

## Lichttechnischer Prüfbefund

**Familie**  
**CITY-LIGHT ELEGANCE LED**

**Bestell-Nr.: 5XA5265RF14H**  
**EAN: 4058352835074**

**LP-Nummer**  
**57135\_31**



<b>Ausführung</b>	Mastaufsatz- oder Montage am Wandausleger
<b>Optik</b>	symmetrisch, breit strahlend (PL1.2s)
<b>Abdeckung</b>	Abdeckung klar, PMMA
<b>Bestückung</b>	LED 4000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 2840 lm Systemleistung = 18.5 W Lichtausbeute = 153.5 lm/W

**Seriendokumentation**  
**24.02.2023**

**siteco**

**Lichtstärke in cd/klm**

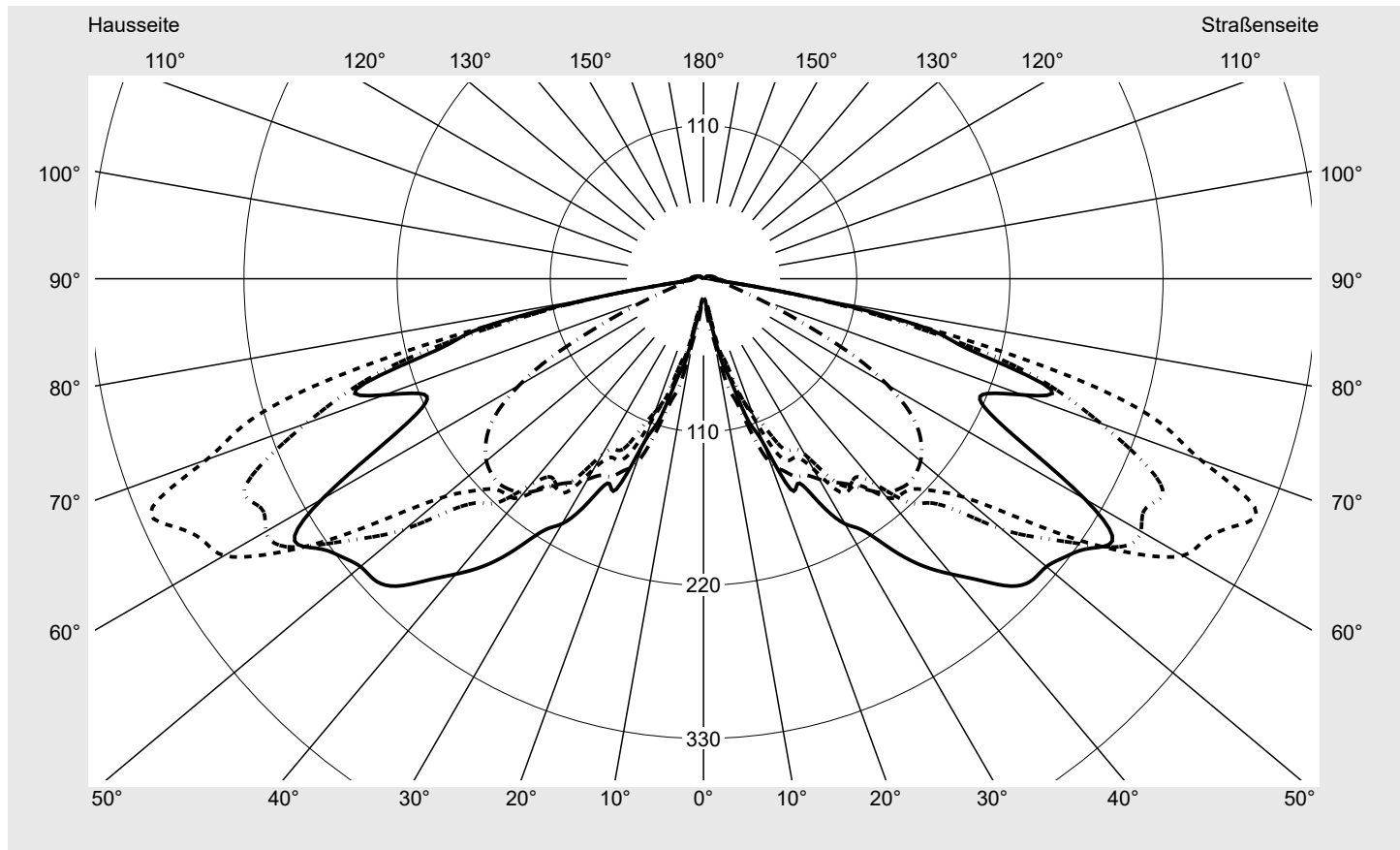
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 428 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	97.9%
Eta 90° - 180°	2.1%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G3
Imax 70°	379.7
Imax 80°	94.5
Imax 90°	9.7
Imax >90°	6.4
Imax >95°	6.4

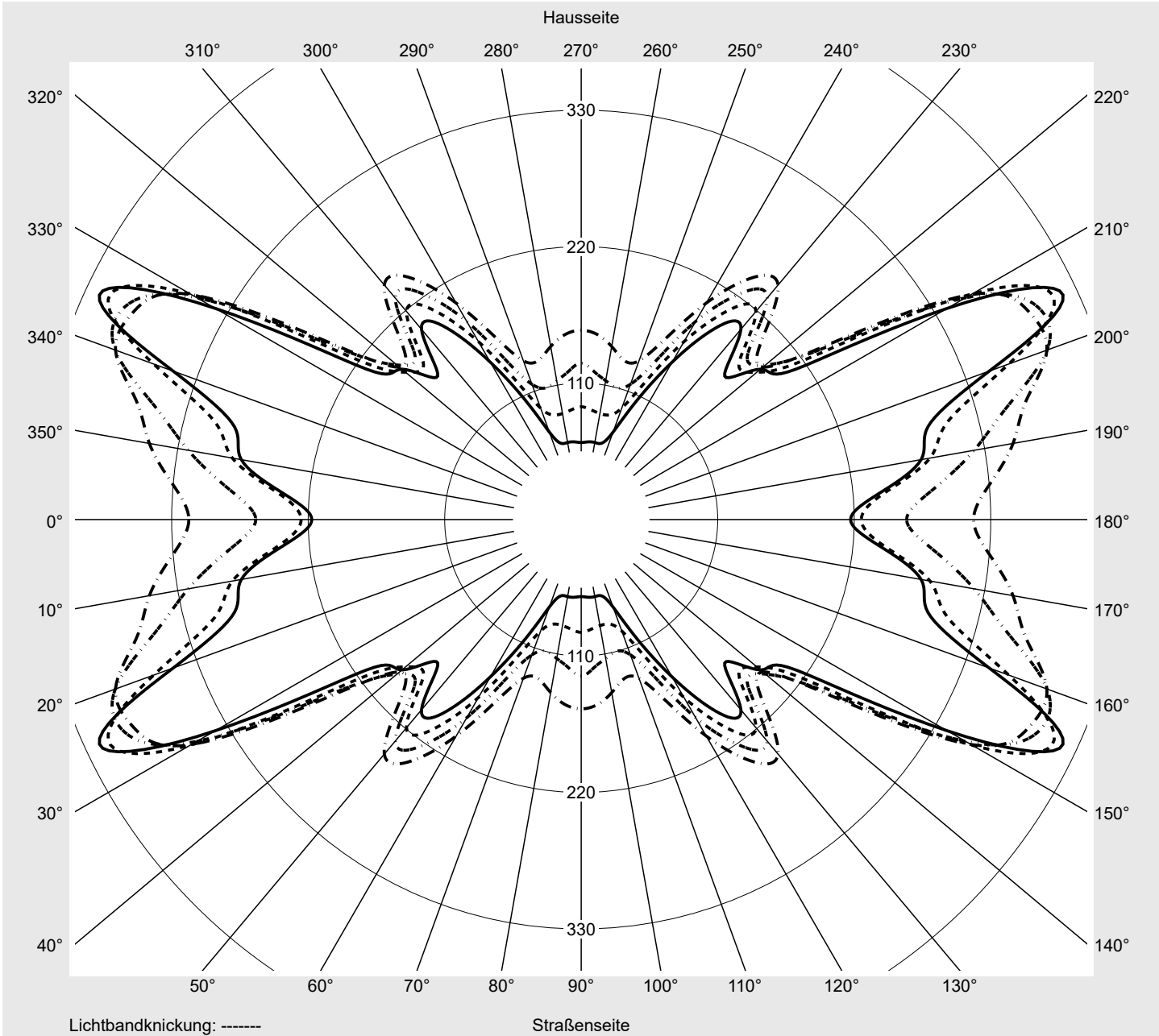
**Messbedingungen**

DIN EN 13032 und DIN 5032

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**Kegelmantelkurven in cd/klm**    **KMK 67,5°**    **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **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°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
2,5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.6	15.6
5,0°	16.8	16.5	16.9	17.0	17.1	17.4	17.4	17.8	18.4	18.9
7,5°	28.2	27.5	26.3	24.4	21.9	20.0	18.7	18.4	19.9	22.1
10,0°	36.3	35.6	36.9	37.7	35.4	30.6	26.9	26.7	31.7	37.3
12,5°	61.7	59.2	58.1	52.3	52.7	51.5	52.5	51.3	52.7	51.2
15,0°	75.7	73.2	70.9	74.3	77.4	71.4	62.2	62.1	67.3	79.1
17,5°	106.8	105.8	105.4	97.0	94.1	89.4	87.4	86.9	78.4	87.8
20,0°	125.5	140.1	139.8	123.0	119.4	107.6	101.9	99.4	89.0	100.5
22,5°	163.6	164.4	163.1	147.0	146.9	133.3	115.5	110.0	88.1	102.0
25,0°	161.8	160.2	158.7	150.3	152.9	144.0	134.1	129.8	91.6	108.3
27,5°	182.9	189.1	182.6	163.8	157.8	144.5	138.1	135.0	95.6	125.6
30,0°	203.1	214.3	209.5	186.2	172.9	157.6	145.8	137.7	100.7	144.3
32,5°	214.7	220.2	213.4	199.2	188.6	181.1	169.4	157.4	115.3	168.7
35,0°	238.6	238.0	228.4	203.2	190.2	183.9	181.7	174.1	131.5	184.5
37,5°	260.3	265.9	250.3	221.7	202.6	187.9	179.6	179.1	138.1	202.2
40,0°	276.8	272.2	258.5	232.8	221.4	205.1	192.9	185.6	143.0	223.0
42,5°	293.6	293.8	271.3	246.5	225.5	210.0	217.6	195.0	147.7	236.3
45,0°	312.1	314.5	297.9	267.5	237.7	213.5	227.5	201.8	158.0	237.7
47,5°	320.2	332.7	326.0	298.8	253.2	225.6	245.9	209.8	167.1	247.2
50,0°	321.5	338.5	352.5	319.6	271.7	243.8	279.7	228.6	173.4	246.9
52,5°	327.8	339.9	353.2	334.8	294.4	278.5	305.6	243.1	177.6	240.4
55,0°	337.6	347.7	350.6	355.3	329.7	325.6	332.1	252.4	184.8	232.8
57,5°	348.4	357.6	355.2	367.6	370.7	367.2	357.5	251.1	191.0	222.1
60,0°	316.1	330.7	353.3	371.3	399.3	397.5	362.7	250.4	191.2	206.5
62,5°	262.2	285.3	321.5	356.4	399.5	405.8	357.6	244.1	193.9	190.1
65,0°	225.7	245.1	285.4	305.9	366.7	420.5	364.0	231.5	184.8	180.2
67,5°	217.1	240.8	278.1	289.3	349.9	428.3	340.4	211.6	188.6	163.6
70,0°	243.7	265.3	282.9	297.3	326.2	379.7	303.6	186.7	161.4	140.2
72,5°	260.3	265.5	264.5	282.6	318.2	344.1	266.2	166.0	134.1	101.2
75,0°	198.8	207.5	225.2	239.9	276.3	275.7	217.6	125.3	81.1	62.2
77,5°	163.8	152.8	151.8	165.7	177.5	167.3	145.7	73.2	39.9	49.2
80,0°	80.6	74.5	83.1	94.5	85.3	76.3	78.6	37.9	32.5	35.2
82,5°	13.8	13.9	15.2	15.5	15.3	15.5	16.0	14.4	13.0	12.1
85,0°	12.3	12.1	13.0	13.2	12.9	12.5	12.0	11.5	9.8	8.3
87,5°	10.7	10.9	11.3	11.3	11.1	10.7	10.3	9.7	8.3	7.0
90,0°	9.5	9.3	9.6	9.7	9.3	9.0	8.8	8.2	7.1	6.1
105,0°	6.4	6.4	6.4	6.3	6.0	5.9	5.6	5.4	5.2	4.9
120,0°	3.7	3.7	3.7	3.7	3.3	3.3	3.2	3.1	3.1	3.1
135,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
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°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
$\gamma$	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	0.0	0.0
2,5°	15.7	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	0.2	0.2
5,0°	19.5	20.3	20.8	21.1	21.3	21.4	21.4	21.5	21.5	0.5	0.7
7,5°	25.1	28.3	30.4	31.7	33.4	34.7	35.6	35.8	35.9	1.0	1.6
10,0°	42.9	45.6	47.1	47.8	47.8	47.9	47.3	47.9	47.3	1.9	3.5
12,5°	52.3	53.9	58.7	66.9	72.5	74.5	75.0	77.0	77.4	3.6	7.1
15,0°	84.6	81.2	84.9	86.3	89.3	90.8	90.8	91.1	91.8	5.6	12.7
17,5°	90.5	84.9	95.3	103.4	109.8	116.4	119.2	119.3	118.4	8.2	20.9
20,0°	104.3	103.3	114.3	115.5	116.8	127.0	135.0	138.7	141.2	11.0	31.8
22,5°	107.2	109.0	124.1	129.7	130.0	139.8	147.7	148.3	148.9	13.8	45.6
25,0°	110.0	115.1	135.0	140.5	140.6	147.3	154.3	155.0	156.7	16.0	61.6
27,5°	122.3	122.0	144.2	156.1	156.7	159.4	159.8	157.6	159.0	18.9	80.5
30,0°	145.0	138.2	154.7	166.3	167.4	166.8	167.1	165.7	166.1	22.3	102.7
32,5°	169.8	156.9	167.3	180.4	179.2	174.8	173.8	172.4	173.2	26.0	128.8
35,0°	191.1	187.7	188.5	191.3	190.5	183.4	180.4	179.0	179.9	29.8	158.6
37,5°	203.3	208.9	208.9	202.1	199.0	191.1	189.5	188.8	190.2	33.8	192.4
40,0°	220.4	221.2	225.3	212.4	205.5	198.5	199.0	198.6	200.5	37.7	230.1
42,5°	241.9	230.5	236.2	224.4	208.2	202.9	203.9	204.0	205.5	41.6	271.8
45,0°	256.2	243.7	240.9	230.7	209.4	205.6	206.9	206.5	207.8	45.4	317.2
47,5°	263.3	252.7	242.6	229.0	206.1	205.1	206.3	205.9	206.8	49.2	366.4
50,0°	267.7	255.0	239.4	221.3	200.3	200.2	202.5	202.1	203.5	52.6	418.9
52,5°	268.8	257.8	235.8	208.7	187.0	190.4	194.5	196.0	197.3	55.2	474.1
55,0°	266.1	258.4	228.4	194.2	171.8	175.9	181.8	185.6	188.1	57.8	532.0
57,5°	259.3	251.9	218.8	177.2	153.9	157.1	165.2	170.5	173.7	59.8	591.8
60,0°	246.8	237.3	201.5	161.0	136.2	132.9	141.6	149.7	152.6	59.4	651.2
62,5°	233.1	221.9	184.4	140.0	116.1	109.9	113.7	119.7	126.2	56.6	707.7
65,0°	219.0	205.4	165.6	122.5	95.6	87.3	86.8	88.9	90.9	52.6	760.4
67,5°	200.2	188.3	146.5	105.6	75.0	63.7	63.1	62.9	62.1	49.7	810.1
70,0°	178.4	166.9	124.7	89.7	61.6	44.6	41.9	40.9	41.7	46.3	856.4
72,5°	144.3	137.1	105.6	72.3	50.0	33.7	28.8	27.0	27.9	41.9	898.3
75,0°	115.8	118.7	89.4	54.8	35.7	26.8	22.6	20.3	20.6	33.9	932.2
77,5°	93.9	97.4	73.4	39.3	23.3	20.3	18.4	16.5	16.5	23.7	955.9
80,0°	39.9	44.4	32.8	22.2	17.3	16.1	14.9	13.8	13.5	12.7	968.6
82,5°	12.3	14.4	14.7	14.2	13.6	12.8	11.6	10.6	10.3	3.7	972.4
85,0°	8.1	10.2	10.6	10.4	10.4	10.4	9.9	8.9	8.8	3.0	975.3
87,5°	7.0	8.6	8.9	8.8	8.7	8.7	8.5	7.7	7.5	2.5	977.9
90,0°	5.8	7.2	7.4	7.5	7.5	7.5	7.3	6.9	6.7	7.6	985.4
105,0°	4.7	4.7	5.1	5.2	5.3	5.4	5.4	5.3	5.2	8.7	994.1
120,0°	3.0	3.0	3.0	3.0	3.0	3.2	3.2	2.8	2.1	4.5	998.7
135,0°	1.3	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.3	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>		<b>Umgebungstemperatur: 25°C</b>
<b>siteco</b>		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2840	18.5	19.7	19.1
95	241	252	2695	17.5	18.6	18.0
90	229	250	2560	16.6	17.6	17.1
85	216	248	2415	15.6	16.6	16.1
80	203	246	2270	14.7	15.6	15.2
75	190	243	2124	13.7	14.6	14.2
70	178	241	1990	12.8	13.6	13.2
65	165	238	1845	11.9	12.6	12.2
60	152	235	1700	11.0	11.6	11.3
55	140	232	1565	10.1	10.8	10.4
50	127	229	1420	9.3	9.8	9.6
45	114	225	1275	8.4	8.9	8.6
40	102	221	1140	7.7	8.1	7.9
35	89	216	995	6.8	7.2	7.0
30	76	210	850	6.0	6.3	6.2
25	63	203	704	5.2	5.5	5.4
20	51	195	570	4.5	4.7	4.6
18	46	191	514	4.1	4.3	4.2