222.6	212.9	196.1	175.2	162.6	167.5	174.2	177.9	177.9
40,0°	255.6	224.3	229.5	218.4	200.6	179.5	177.3	182.7	189.1	196.6	196.6
42,5°	281.3	237.4	246.3	235.0	218.5	203.9	201.3	208.5	209.7	216.2	216.2
45,0°	295.2	255.8	260.1	241.7	219.6	204.4	205.8	219.0	225.3	228.7	228.7
47,5°	291.2	258.3	261.1	246.1	223.1	217.0	224.2	238.3	237.7	232.4	232.4
50,0°	304.8	275.2	282.5	265.7	236.6	236.6	247.7	248.5	241.6	236.7	236.7
52,5°	310.1	286.0	299.1	301.9	268.2	264.4	266.6	265.9	252.8	241.6	241.6
55,0°	321.0	300.9	311.0	324.1	300.9	294.4	300.9	281.0	270.9	244.5	244.5
57,5°	336.1	310.5	330.4	348.8	338.6	330.1	319.0	300.7	278.0	243.0	243.0
60,0°	324.9	309.2	336.3	361.9	374.5	353.6	334.8	312.3	281.5	233.0	233.0
62,5°	306.8	292.7	321.1	349.0	387.3	377.5	349.2	321.6	282.3	227.9	227.9
65,0°	272.3	257.2	308.3	353.8	385.0	383.2	356.5	315.4	274.3	223.9	223.9
67,5°	258.8	228.2	285.8	335.2	377.0	364.2	351.5	308.1	260.9	208.8	208.8
70,0°	257.2	232.3	277.0	328.7	344.6	332.3	319.5	277.2	231.4	192.9	192.9
72,5°	228.3	225.8	253.9	307.0	320.9	303.8	256.0	235.0	191.5	152.8	152.8
75,0°	161.2	177.4	218.7	262.4	260.0	246.5	194.6	168.1	127.3	107.7	107.7
77,5°	96.8	105.7	141.8	175.4	175.2	142.2	115.2	101.1	86.9	77.4	77.4
80,0°	57.2	62.3	80.8	91.8	90.5	79.4	77.9	77.1	61.0	45.8	45.8
82,5°	32.1	35.0	39.6	45.1	45.6	41.4	50.2	54.0	43.9	30.2	30.2
85,0°	16.6	17.3	17.6	18.8	18.3	21.1	30.7	34.1	27.1	16.5	16.5
87,5°	11.5	11.9	13.0	14.0	13.9	15.3	17.6	16.7	13.3	10.6	10.6
90,0°	8.5	8.7	9.2	9.3	9.2	9.2	9.1	9.0	8.7	8.5	8.5
92,5°	8.2	8.5	8.9	8.9	8.8	8.7	8.5	8.3	8.1	7.9	7.9
95,0°	8.2	8.5	8.8	8.8	8.8	8.5	8.4	8.2	8.0	7.8	7.8
97,5°	8.2	8.5	8.8	8.8	8.7	8.6	8.4	8.2	8.0	7.8	7.8
100,0°	8.2	8.4	8.8	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.8
102,5°	8.0	8.3	8.7	8.7	8.6	8.5	8.4	8.2	8.0	7.8	7.8
105,0°	8.0	8.3	8.6	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.8
107,5°	7.8	8.2	8.5	8.6	8.5	8.4	8.3	8.1	7.9	7.7	7.7
110,0°	7.8	8.1	8.4	8.5	8.5	8.3	8.2	8.0	7.9	7.7	7.7

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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° 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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	0.0
2,5°	5.3	5.4	5.7	5.8	5.7	5.7	5.7	5.7	5.7	0.1	0.1
5,0°	18.3	18.2	18.6	18.8	18.6	18.4	18.3	18.3	17.9	0.4	0.5
7,5°	37.8	40.9	44.2	49.4	53.8	57.8	61.2	63.5	64.6	1.6	2.1
10,0°	61.9	64.4	67.2	69.4	72.1	73.8	73.7	74.0	74.6	3.0	5.1
12,5°	82.6	81.1	83.7	89.0	92.7	97.0	98.3	99.8	100.6	5.3	10.4
15,0°	114.3	111.9	107.1	108.3	110.9	115.2	118.5	120.8	121.8	8.1	18.5
17,5°	116.3	116.4	118.8	121.8	125.7	129.7	133.0	135.7	137.3	10.1	28.7
20,0°	109.9	113.9	116.0	121.0	127.8	136.4	142.3	145.7	148.1	11.7	40.4
22,5°	113.2	116.5	120.0	122.3	128.0	135.4	144.2	147.8	149.8	13.7	54.0
25,0°	118.9	122.9	128.7	132.2	137.2	143.0	147.2	148.2	148.5	15.9	70.0
27,5°	131.0	133.2	140.0	143.1	146.0	147.2	147.4	145.7	145.4	18.5	88.4
30,0°	143.7	147.5	150.9	154.1	153.0	150.9	148.7	146.9	146.2	21.3	109.7
32,5°	154.1	157.8	160.8	163.8	160.8	154.2	152.1	150.1	149.4	23.6	133.3
35,0°	171.8	171.8	174.2	173.5	167.9	163.0	161.0	161.5	162.3	27.4	160.7
37,5°	184.6	184.6	186.0	186.6	185.6	176.6	172.8	172.0	173.2	31.3	192.0
40,0°	197.4	199.8	203.8	201.3	194.9	179.0	176.1	180.4	186.3	34.8	226.7
42,5°	213.7	211.3	208.9	207.7	196.5	182.0	182.5	184.3	184.7	39.1	265.8
45,0°	229.1	220.7	221.0	217.1	201.2	184.6	185.1	185.6	184.7	42.5	308.3
47,5°	234.1	230.4	230.2	223.4	200.6	189.0	192.8	191.3	190.6	45.7	354.0
50,0°	234.7	230.2	225.8	222.6	201.2	192.0	195.4	199.8	205.6	49.3	403.3
52,5°	234.3	228.2	216.1	213.1	198.0	194.8	197.3	196.9	196.2	52.9	456.2
55,0°	228.7	220.8	200.0	198.0	187.3	181.4	183.4	189.1	191.5	55.8	512.0
57,5°	216.1	203.0	183.5	176.7	166.3	159.7	167.0	176.7	179.9	57.9	569.9
60,0°	204.2	183.3	164.8	154.8	145.9	131.4	139.8	153.5	157.3	58.2	628.2
62,5°	195.7	169.5	147.4	126.4	118.1	104.5	109.5	116.5	122.8	56.9	685.0
65,0°	185.8	157.6	127.3	100.9	88.7	74.9	78.8	82.3	80.9	54.3	739.3
67,5°	174.7	142.9	107.9	80.6	64.2	47.6	49.5	50.7	50.0	50.5	789.8
70,0°	160.7	126.8	92.1	66.7	46.8	29.0	25.6	27.0	28.8	46.6	836.4
72,5°	127.7	101.2	78.5	53.7	31.1	19.0	15.4	14.7	15.3	40.8	877.2
75,0°	102.2	89.7	72.2	41.5	17.5	13.3	11.5	11.0	10.9	32.5	909.7
77,5°	75.3	68.7	59.1	25.8	12.6	10.8	9.7	9.1	9.0	21.5	931.2
80,0°	35.4	27.8	26.3	13.3	9.9	9.1	8.6	8.4	8.3	12.6	943.7
82,5°	18.8	14.5	11.2	9.4	8.5	8.0	7.8	7.7	7.6	7.4	951.2
85,0°	13.3	11.7	9.8	8.2	7.5	7.3	7.3	7.3	7.2	4.3	955.5
87,5°	10.5	10.7	8.9	7.6	7.2	7.1	7.0	6.9	6.9	3.1	958.6
90,0°	8.3	8.3	7.7	7.2	7.0	6.9	6.9	6.8	6.8	2.3	960.8
92,5°	7.7	7.4	7.2	7.1	7.0	6.9	6.8	6.7	6.8	2.1	963.0
95,0°	7.6	7.4	7.2	7.0	6.9	6.8	6.8	6.8	6.8	2.1	965.1
97,5°	7.6	7.4	7.2	7.0	6.9	6.8	6.7	6.7	6.7	2.1	967.2
100,0°	7.6	7.4	7.2	7.0	6.9	6.9	6.8	6.8	6.7	2.1	969.3
102,5°	7.6	7.4	7.2	7.1	6.9	6.9	6.8	6.8	6.8	2.1	971.3
105,0°	7.6	7.4	7.2	7.1	6.9	6.9	6.8	6.8	6.8	2.0	973.4
107,5°	7.6	7.4	7.2	7.1	6.9	6.9	6.8	6.8	6.8	2.0	975.4
110,0°	7.5	7.4	7.2	7.0	6.9	6.9	6.8	6.8	6.8	2.0	977.4

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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°	7.8	8.0	8.4	8.4	8.3	8.3	8.2	8.0	7.8	7.6	
115,0°	7.7	8.0	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.6	
117,5°	7.7	7.9	8.2	8.2	8.2	8.1	8.0	7.8	7.7	7.6	
120,0°	7.6	7.8	8.0	8.1	8.1	8.0	7.9	7.8	7.6	7.5	
122,5°	7.4	7.7	7.9	8.0	7.9	7.8	7.8	7.6	7.5	7.4	
125,0°	7.3	7.5	7.7	7.8	7.7	7.7	7.6	7.5	7.3	7.2	
127,5°	7.1	7.3	7.4	7.5	7.5	7.5	7.4	7.3	7.2	7.0	
130,0°	6.8	7.0	7.1	7.2	7.2	7.1	7.1	7.0	6.9	6.8	
132,5°	6.5	6.6	6.7	6.9	6.8	6.8	6.8	6.7	6.6	6.6	
135,0°	6.1	6.3	6.4	6.4	6.4	6.5	6.4	6.4	6.3	6.2	
137,5°	5.8	5.9	6.0	6.0	6.1	6.1	6.1	6.0	6.0	5.9	
140,0°	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.7	5.7	5.6	
142,5°	5.2	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.4	5.4	
145,0°	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
147,5°	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	
150,0°	4.1	4.2	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.2	
152,5°	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.6	3.6	3.6	
155,0°	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.8	
157,5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
160,0°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	
162,5°	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5	
165,0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
167,5°	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	
170,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
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°			
$\gamma$	Lichtstärke in cd/klm										Lichtstrom in lm/klm
112,5°	7.5	7.3	7.2	7.0	6.9	6.8	6.8	6.8	6.8	1.9	979.3
115,0°	7.5	7.3	7.2	7.0	6.9	6.9	6.8	6.8	6.8	1.9	981.2
117,5°	7.4	7.3	7.1	7.0	6.9	6.8	6.8	6.8	6.8	1.8	983.0
120,0°	7.3	7.2	7.1	6.9	6.9	6.8	6.8	6.8	6.8	1.8	984.8
122,5°	7.2	7.1	6.9	6.9	6.8	6.7	6.7	6.6	6.6	1.7	986.4
125,0°	7.1	7.0	6.8	6.7	6.7	6.6	6.6	6.6	6.6	1.6	988.1
127,5°	6.9	6.8	6.7	6.6	6.5	6.6	6.4	6.4	6.4	1.5	989.6
130,0°	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.3	6.3	1.4	991.0
132,5°	6.4	6.4	6.3	6.2	6.1	6.1	6.1	6.1	6.1	1.3	992.3
135,0°	6.2	6.0	6.0	5.9	5.9	5.9	5.9	5.8	5.8	1.2	993.5
137,5°	5.9	5.8	5.7	5.7	5.7	5.7	5.6	5.6	5.6	1.1	994.6
140,0°	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4	1.0	995.6
142,5°	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.1	0.9	996.4
145,0°	5.1	5.0	5.0	5.0	4.9	4.9	5.0	5.0	5.0	0.8	997.2
147,5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	0.7	997.9
150,0°	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.1	0.6	998.5
152,5°	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	0.4	999.0
155,0°	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	0.3	999.3
157,5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.2	999.5
160,0°	1.7	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.5	0.2	999.6
162,5°	1.5	1.5	1.4	1.5	1.5	1.5	1.4	1.4	1.4	0.1	999.8
165,0°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.1	999.9
167,5°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.3	0.1	999.9
170,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.1	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.: 5XA5565CF14H000022</b> <b>EAN: 4058352955789</b>	<b>LP-Nummer</b> 59430_76
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	3000	23.9	25.5	24.7
95	241	252	2846	22.5	24.0	23.2
90	229	250	2705	21.2	22.6	21.9
85	216	248	2551	19.9	21.2	20.5
80	203	246	2398	18.6	19.8	19.2
75	190	243	2244	17.4	18.5	18.0
70	178	241	2102	16.2	17.2	16.7
65	165	238	1949	14.9	15.9	15.4
60	152	235	1795	13.8	14.6	14.2
55	140	232	1654	12.7	13.4	13.0
50	127	229	1500	11.5	12.2	11.8
45	114	225	1346	10.3	11.0	10.6
40	102	221	1205	9.4	9.9	9.6
35	89	216	1051	8.2	8.7	8.4
30	76	210	898	7.2	7.6	7.4
25	63	203	744	6.2	6.5	6.4
20	51	195	602	5.3	5.5	5.4
15	38	184	449	4.2	4.4	4.3
15	37	183	437	4.1	4.3	4.2